



Price list 2015

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Diagnostic and Imaging Equipment

As one of the pioneers in the field of X-ray and cone beam CT, Morita – a Japanese company with a long family tradition – can guarantee brilliant image quality at up to 80 µm while at the same time keeping patient radiation exposure low. Thus we offer a whole range of systems which cover all possible medical indications: the combination systems for panoramic, cephalometric and 3D imaging Veraviewepocs 3D F40 and Veraviewepocs 3D R100, along with the CBCT system 3D Accuitomo 170. Studies have not only shown that the 3D Accuitomo 170 provides the very best image quality; they have also proven the high measuring precision of the software. But in addition to the digital devices the Morita product portfolio also includes 2D and intraoral X-ray systems.



Diagnostic and Imaging Equipment

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X-ray units: accessories

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Cone Beam CT Systems

3D Accuitomo 170



Designed to meet the needs of dentomaxillofacial diagnostics, the 3D Accuitomo 170 is the imaging system of preference for many dental, radiography, and ear-nose-and-throat surgeries. It provides detailed insight into all areas of the head – including the most delicate bone structures of the inner ear, the teeth, and the anatomy of the paranasal sinuses. Users of the 3D Accuitomo 170 profit from a wide range of alternative imaging possibilities and accurate images. At the same time, the device makes possible an especially accurate diagnosis with minimal radiation exposure for the patient.

Cone Beam CT Systems

3D Accuitomo 170

Advantages at a glance

- **High-resolution flat panel detector**
The digital flat panel detector provides highly accurate images of the different structures of head and throat. Its highly developed technology allows a resolution of more than MTF 2 lp/mm at 10% while at the same time significantly reducing the dosage.
- **Precise positioning**
The use of laser beam, or the “scout view” function, allows a simple and accurate positioning. The sitting position of the patient prevents motion artifacts. But if the patient moves and artifacts do occur, these can be calculated out afterwards, using software, with a reconstruction angle of 180°.
- **2D imaging (option for Ear-Nose-and-Throat)**
The 2D imaging function is suitable for the investigation of paranasal sinuses, and for lateral and posterior-to-anterior X-ray imaging.
- **Four imaging modes (360° and 180°)**
 - **Standard Mode (Std):**
Partial and synoptic imaging
 - **High-Resolution Mode (Hi-Res):**
imaging of extremely delicate bone structures
 - **Precision / High Fidelity Mode (Hi-Fi):**
for especially high image-data density
 - **High-Speed Mode (Hi-Speed):**
with minimal occurrence of motion artifacts
e.g. for young children



The sitting position of the patient prevents motion artifacts.

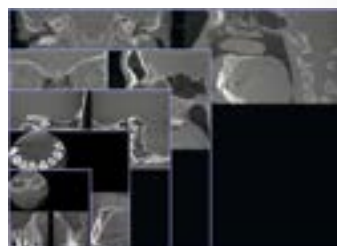


The imaging area is cylindrical and can be positioned easily.

Cone Beam CT Systems

3D Accuitomo 170

- **Nine different fields of view**
 - Ø 40 x 40 mm
 - Ø 60 x 60 mm
 - Ø 80 x 80 mm
 - Ø 100 x 50 mm
 - Ø 100 x 100 mm
 - Ø 140 x 50 mm
 - Ø 140 x 100 mm
 - Ø 170 x 50 mm
 - Ø 170 x 120 mm
- **3D Zoombox**
- **Super high resolution, 80 µm voxel for Ø 40 x 40 mm**
- **Zoom reconstruction**
- **Elimination of motion artifacts by calculation**
- **Dicom Modality Worklist (optional)**
- **Display DAP, DLP and CTDI**
- **Integration into existing networks via the i-Dixel software (see p. 18)**



Selectable fields of view

Configuration

- High-end image-capture PC
- High-end server PC
- Diagnostic monitor
- i-Dixel Software
- 5 client licenses
- Test phantoms for 3D QA tests

3-year warranty

3D Accuitomo – Cone Beam CT System

1620	3D Accuitomo 170	price on request
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2D / 3D Imaging

Veraviewepocs 3D R100 / 3D F40



The 2D / 3D imaging systems Veraviewepocs 3D R100 and 3D F40, which combine panoramic, cephalometric and 3D imaging, can be applied to an extremely wide range of different purposes: from the assessment, for endodontic treatment, of internal and external resorptions and the localization of debris in the root canal; through pre-implant diagnosis and the exact determination of the bone supply; right through to the execution of actual implantologic interventions – also as a part of Guided Surgery.

The two Veraviewepocs devices differ from one another in terms of their respective ranges of fields of view. One thing, however, is common to both systems: they both facilitate easy operation and the capture of images with significantly reduced radiation doses for the patient.

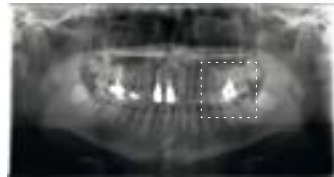
2D / 3D Imaging

Veraviewepocs 3D R100 P / 3D R100 CP

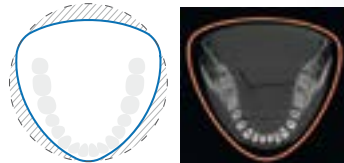
Veraviewepocs 3D R100 has revolutionized 3D diagnosis. The groundbreaking and patent pending exposure function provides the unique „Reuleaux“ shape for full arch imaging. In this way, the system creates a unique field of view which only focuses on what is relevant. With six field of view options and Morita's world renowned image quality, the X-ray system will ensure success for every treatment.

Advantages at a glance

- **Multiple functions in a single device:**
panoramic images and 3D images,
plus optional cephalostat
- **Panoramic image with scout feature**
Before taking a 3D image, a high resolution panoramic exposure could be taken to target the region of interest on the PC monitor. The C-arm will automatically move into the optimum patient position to get 3D images at the center of the region of interest.
- **DDAE (Digital Direct Auto Exposure) for panoramic image**
- **Minimal radiation exposure**
 - Unique Reuleaux full arch field of view
Unique 3D Reuleaux Full Arch FOV abandons the typical cylinder with a new convex triangle shape. By more closely matching the natural dental arch form, this groundbreaking FOV reduces dose by excluding areas outside the region of interest and allows a complete scan of the maxilla and/or the mandible.



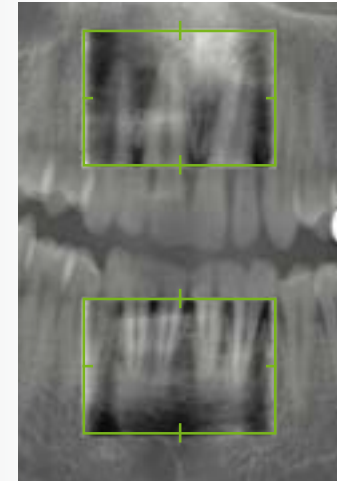
Double-click on the cross to display the associated 3D image



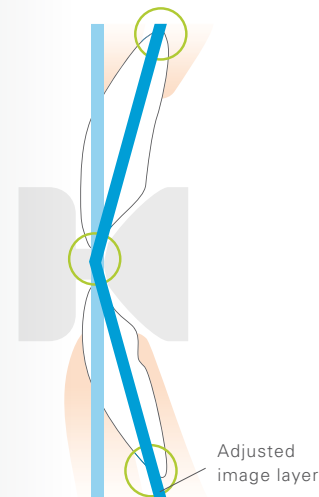
The innovative 3D Reuleaux triangle field of view reduces the dose.

2D / 3D Imaging

Veraviewepocs 3D R100 P / 3D R100 CP



Preview images are displayed in the green area, so as to facilitate alignment and adjustment.



- **Dose reduction program**
Reduces the effective radiation dose by up to 40% as compared to the standard program and also optimizes the imaging of the soft tissue.
- **7.4 seconds panoramic; 9.4 seconds 3D scan**
- **Partial panoramic and cephalometric functions**
Selecting individual image segments means that the focus is exclusively on diagnostically relevant areas.
- **Image layer adjustment**
Subsequent adjustment of the image layer for panoramic images so as to compensate for anomalies or incorrect positioning. Adjustment function allows user to select one-point, two-point or three-point adjustment.
- **Built-in flat-panel detector**
for panoramic and 3D images
- **Six different fields of view:**
 - Ø 40 x 40 mm
 - Ø 40 x 80 mm
 - Ø 80 x 50 mm
 - Ø 80 x 80 mm
 - Ø R100 x 80 mm
 - Ø R100 x 50 mm
- **Auto-focus**
A light beam sensor automatically positions the C-arm for optimal panoramic image.

2D / 3D Imaging

Veraviewepocs 3D R100 P / 3D R100 CP



Panoramic image

■ Programs for panoramic imaging

- Standard panoramic 1.3 and 1.6
- Pedo 1.3 and 1.6
- Shadow reduction panoramic 1.3 and 1.6
- Orthoradial panoramic 1.3 and 1.6
- Maxillary sinus 1.5
- TMJ quadruple 1.3

■ Programs for cephalometric imaging

- Posterior-anterior (PA)
- Lateral (LA)
- Handwrist radiograph

■ Intuitively comprehensible image processing

with intelligent representation, in real time, of volumetric and image-layer aspects

■ Non-computer-dependent observation and simple export of all image data



Cephalometric image

2D / 3D Imaging

Veraviewepocs 3D R100 P / 3D R100 CP

Configuration of Veraviewepocs 3D R100 P

- 1 built-in panoramic and 3D sensor
- 1 Capture PC
- i-Dixel Software
- 1 diagnostic monitor
- 1 pack of mouthpieces
- 1 chin rest
- 1 bite plate
- 1 lip-nose-rest
- 5 client licenses



3-year warranty

1715

Veraviewepocs 3D R100 P

94.900,00 €

Configuration of Veraviewepocs 3D R100 CP

- 1 built-in panoramic / 3D sensor,
1 built-in cephalometric sensor
- 1 Capture PC
- i-Dixel Software
- 1 diagnostic monitor
- 1 pack of mouthpieces
- 1 chin rest
- 1 bite plate
- 1 lip-nose-rest
- 5 client licenses



Version with cephalometric arm

3-year warranty

1735

Veraviewepocs 3D R100 CP

116.000,00 €

2D / 3D Imaging

Veraviewepocs 3D F40 P / 3D F40 CP

In endodontics, the smallest structure needs to be seen in order to identify the root canal system anomalies and determine root curvatures.. To have the appropriate X-ray system is vital for treatment planning and making a prognosis on healing success.

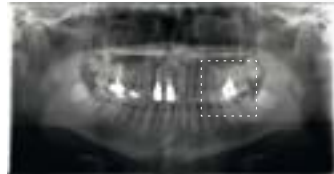
Advantages at a glance

■ Multiple functions in a single device:

Panoramic images and 3D images, plus optional cephalostat

■ Panoramic image with scout feature

Before taking a 3D image, a high resolution panoramic exposure could be taken to target the region of interest on the PC monitor. The C-arm will automatically move into the optimum patient position to get 3D images at the center of the region of interest.



Double-click on the cross to display the associated 3D image.

■ Minimal radiation exposure

- Dosage reduction program

Reduces the effective radiation dose by up to 40% as compared to the standard program and also optimizes the imaging of the soft tissue.

- DDAE (Digital Direct Auto Exposure) for panoramic image

- 7.4 seconds panoramic; 9.4 seconds 3D scan

- Partial panoramic and cephalometric functions

Selecting individual image segments means that the focus is exclusively on diagnostically relevant areas.

2D / 3D Imaging

Veraviewepocs 3D F40 P / 3D F40 CP

- Image layer adjustment

Subsequent adjustment of the image layer for panoramic images so as to compensate for anomalies or incorrect positioning. Adjustment function allows user to select one-point, two-point or three-point adjustment.

■ Built-in flat panel detector

for panoramic and 3D images

■ Two different fields of view:

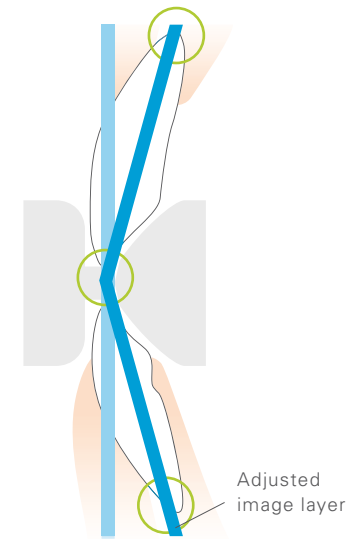
- Ø 40 x 40 mm
- Ø 40 x 80 mm

■ Auto-focus

A light beam sensor automatically positions the C-arm for optimal panoramic image.

■ Programs for panoramic imaging

- Standard panoramic 1.3 and 1.6
- Pedo 1.3 and 1.6
- Shadow reduction panoramic 1.3 and 1.6
- Orthoradial panoramic 1.3 and 1.6
- Maxillary sinus 1.5
- TMJ quadruple 1.3



Ø 40 x 80 mm image with the dose reduction program

2D / 3D Imaging

Veraviewepocs 3D F40 P / 3D F40 CP



Panoramic image

- **Programs for cephalometric imaging**
 - Posterior-anterior (PA)
 - Lateral (LA)
 - Handwrist radiograph
- **Intuitively comprehensible image processing**
with intelligent representation, in real time, of volumetric and image-layer aspects
- **Non-computer-dependent observation and simple export of all image data**



Cephalometric image

2D / 3D Imaging

Veraviewepocs 3D F40 P / 3D F40 CP

Configuration of Veraviewepocs 3D F40 P

- 1 built-in panoramic and 3D sensor
- 1 Capture PC
- i-Dixel Software
- 1 diagnostic monitor
- 1 pack of mouthpieces
- 1 chin rest
- 1 bite plate
- 1 lip-nose-rest
- 5 client licenses



3-year warranty

1775

Veraviewepocs 3D F40 P

74.300,00 €

Configuration of Veraviewepocs 3D F40 CP

- 1 built-in panoramic / 3D sensor,
1 built-in cephalometric sensor
- 1 Capture PC
- i-Dixel Software
- 1 diagnostic monitor
- 1 pack of mouthpieces
- 1 chin rest
- 1 bite plate
- 1 lip-nose-rest
- 5 client licenses



Version with cephalometric arm

3-year warranty

1785

Veraviewepocs 3D F40 CP

93.500,00 €

Imaging Software

i-Dixel / OnDemand 3D

The imaging software allows the integration, via VDDS, of the 3D systems Veraviewepocs 3D R100 / 3D F40 and 3D Accuitomo 170 into existing patient management software. Especially for radiology and in university clinics the linking up to an existing communication system (PACS) and radiology information system (RIS) can be carried out without any difficulty via the DICOM Modality Worklist (option).

i-Dixel Software

The software offers a whole series of functions which together form a comprehensive therapy concept – from the initial 3D imaging right up to the definitive diagnosis. The i-Dixel software is already contained with each 3D system purchased.

Advantages at a glance

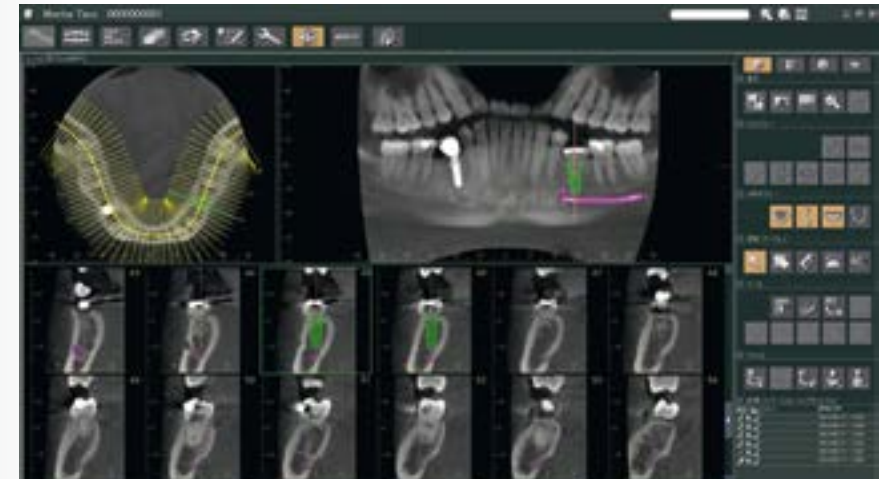
- **Highlighting of the mandibular canal**
- **Displaying of the mandibular canal in relation to the implant**
- **Presentation possibilities for an implant therapy**
- **Creation of volume renderings**
The renderings can be turned, enlarged and segmented in real time. Both the segmented 3D image and the entire and complete volumetric imaging can be displayed on the monitor at the same time.
- **Curved MPR Image Processing / dual Curved MPR Image Processing**
- **Compatible with DICOM 3.0**



Mandibular canal

Imaging Software

i-Dixel



A whole range of functions for the planning of therapies

Configuration

- One Data Viewer Plus
- One Volume Viewer
- Report and Print Center
- Dicom Print Service Class
- Dicom Storage Service Class

Options for i-Dixel software for 3D Accuitomo 170 and Veraviewepocs 3D

1500-100	i-Dixel full version	1.620,00 €
1500-260	Dicom Modality Worklist management class SCU	3.240,00 €
1500-300	i-Dixel client license (single)	526,00 €

Imaging Software

OnDemand 3D Software

OnDemand is a modular imaging software designed to meet various needs. It combines the display, diagnosis, presentation and documentation of 3D images.

Advantages at a glance

■ Dental 3D module

offers various functions, such as the 3D zoom

■ X-report module

A documentation tool which draws up reports either in individualized form or in a form adopted as standard within the surgery. With this software, it is also possible to program surgery's own templates.

■ Project viewer

This program loads and displays data from an OnDemand 3D server. This means that the software does not need to be installed on every PC in the surgery. The user can simply call up and display, via the viewer, the data already saved. This program also allows to export the data gathered by the referring dentist(s) and to save these on some external medium.

■ OnDemand 3D Server

A connection to this database can be set up from any and every OnDemand workplace. Individual user rights to it can be assigned and distributed.



Volume rendering



Mapping and measurement of jaw

Imaging Software

OnDemand 3D Software

Configuration

- Database manager
- Dynamic light box
- Implant database
- Report module
- DICOM functionality

Options for OnDemand3D Software

1620-100	OnDemand3D application	5.915,00 €
1620-101	OnDemand3D server license	2.265,00 €
1620-102	OnDemand3D project viewer (client license)	536,00 €
1620-103	OnDemand3D dental 3D module	2.144,00 €
1620-104	OnDemand3D X-report module	3.114,00 €
1620-105	OnDemand3D application client	3.003,00 €

2D Imaging

Veraviewepocs 2D / IC5 HD

Extremely high image quality combined with minimal radiation exposure – this is what is offered by Morita's panoramic imaging systems. Opening up comprehensive diagnostic possibilities for both dental and orthodontic purposes, these systems display the entire mandibular arch and provide detailed information about bone structure.

Veraviewepocs 2D P / 2D CP

The various programs offer a whole range of functions, as for example orthoradial-panoramic projections, which reduce the effect of overlapping of directly adjacent teeth in X-ray images. The shadow reduction panoramic imaging also serves to minimize shadowing effects caused by the ascending mandibular arch.

Advantages at a glance

- **Fine or high speed mode**
exposure time only 7.4 seconds, thus only 1/4 of the radiation exposure incurred with traditional devices
- **High quality images**
thanks to Digital Direct Automatic Exposure (DDAE) and Automatic Image Enhancement (AIE)
- **High resolution**
available in super fine mode
- **Simple and comfortable patient positioning**
thanks to the auto focus function, 3 laser beams, and smooth motorized movement
- **Upgradeable to Veraviewepocs 3D R100 / 3D F40**



Patient positioning



TMJ quadruple

2D Imaging

Veraviewepocs 2D P / 2D CP

- **Programs for panoramic imaging**
 - Standard panoramic 1.3 and 1.6
 - Pedo
 - Shadow reduction panoramic
 - Orthoradial panoramic
 - Sinus
 - TMJ quadruple
- **Programs for cephalometric imaging**
 - Posterior-anterior (PA)
 - Lateral (LA)
 - Handwrist radiograph



Panoramic image

Configuration of Veraviewepocs 2D P

- 1 pan sensor
- 1 CD software
- 1 pack of mouthpieces
- 1 chin rest
- 1 lip-nose-rest

3-year warranty

1750	Veraviewepocs 2D P	38.000,00 €
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Configuration of Veraviewepocs 2D CP

- 1 pan / ceph sensor
- 1 CD software
- 1 pack of mouthpieces
- 1 chin rest
- 1 lip-nose-rest

3-year warranty

1760	Veraviewepocs 2D CP	49.500,00 €
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2D Imaging

Veraview IC5 HD

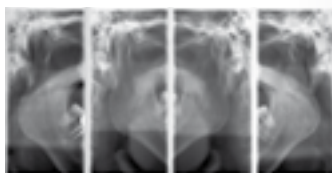
The Veraview IC5 HD is the digital panoramic X-ray system with outstanding image clarity, contrast, and resolution at a super high speed. The super high speed exposure takes only 5.5 seconds and therefore gives the patient a very low dose. The Veraview IC5 HD is extremely easy to operate and ensures that the patient can be quickly positioned as required. The practitioner can select the required program with just the push of a button, without having to perform any additional settings. The optimum dose for the patient is set fully automatically by the system itself.

Advantages at a glance

- **One of the fastest exposure time in the industry with significantly lower dosage**
 - 5.5 seconds in high speed mode
 - 10.0 seconds in high definition mode
- **High resolution**
(10-second-imaging) for the optimally high resolution image
- **First class image quality**
The DDAE and AIE functions ensure that images are always sharp and clear.
- **Panoramic image programs**
 - Standard panoramic 1.3
 - Pedo
 - TMJ quadruple
- **Easy to operate**
- **Low power consumption, lightweight and compact design**
- **3 laser beams to facilitate patient positioning**



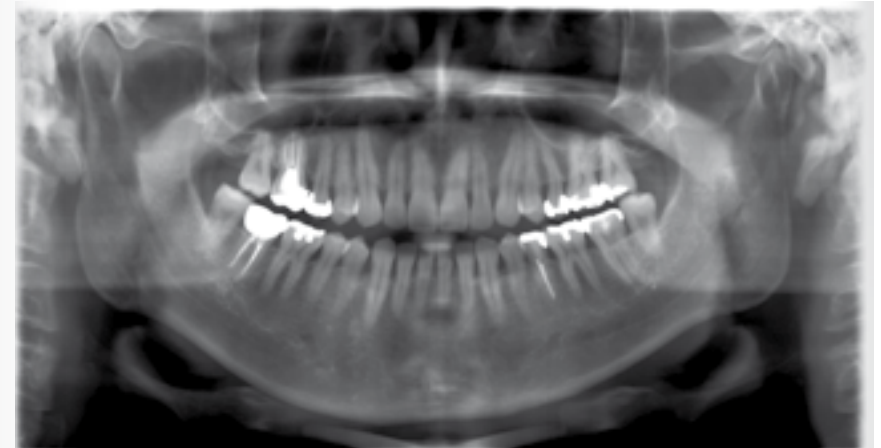
Laser beams for optimal positioning of patients



TMJ quadruple

2D Imaging

Veraview IC5 HD



Sharp images, rich in detail, with a broad plane of image layers

Configuration

- 1 CD software
- 1 chin rest
- 1 bite plate
- 1 lip-nose-rest

3-year warranty

Veraview IC5 HD – digital panoramic X-ray unit

1380	Veraview IC5 HD	25.200,00 €
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Intraoral Imaging

Veraview iX

The Veraview iX intraoral X-ray system delivers X-ray images – analog or digital, depending on your choice – in excellent quality. A flexible support arm and a laser for positioning make it easy to achieve a very precise setting of the area to be imaged.

Advantages at a glance

- **Reduction in radiation**
by the high-frequency generator
- **Sitting position with adjustable height**
- **LED positioning aid**
- **The LED light beams**
run together into a single point and thus facilitate positioning.
- **Gradations of exposure can be programmed according to choice**
for both analog and digital X-ray images
- **Variable exposure times**
running from 0.01 up to 2.0 seconds
- **Source-to-skin distance**
200 mm (source-to-skin-distance) or 300 mm (optional)
- **Illuminated display** for especial ease of setting
- **Display showing Dose Area Product (DAP)**



Available in two versions:
Wall-mounted or with patient's chair



Veraview iX – Intraoral X-ray unit

1220	Veraview iX Type WA550	5.100,00 €
1230	Veraview iX Type WA800	5.100,00 €
1240	Veraview iX Type R	5.400,00 €

X-ray units: accessories

Veraview iX options

1220-001	Long cone for Veraview iX	167,00 €
1220-002	Remote exposure kit for Veraview iX	213,00 €

X-Ray units: accessories and supplies

Accessories and supplies for Veraviewepocs

1022-001	Mouth piece (100 pcs./pack)	57,00 €
1020	Bite block cover for Veraviewepocs (300 pcs./pack)	27,00 €
1340-001	Test device for Veraviewepocs 2D and 3D (DIN 6868-5)	334,00 €
1340-003	5 port. switch for Veraviewepocs, Veraview IC5 HD, 2D and 3D	71,00 €
E8768757	Wallmounting for Veraviewepocs	810,00 €
N6350039	Wallmounting for Veraview IC5 HD	1.040,00 €
N9234853	X-550 3D Phantom set with box for quality test	1.590,00 €
SL1500-001	Veraviewepocs 2D/3D large base set	1.370,00 €

Radiographic cassettes with and without intensifying screen

1030	Film cassette 15 x 30 with HG-H2 screen	627,00 €
1031	Film cassette 15 x 30 with HG-H2 screen (with printed area code)	658,00 €
1015	Film cassette 18 x 24 with lanex regular screen	678,00 €

X-Ray units: accessories

1005-002	Film bag 15x30, without screen for PANEX-E/-EW/-EC	45,00 €
1015-002	Film cassette 18x24, without screen, for PANEX-EC/-AC-Ceph	344,00 €

Hardware

Minimum Requirements for Client PC (3D X-Ray)

- **PC with Windows operating system**
Windows XP and Windows 7 Professional
- **CPU: Intel Pentium Core2Duo or more**
- **Main memory: RAM 2 GB or more**
- **Hard drive: 20 GB or more recommended**
- **Network: 100BASE-TX x2 or NIC of equivalent capacity**

- **Note on back-up of data**

The person bearing responsibility for the data back-up prescribed by law shall be the operator of the unit in question. The data-base must be backed up each working day by saving to some external storage medium.

Treatment Units

The demands of dental practices are constantly changing. Patients are becoming older on average and dental treatment is becoming more and more subject to the laws of the marketplace. Morita is determined to respond to these developments and offers a series of different dental-practice concepts designed to deal with different demands: classical treatment units which support dental treatment from the so-called "9 o'clock" to "12.30 o'clock" positions; orthodontic treatment units; or units which serve to support an integral "health concept".

Morita gives priority here to ensuring the closest coordination of the various unit functions with one another, to maximum flexibility, and to outstanding design – so as to offer the best possible support to the practitioner throughout his working day.



Treatment Units

Classic Units

Soaric	30
Signo Treffert	42
Actus 101	50

Orthodontic Units

Spaceline EMCIA ORTHO	59
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Health-Promoting Units

Spaceline EMCIA SMT / PdW	70
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Classic Units

Soaric



2012 GOLD 2012 2012 2012

The Soaric treatment unit provides support for all types of treatment from diagnosis through to follow-up examinations, and makes it possible for you to achieve cost effectiveness and a smooth-running practice. It makes every step in treatment easier without cutting back on any aspect of the quality care your surgery normally provides. It is especially the many different possibilities that the unit offers of integrating such devices as monitors, microscopes or the endo motor that make the Soaric the first choice both for dentists providing high-quality dental treatment and endodontic specialists.

Classic Units

Soaric

Advantages at a glance

■ Two different models:

- Floor mount delivery (FMT) and over-the-patient delivery (OTP)



■ Integration

- Microscope

The operating microscope (Carl Zeiss, Leica, Kaps) can be directly integrated into the structure of the light pole – so as to provide an improved radius of movement and optimal ease of access to instruments.

- Torx SII-R measurement and preparation system

The micro motor with endo-handpiece and Torx SII-R apex locator is integrated into the operator's element and offers safety functions which prevent files from blocking and any over-preparation. The mucosal electrode used for measuring is located in the backrest of the patient's chair – so that it only needs to be moved a small distance when being placed in the patient's mouth.



Integration of microscope and monitor

Classic Units

Soaric

■ Blind selection and replacement

- Instrument holder

The guided hoses allow a directly intuitive grasping and putting back of the dental instruments. At the same time, the integrated strain-relief mechanism takes the strain off hand and finger muscles during treatment.

- Instrumentation

The operator's element can be flexibly stocked with up to 2 turbines, ultrasonic scaler, and 2 micro motors as well as, where required, an apex locator included. Additional instrument holders to accommodate an intraoral camera and a cordless curing light are also possible.

■ Ergonomic posture

- Additional storage surface

The additional tray can be positioned directly above the patient and can be used as a surface on which to put down instruments and materials.

- Flexible assistant's element

The lightly-built assistant's element can be flexibly positioned and allows the dentist's assistant to adopt an ergonomically comfortable posture.

■ Optimal visibility

- „Smart“ monitors

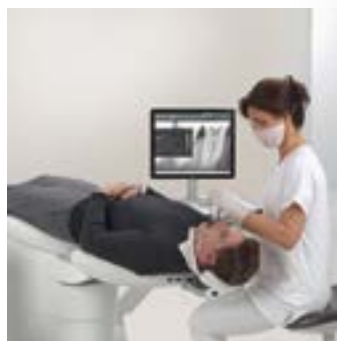
Depending on the model, the monitors can be integrated either into the structure of the light pole or into the operator's element. This makes possible both X-rays and the measuring function for endodontics.



Easy, intuitive access to instruments



Flexible assistant's element



Display of the measurement data from the root canal and of the X-ray images

Classic Units

Soaric

- Small instrument heads

The small instrument heads ensure that the dentist has an excellently clear view of the area being treated, even in the molar region.

■ Easy control of work processes

- Interface

The interface includes all control and programming functions of the patient's chair. All instrumentation modes can be individually set for up to 5 users. The user can also adjust the buttons on the foot control individually to suit his habitual manner of working and assign functions according to his preferences.

- Slow-speed mode

The slow-speed mode brings the patient gently into the required position during the treatment without the dentist having to move his eyes away from the microscope. Fine focusing is achieved using just the foot control.

- Foot control

Can be used to control the instrument parameters, the software, and the patient's chair.

■ „Open-Door“ principle

- Easily removable ceramic cuspidor
- Integrated hose flushing system
- Permanent water disinfecting system
- Intensive sterilization (overnight)



Everything in view



Multi-functional foot control



Easy access, so as to carry out daily hygiene tasks in the surgery.

Classic Units

Soaric

■ Upholstery colors



Basic configuration

■ Patient's chair

- Oil hydraulics
- 4 separate patient's-chair programs
- Slow-speed mode
- Foot control
- Double-jointed headrest
- LED operating light LunaVue CL-30

■ Operator's element

- Swiveling instrument holders (thermally disinfectable, autoclavable)
- LCD touch-screen display and "shortcut" function keys
- Instrumentation
 - First connection for pneumatically driven instruments (such as turbines, air scaler and air motor) including instrument hose DIN Midwest 4-holed with light (not

Classic Units

Soaric

including handpiece, not including quick-release coupling)

- First micro motor connection including instrument hose and Torx SII-O-LD micro motor with LED light (not including straight or contra angle handpieces)
- Multi-functional syringe WS-12N-IP (warm, without light)
- AT AR anti-suck-back mechanism for pneumatically driven handpieces
- USB-connection on the dentist's element so as to allow connecting e.g. intraoral camera, USB mouse, thumb drive etc.

■ Assistant's element

- Assistant's element with variable instrument holders and operator panel
- Spray-mist suction device, adjustable (quick-stop), incl. adapter fitting for 16 mm vacuum tips
- Saliva ejector, adjustable (quick-stop)
- Multi-functional syringe WS-12N-IP (warm, without light)

■ Water element

- (Manually) swiveling cuspidor with automatic cup refill and optical cup-fill detection
- Quick-connect terminal for providing devices (compressed air, water)

- Warm water boiler for instrument spray and mouthwash water
- Integrated hose flushing system for all water-conveying instrument hoses (in accordance with RKI 4/2006)
- Integrated disinfection system for the regular disinfection of all water conduits (for Bilpron from the company Alpro)
- Integrated disinfection system for suction hoses
- Sterapore microfilter system for fresh water and compressed-air supplies

■ Miscellaneous

- Standard fittings
- Silicon tray sheet
- Consumables and installation material

Classic Units

Soaric

Soaric treatment unit

2100	Soaric over-the-patient delivery (OTP) with basic configuration	45.290,00 €
2102	Soaric floor mount delivery (FMT) with basic configuration	45.180,00 €

Optional instrumentation for Soaric

2100-115	Second connection for pneumatically driven handpieces (such as turbines, air scalers and air motors) including DIN Midwest instrument hose, 4-holed with light (not including handpiece, not including quick-release coupling)	2.718,00 €
2100-130	Automatic tubing catch (strain-relief mechanism) for all installed pneumatically driven handpieces	390,00 €
2100-125	Second micro motor connection including instrument hose and Torx SII-R-O-LD micro motor with LED light (without straight or contra angle)	3.238,00 €
2100-129	Surcharge for automatic tubing catch for all installed micro motors (needs Art. 2100-130)	195,00 €
2100-160	Upgrade to multi-functional syringe with LED light WS-LD on the operator's element	1.271,00 €
2100-165	Upgrade multi-functional syringe with LED light WS-LD on the operator's and assistant's element	2.285,00 €
2100-170	Integrated apex locator (analog, Root ZX)	1.110,00 €

Classic Units

Soaric

2100-175	Integrated apex locator and endo motor function at Torx SII-R-O motor including contra angle CA-10RC ENDO, make possible a rotating endodontic preparation with simultaneous length control (Auto Apical Reverse and Auto Torque Reverse)	3.041,00 €
2100-135	Integrated ultrasonic scaler Solfy SC-3000-LD with LED light, for Morita ultrasonic tips	3.159,00 €
2100-136	Prepared for Satelec ultrasonic scaler with LED light (installation kit to be fitted into unit during assembly), for Satelec ultrasonic tips	3.258,00 €
2100-138	EMS ultrasonic scaler with LED light (installation kit to be fitted into unit during assembly), for EMS ultrasonic tips	3.258,00 €
2100-140	Integrated LED curing light PenCure 2000 VL-10, built-in version, cordless	1.523,00 €
2100-145	Free to use instrument holder for unspecified handpieces, mounted on the operator's element	407,00 €

Options for Soaric

2100-100	Upgrade for patient's chair with foldaway foot section (FT version) including armrest on assistant's side	4.051,00 €
2100-105	Slide-out footrest for FT version	
2100-106	Armrest on the dentist's side (only available for FT version)	470,00 €
2100-220	Light-pole-integrated microscope adapter (Zeiss OPMI pico)	2.550,00 €

Classic Units

Soaric

2100-225	Ligh-pole-integrated microscope adapter (Leica M320 F12)	2.550,00 €
2100-226	Light-pole-integrated microscope adapter (Kaps SOM)	2.550,00 €
2100-230	Upgrade to motor-driven cuspidor	574,00 €
2100-250	Additional tray for 2 standard trays, installed on light pole (only available for floor mount delivery)	2.414,00 €
2100-256	Upgrade for large, two-level comfort tray (only available for over-the-patient delivery), offers space for 2 additional standard trays	2.414,00 €
2100-107	Armrest on assistant's side (standard for version with foldaway foot section)	470,00 €
2100-235	Upgrade to extendable backrest (backrest can be adjusted by up to approx. 6 cm to patient's size)	555,00 €
2100-260	19" monitor with navigation and superimposition function, installed on operator's element (only available for floor mount delivery)	3.391,00 €
2100-265	19" monitor with navigation and superimposition function, installed on light pole, including adapter and flexible arm	4.098,00 €
2100-266	VESA adapter, mounted on the light pole	3.248,00 €
C9301851	Additional monitor Eonis 22", MPA, white	
2100-270	Cursor/mouse-pointer/L+R mouse-buttons built into the operator panel on the dentist's side	350,00 €

Classic Units

Soaric

2100-227	Light pole, prepared for later upgrade of microscope	1.606,00 €
2100-228	Light pole, prepared for later upgrade of monitor	1.606,00 €
2100-231	Light pole, prepared for later upgrade of additional tray (only available for floor mount delivery)	1.606,00 €
2100-229	Light pole, prepared for later upgrade of microscope and monitor	1.742,00 €
2100-232	Light pole, prepared for later upgrade of microscope, additional tray and monitor (only available for floor mount delivery)	1.853,00 €
Suction system and fresh water conditioning for Soaric		
2100-310	Prepared for connection to the central dry suction unit, including automatic separating mechanism with automatic cleaning and also including position selection valve	0,00 €
2100-315	Prepared for connection to the central wet suction unit, including cuspidor valve and also including position selection valve	1.285,00 €
2100-320	Prepared for connection to the central dry suction unit, including amalgam separator (Dürr CAS 1 model, built-in version) and also including position selection valve	2.606,00 €
2100-370	Casing for external installation connections (junction box)	364,00 €

Classic Units

Soaric

2100-330	Upgrade to built-in fresh water disinfection unit (active agent: H2O2) of the Metasys WEK model (active agent: H2O2), including unobstructed fall path as per DIN EN1717	2.476,00 €
Operating stool for Soaric		
2002	Spring-loaded gas-pressure operating stool of the OSJ-1-N (Spaceline) model, angle of inclination of seat surface can be manually adjusted, light grey roller mechanism	998,00 €
N5357187	Surcharge for white base of operating stool OSJ-1-N	86,00 €
2115	Spring-loaded gas-pressure operating stool of the OS-R-1 model with variable armrest, white roller mechanism	1.425,00 €
N5342228	Surcharge for light gray base at operating stool OS-R-1	0,00 €
Accessories for Soaric		
2100-390	Footrest cover (not available for version with foldaway foot section)	45,50 €
N3414700	Additional silicon tray sheet for operator's element and/or additional tray, autoclavable	67,50 €
2100-396	Additional silicon tray sheet for comfort tray	67,50 €
N3414711	Additional insert for instrument holder suitable for: turbines, micro motors, multi-functional syringes, installed in operator's element, scaler, or additional instrument holder	136,50 €

Classic Units

Soaric

N3414736	Additional insert for instrument holder for saliva ejector in assistant's element	177,00 €
N3414734	Additional insert for instrument holder for multi-functional syringe installed in assistant's element	106,00 €
N3414732	Additional insert for instrument holder for suction handpiece installed in assistant's element	158,50 €
N3414725	Additional silicon handle installed in operator's element	29,00 €
N3514400	Set of additional handles (2 handles) for OP light	99,50 €
N3514401	Additional splash guard for OP light	54,00 €
N5130220	Additional nozzle (IP) for WS-12 multi-functional syringe	296,00 €
N5130223	Additional nozzle (IP) for WS-LD multi-functional syringe	513,00 €
N3170747	Pack of 2 Soaric nylon covers for headrests	40,50 €

Classic Units

Signo Treffert

In collaboration with the Porsche Design Studio we have developed a unique treatment unit which combines design and functionality in a quite extraordinary way. The special attraction of the Signo Treffert unit lies in the way it perfectly coordinates technological excellence with the careful selection, and craftsman-like handling, of materials. A unit crafted to a design both clear and functionally efficient that is easy to operate and that has already been thoroughly tested by dentists, their assistants, and patients of all ages.

Advantages at a glance

- **Available in three different models:**
 - Floor mount or over-the-patient delivery, and cart



Classic Units

Signo Treffert



Simply ergonomic – whether working alone or in a team

- **Adaptable operating concept for changing practice requirements**
 - Easy programming of individual settings on the operator's element
 - Flexible division of labor – assistant's element also has an operator panel
 - Concentrating on what is essential - the instrument parameters and the patient's chair can all be controlled via the foot control
- **Non-tiring treatment – for best possible results**
 - Ideal reaching ranges with pivoting operator's and assistant's element



Assistant's element with operator panel



Controlling of instrument parameters via the foot control

Classic Units

Signo Treffert

- Guided instrument hoses for noticeable wrist strain relief
- Hands-free precision setting with selectable slow-speed mode

■ Comfort to relax patients

- Upholstery material with memory effect – excellent lying comfort for patients
- Individually adjustable headrests for perfect positioning of each individual patient
- Gentle positioning of patient's chair thanks to hydraulic motor

■ Reliable instruments for the everyday work of the practice

Dentist's element for up to five instruments with standardized interfaces

■ Consistent practice hygiene – easy and time-saving

- Smooth, rounded-off surfaces for uncomplicated cleaning and disinfection
- Automatic hose flushing system



- Bacteria filter with fine-pored capillaries for pure air and clean water



Intuitive taking-up and replacing of instruments



Comfortable upholstery



Flexibly adjustable headrest



Smooth surfaces for good hygiene conditions

Classic Units

Signo Treffert

■ Upholstery colors



White



Orange



Blue



Purple

Basic configuration

■ Patient's chair

- Oil hydraulics
- 4 different patient's-chair programs
- Slow-speed mode
- Foot control
- Halogen OP light (LunaVue ED CL-10)
- Armrest, assistant's side

■ Operator's element

- 6 instrument holders
- Operator panel
- Instrumentation
 - First connection for pneumatically driven handpieces (such as turbines, air scalers and air motors) including DIN Midwest instrument hose, 4-holed with light (not including handpiece, not including quick-release coupling)
 - First micro motor connection including instrument hose and Torx 91-O micro motor with halogen light (not including straight or contra angle handpiece)
 - Multi-functional syringe WS-97

Classic Units

Signo Treffert

- AT AR anti-suck-back mechanism for pneumatically driven handpieces
- USB-connection on operator's element, for connecting e.g. an intraoral camera

■ Assistant's element

- Assistant's element with operator panel
- Spray-mist suction device, with quick-stop, for 16 mm vacuum tips
- Saliva ejector with quick stop for standard drain tubes
- Multi-functional syringe WS-97

■ Water element

- Cuspidor with automatic flushing mechanism and optical cup-fill detection
- Hot water boiler
- Hose flushing system for all water-conveying instrument hoses (in accordance with RKI 4/2006)
- Sterapore microfilter system for fresh water and compressed-air supplies

■ Miscellaneous

- Standard fixtures and accessories
- Silicon tray liner
- Consumables and installation materials

Classic Units

Signo Treffert

Signo Treffert treatment unit

3010	Signo Treffert over-the-patient delivery (OTP) basic configuration	37.289,00 €
3010-FMT	Signo Treffert floor mounted delivery (FMT) basic configuration	37.289,00 €
3010-CTT	Signo Treffert cart version basic configuration	37.692,00 €

Optional instrumentation for Signo Treffert

3010-110	Second connection for pneumatically driven instruments, including DIN Midwest instrument hose, 4-holed with light (not including handpiece, not including quickrelease coupling)	2.558,00 €
3010-120	Second micro motor connection, including instrument hose and Torx 91-O micro motor with halogen light (but not including straight or contra angle handpiece)	4.064,00 €
C9042624	Additional price for LED light on micro motor (per micro motor)	77,00 €
3010-130	Ultrasonic scaler Newtron	2.619,00 €
3010-150	LED curing light VL-61 (installable version)	1.603,00 €

Options for Signo Treffert

3010-200	Surcharge for patient's chair with foldaway foot section	946,00 €
3010-210	Foldaway patient's mirror for LunaVue ED	215,00 €
3010-215	Surcharge for LED OP light LunaVue EL, including Auto Light	970,00 €

Classic Units

Signo Treffert

3010-216	Rotatable mirror for LunaVue EL	258,00 €
3010-220	Surcharge for electro-motor-driven headrest	1.141,00 €
3010-230	Armrest on operator's side	481,00 €
3010-250	Foot control function for micro motor: forward/reverse/instrument-water ON / OFF	741,00 €
3010-251	Foot control function for individual turbine speed	646,00 €
3010-255	Surcharge for 40 cm longer cable to foot control	219,00 €
3010-260	X-ray film viewer "Tripple Film Viewer", mounted on operator's element	957,00 €
3010-270	Monitor arm, mounted on light pole	1.017,00 €
3010-280	Small shelf and paper holder, mounted on light pole	170,00 €
3010-240	Station Cart Type – length of cable optional from 1.85 up to 2.80 m (only for cart version)	397,00 €

Suction system and fresh water conditioning for Signo Treffert

3010-310	Prepared for connection to the central dry suction unit, including automatic separating mechanism with automatic cleaning and also including position selection valve	0,00 €
3010-320	Prepared for connection to the central wet suction unit, including cuspidor valve and also including position selection valve	1.261,00 €

Classic Units

Signo Treffert

3010-330	Prepared for connection to the central dry suction unit, including amalgam separator (Dürr CAS 1 model, built-in version) and also including position selection valve	2.466,00 €
3010-500	Metasys WEK (permanent fresh water disinfection unit incl. EN1717) in berthed casing	4.070,00 €
Accessories for Signo Treffert		
3010-560	Additional tray (only for over-the-patient delivery)	3.916,00 €
3010-810	Foot covering	45,50 €
3406	Spring-loaded gas-pressure operating stool (OS-LN II) for dentist and/or assistant	890,00 €

Classic Units

Actus 101



A secure foundation is the basis of successful work and outstanding results. With the Actus 101 we make this secure foundation available to the dentist. This robust treatment unit offers high-quality technology and a fully comprehensive spectrum of functions. Currently in use in more than 10,000 dentist's surgeries worldwide, the Actus 101 has proven its mettle as a reliable and very durable treatment unit.

Classic Units

Actus 101

Advantages at a glance

■ One model: over-the-patient delivery

■ Simple positioning of patient

The hydraulic drive sees to it that the patient can be positioned exactly as you wish. The OP light, once focused on the area the dentist wants to work on, automatically adjusts itself to every further height-repositioning of the patient's chair, so that it never needs to be reset.

■ See everything better with the LED light

With a luminous power of up to 30,000 lux, the LunaVue EL OP light ensures an evenly illuminated treatment area and generally pleasant light conditions with only minimal heat generation.

■ Intuitive, user-friendly operation

- Clearly structured operator panel

The operator controls, at the press of a button, the patient's chair and instrument parameters via the operator panel.

- All instruments within easy reach

The operator's element's laterally swiveling instrument holder contains up to 5 instruments, allowing the dentist to pick them up and replace them easily.

The assistant's element can likewise be flexibly positioned and includes practical operating elements for the control of patient's chair and cuspidor.



The status of a tooth can be clarified using the foldaway mirror on the OP light



Operator's and assistant's element

Classic Units

Actus 101

- Regulation via foot control

As an alternative to the rapid operating buttons on the operator panel, patient's chair and instruments can also be examined via the foot control. The practitioner's hands thus remain free, so that she/he can concentrate fully on the treatment.



Regulation of instrument parameters via the foot control

■ Additional space for placing instruments

The fully pivoting, ceiling-mounted additional tray offers extra placement space and can be easily adjusted to every treatment situation.



Fully pivoting additional tray

■ High-quality patient comfort

- Comfortable and stable positioning of patient's head
- Chair easy to climb into
- Comfortable lying surface



Comfortable lying position for patients

Classic Units

Actus 101

■ Meeting of hygiene requirements

- Smooth surfaces
- Hose flushing system
- Built-in water preparation (Metasys)
- Environmentally-friendly waste disposal via dental-amalgam-separator



Daily hose flushing

■ Upholstery colors

Standard



Red



Blue



Rosé



Green

Fusion Shimmer



Icicle



White gold



Peridot



Frost



Celestial



Gun metal

Classic Units

Actus 101

Basic configuration

■ Patient's chair

- Oil hydraulics
- 4 different patient's-chair programs
- Standard headrest with inclination and length adjustment
- Foot control
(cable length: approx. 700 mm)
- Armrest, assistant's side

■ Operator's element

- 5 instrument holders
- Operator panel
- Tray table
- Instrumentation
 - First connection for pneumatically driven handpieces (such as turbines, air scalers and air motors) including DIN Midwest instrument hose, 4-holed with light (not including handpiece, not including quick-release coupling).
 - Multi-functional syringe (WS-201), not including hose-heating

■ Assistant's element

- Adjustable height, swiveling, with 3 instrument holders
- operator panel
- Side table
- Spray-mist suction device, with quick-stop, for 16 mm vacuum tips
- Saliva ejector with quick stop for standard drain tubes

■ Water element

- Glass cuspidor with automatic cuspidor flushing and automatic cup refill
- Hot water boiler

■ Miscellaneous

- Various accessories

Classic Units

Actus 101

Actus 101 treatment unit

3411	Actus 101 basic configuration	19.898,00 €
Optional instrumentation for Actus 101		
3411-110	Second connection for pneumatically driven handpieces (such as turbines, air scalers and air motors) including DIN Midwest instrument hose, 4-holed with light (not including handpiece, not including quickrelease coupling)	2.558,00 €
3411-113	Third connection for pneumatically driven handpieces (such as turbines, air scalers and air motors) including DIN Midwest instrument hose, 4-holed with light (not including handpiece, not including quickrelease coupling)	2.544,00 €
3411-120	First micro motor connection, including instrument hose and Torx 91-O micro motor with halogen light (but not including straight or contra angle handpiece)	3.994,00 €
3411-122	Second micro motor connection, including instrument hose and Torx 91-O micro motor with halogen light (but not including straight or contra angle handpiece)	3.994,00 €
C9042624	Surcharge for LED light on micro motor (per micro motor)	76,00 €
3411-170	Ultrasonic Scaler Newtron with handpiece and standard accessories	2.619,00 €
3411-150	Multi-functional syringe (WS-201) with hose-heating on operator's side	143,00 €

Classic Units

Actus 101

3411-165	Multi-functional syringe (WS-201) on assistant's side, without hose-heating	582,00 €
3411-160	Multi-functional syringe (WS-201) on assistant's side, with hose-heating	706,00 €
Options for Actus 101		
3411-201	Halogen OP light (LunaVue ED CL-10) mounted on the treatment unit	3.155,00 €
3411-200	Auto-light for LunaVue ED CL-10	218,00 €
3411-205	Foldaway patient's mirror for LunaVue ED CL-10 OP light	215,00 €
3411-215	LunaVue EL LED OP light, mounted on treatment unit, including auto-light	4.004,00 €
3411-216	Rotatable patient's mirror for LunaVue EL OP light	258,00 €
3411-220	Multi-jointed headrest	863,00 €
3411-230	Armrest on operator's side	464,00 €
3411-250	Foot control function for micro motor: forward/reverse/instrument-spray ON / OFF, automatic patient's-chair movement	863,00 €
3411-251	Variable speed-control for pneumatically driven handpieces	716,00 €
3411-255	Cable extension for foot control (+ approx. 300 mm)	101,00 €
3411-260	X-ray film viewer "Tripple Film Viewer", mounted on operator's element	957,00 €
3411-270	Monitor arm for installation on light pole (without monitor)	968,00 €

Classic Units

Actus 101

3411-275	Mouse tray	453,00 €
3411-280	Small tray on light pole	112,00 €
3411-285	Paper-holder mounted on arm of over-the-patient tray	98,00 €
9999	Special upholstery color chosen from the Fusion Shimmer range	723,00 €
Suction system and fresh water conditioning for Actus 101		
3411-310	Prepared for connection to a central dry suction unit, including suction separation tank with automatic cleaning and safety valve	1.029,00 €
3411-320	Prepared for connection to the central wet suction unit, including cuspidor valve and also including position selection valve	1.261,00 €
3411-330	Dürr CAS 1 amalgam separator	2.466,00 €
3411-500	Metasys WEK (permanent fresh water disinfection unit incl. EN1717)	2.993,00 €
Accessories for Actus 101		
3406	Spring-loaded gas-pressure operating stool (OS-LN II)	890,00 €
3411-830	Flushing system for all water-conducting hoses (RKI 4/2006)	789,00 €
3411-810	Foot covering	45,50 €
3411-800	Silicon tray sheet (1 sheet/pack)	67,00 €
3411-820	Panel cover for operator's and assistant's side (5 covers/pack)	45,50 €

Classic Units

Actus 101

C560-00	FreeAction additional tray (standard model), with silicon liner, mounted on ceiling adapter with 500 mm pendant free-motion cable for a room height of approx. 2.50 m	3.994,00 €
C560-06	Surcharge for 900 mm free-motion cable for FreeAction additional tray for a room height of approx. 2.90 m	63,00 €
C560-07	Surcharge for 1.350 mm free-motion cable for FreeAction additional tray for a room height of approx. 3.35 m	132,00 €

Orthodontic Units

Spaceline EMCIA ORTHO



Successful orthodontic treatment requires not only competent discussion and planning with the patient in advance and the consistent and systematic implementation of the measures once decided on. It also requires a surgery that is well provided with the most modern and high-performance equipment. With instruments integrated into the backrest of the patient's chair along with various optional extensions, such as the backrest-mounted or fully pivoting additional tray, the Spaceline EMCIA ORTHO offers a compact, space-saving concept for the orthodontic surgery.

Orthodontic Units

Spaceline EMCIA ORTHO

Advantages at a glance

■ Different models

- Version with instruments integrated into the backrest
- Version with instruments integrated into the backrest plus shoulder-mounted tray
- Both versions can be equipped also with a ceiling-mounted additional tray and a foldaway foot section

■ Maximum freedom of movement with minimum space requirements

This compact unit makes it possible both to install several units within a single treatment room or to install single units in very small spaces – so as to provide more privacy for the patient. This latter development is becoming increasingly important due to more and more adult patients choosing orthodontic treatment.

■ Reduced strain on back during each treatment phase

The Spaceline EMCIA ORTHO reduces strain on the practitioner's body to the very minimum. Designed in accordance with the ergonomic concept of Dr. Daryl Beach, this workplace enables the practitioner to work in a relaxed way and from an upright sitting position.

■ Height adjustment to the exact millimeter

Thanks to the slow-speed mode and the hydraulic motor, the practitioner can



Spaceline EMCIA ORTHO with and without tray



Minimal space requirement, maximum freedom



Optimal work posture for a healthy back

Orthodontic Units

Spaceline EMCIA ORTHO



Instruments within perfect reach

position his patient very gently in the posture required for him best to do his work.

■ Integrated instruments

The instruments, being integrated into the backrest of the patient's chair, can be quickly and easily reached both by the dentist and his assistants. This unique instrument-storage concept also means that the dental instruments are out of the field of view of the patients – something which conduces to a friendly, relaxed atmosphere during treatment.



SMT tray for laying down of instruments and materials

■ Flexible placement surfaces

- Version with shoulder-mounted tray

The tray is located on the side of the patient's chair and allows both the control of the parameters and the laying down and taking up of the instruments

- Additional tray

The fully pivoting, ceiling-mounted additional tray offers an extra placement surface and can be flexibly adjusted for every treatment situation.



Fully pivoting additional tray

Orthodontic Units

Spaceline EMCIA ORTHO



Assistant's element for the control of various functions



LED OP light with optional mirror for patient communication



Easy access on and off the chair for patients



Hose flushing system

■ Assistant's element

A separate assistant's element supports the dentist's assistants in their operation of the patient's chair and water functions. This represents an alternative to the integrated instruments.

■ Better visibility with the LED OP light

High-powered LEDs illuminate the treatment area both brightly and evenly and create generally pleasant lighting conditions during treatment. The foldaway mirror supports the orthodontist in his communication with the patient.

■ Patient comfort

- Obstruction-free getting into and out of chair

The footrest, which folds away automatically, assures the patient to get into and out of the chair without obstruction and facilitates the consultations between dentist and patient.

- Comfortable positioning of upper body

The backrest allows the patient to let his arms too lie at full length. This ensures a relaxed patient posture – even during long treatment sessions.

■ Surgery hygiene

- Smooth, rounded-off surfaces
- Hose flushing system
- Permanent fresh water treatment
- Intensive sterilization (overnight)

Orthodontic Units

Spaceline EMCIA ORTHO

■ Upholstery colors



Onyx black



Garnet red



Tourmalin green



Tanzanite blue



Citrine gold



Amethyst purple



Peridot green



Opal white

■ Cuspidor colors



Clear



Green



Dark gray



Blue



Purple



White

Orthodontic Units

Spaceline EMCIA ORTHO

Basic configuration

■ Patient's chair

- Oil hydraulics
- 4 different patient's-chair programs
- Slow-speed mode
- Foot control with 2 pedals
- Armrest on assistant's side
- Headrest with anatomically adjusted movement sequence
- One-hand connector plugs for water and air, on operator's side

■ Integrated instruments

- AT AR anti-suck-back mechanism for pneumatically driven handpieces
- 2 WS-12-N multi-functional syringes, without lights, for dentist and assistant (autoclavable)
- Suction handpiece (spray-mist suction unit) with various fixtures and extensions (autoclavable)

■ Water element

- Cuspidor with automatic cup refill and optical cup-fill detection
- Hose flushing system for all water-conducting hoses (RKI 4/2006)
- Disinfection system for all water conduits (overnight)
- Sterapore microfilter system for fresh water and compressed-air supplies

■ Miscellaneous

- Standard accessories
- Silicon tray sheet

Orthodontic Units

Spaceline EMCIA ORTHO

Spaceline EMCIA ORTHO treatment unit

2604	Spaceline EMCIA ORTHO (without tray) basic configuration	23.060,00 €
2604-SMT	Spaceline EMCIA SMT (with shoulder-mounted-tray) basic configuration	26.640,00 €

Optional instrumentation for Spaceline EMCIA ORTHO

2602-110	First connection for pneumatically driven handpieces (such as turbines, air scalers and air motors) including DIN Midwest instrument hose, 4-holed with light (not including handpiece, not including quickrelease coupling)	3.269,00 €
2602-115	Second connection for pneumatically driven handpieces (such as turbines, air scalers and air motors) including DIN Midwest instrument hose, 4-holed with light (not including handpiece, not including quickrelease coupling)	2.558,00 €
2604-120	First micro motor connection: TR-SII-O-LD with LED light (without handpiece)	3.994,00 €
2604-125	Second micro motor connection: TR-SII-O-LD with LED light (without handpiece)	3.913,00 €
2604-135	Ultrasonic scaler (Solfy SC-3000-LD) with LED light	3.159,00 €
2604-160	Surcharge for multi-functional syringe (WS-10-O-LD) with LED light for dentist (instead of WS-12-N*1)	1.271,00 €

Orthodontic Units

Spaceline EMCIA ORTHO

2604-165	Surcharge for multi-functional syringe (WS-10-O-LD) with LED light for dentist (instead of WS-12-N*1)	2.285,00 €
2604-240	Saliva ejector (autoclavable)	324,00 €
2604-260	Fully pivoting assistant's element with operator panel and small placement surface	963,00 €

Options for Spaceline EMCIA ORTHO

2602-260	One-hand connector plugs for water and air on assistant's side instead of operator's side	0,00 €
2602-200	Spaceline EMCIA ORTHO with foldaway foot section (FT version)	2.889,00 €
2602-220	Armrest on operator's side (standard equipment in FT model)	481,00 €
2604-230	Double-jointed headrest for optimal patient positioning; mechanical inclination and length-setting	750,00 €
2604-235	Backrest upholstery of the Canopy type (only for SMT version)	0,00 €
2602-250	Tablet for PC mouse	216,00 €
2602-255	Tray for assistant(s)	169,00 €

Suction system and fresh water preparation for Spaceline EMCIA ORTHO

SL2604-310	Prepared for connection to the central dry suction unit, including automatic separating mechanism type Dürr CS 1 and also including position selection valve	1.207,00 €
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Orthodontic Units

Spaceline EMCIA ORTHO

2604-315	Prepared for connection to the central wet suction unit, including cuspidor valve and also including position selection valve	1.261,00 €
3010-330	Prepared for connection to the central dry suction unit, including amalgam separator (Dürr CAS 1 model, built-in version) and also including position selection valve	2.466,00 €
C55020025	Metasys WEK, incl. EN1717, mounted in the base of the patient's chair (not possible with FT-type)	2.476,00 €

Operation light for Spaceline EMCIA ORTHO

2604-210	LunaVue LD CL-30-U LED OP light (mounted on the treatment unit) with non-contact sensor	3.812,00 €
2602-213	Auto-light for OP light LunaVue LD	791,00 €
2604-215	Foldaway patient's mirror for LunaVue ED	215,00 €
2604-225	Small table on the light pole	213,00 €
2602-240	Monitor arm for standard LCD monitor, mounted on the light pole (not including monitor)	945,00 €
C9301851	Monitor: Eonis 22", MPA, white	1.730,00 €
C590-002	Back cover for Eonis, white	102,00 €

Accessories for Spaceline EMCIA ORTHO

2600-003	Foot covering	45,50 €
2002	Spring-loaded gas-pressure operating stool (OSJ-1-N) for dentist and/or assistant	998,00 €

Orthodontic Units

Spaceline EMCIA ORTHO

C560-10	FreeAction additional tray (Spaceline model), with silicon tray sheet, mounted on ceiling adapter with 500 mm pendant free-motion cable for a room height of approx. 2.50 m	3.923,00 €
C560-06	Surcharge for 900 mm free-motion cable for FreeAction additional tray for a room height of approx. 2.90 m	63,00 €
C560-07	Surcharge for 1.350 mm free-motion cable for FreeAction additional tray for a room height of approx. 3.35 m	132,00 €
C560-001	Surcharge for tray table for 2 standard trays for FreeAction additional tray, including silicon tray sheet	74,00 €

Tray-ZX – universal traytable

2900-100	ZX tray (25 x 34 cm) for installation on light pole Ø 47-57 mm	106,00 €
2900-101	Inlay-sheet for ZX tray	16,00 €
2900-110	Adapter for light pole Ø 35-46 mm	3,50 €

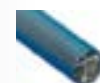
Accessories for the suction system

2079	Vacuum tip C for saliva-extractor hose	25,30 €
2080	Vacuum tip A-1N, 120, 120°, curved with cross-filter	29,40 €

Orthodontic Units

Spaceline EMCIA ORTHO

2081	Vacuum tip A-2N, 120, 120°, curved without cross-filter	25,30 €
2082	Vacuum tip A-1, 90, 90°, curved with cross-filter	29,40 €
2083	Vacuum tip A-2, 90, 90°, curved without cross-filter	25,30 €
2084	Vacuum tip B, surgical, suitable for drain tube 2081/2083	23,30 €
2086	Rubber tip A for drain tube 2080/-81/-82/-83 (10 tips/pack)	35,90 €
2087	Rubber tip B for saliva-extractor drain-tube 2079/-88 (5 tips/pack)	23,30 €
2088	Vacuum tip C-N, saliva-extractor drain-tube adaptable directly to suction handpiece	23,30 €
2089	Vacuum tip B-N, surgical, adaptable directly to suction handpiece	29,40 €
2090	Saliva-extractor drain-tube C for saliva-extractor hose (2 tubes/pack)	51,60 €



Cross-filter



Art.-No. 2080



Art.-No. 2082



Art.-No. 2083



Art.-No. 2084



Art.-No. 2088



Art.-No. 2089

Health-Promoting Units

Spaceline EMCIA SMT / PdW

The ergonomic/functional treatment unit Spaceline EMCIA offers the dentist more freedom of movement when treating his patients. The user-oriented concept promotes a healthy physiological posture and supports the natural sequences of bodily movement in every treatment situation. Spaceline EMCIA combines comfort and high functionality – for an efficient and relaxed working environment.

Advantages at a glance

■ Different models

- Version with shoulder-mounted tray (SMT) and integrated instruments
- Floor mount delivery of the operator's element (FMT version) / PdW tray
- Both versions can be equipped also with a ceiling-mounted additional tray and a fold-away foot section



Spaceline EMCIA SMT



Spaceline EMCIA PdW

Health-Promoting Units

Spaceline EMCIA SMT / PdW

■ Reduced strain on back during each treatment phase

The Spaceline EMCIA treatment unit reduces physical strain on the practitioner's body to a minimum. Designed in accordance with the ergonomic concept of Dr. Daryl Beach, this workplace enables the operator to work in a relaxed way and from an upright sitting position.



Optimal work posture for a healthy back

■ Optimum utilization of space

The total concept of the Spaceline EMCIA takes into account movements by practitioners as well as the distances covered by the practice team.



Treatment as a team

■ Height adjustment to the exact millimeter

Thanks to the slow-speed mode and the hydraulic motor, the practitioner can position his patient very gently in the posture required for him best to do his work. The slow-speed mode is particularly useful where the dentist needs to use a microscope, since it allows him to quickly and elegantly create the required 18 mm "depth of field" for his area of treatment.



Easy patient positioning

■ Easy access to all instruments

All the important operating functions and instruments lie within comfortable reach. The location of the instruments in both the backrest as well as the operator's and assistant's elements is perfectly arranged for optimum access at all times – without any inconvenient need for twisting their spine.



A space concept with ideal paths of access

Health-Promoting Units

Spaceline EMCIA SMT / PdW

■ More storage space

The fully pivoting, ceiling-mounted additional tray offers an extraplacement surface and can be flexibly adjusted for every treatment situation.



Additional tray

■ Assistant's element

A separate assistant's element supports the dentist's assistants in their operation of the patient's chair and water functions. This represents an alternative to the integrated instruments.



Assistant's element for the control of various functions

■ Better visibility with the LED OP light

High-powered LEDs illuminate the treatment area fully and evenly and create generally pleasant lighting conditions during treatment. The foldaway mirror supports the practitioner in his communication with the patient.



LED OP light with optional mirror for patient communication

■ Patient comfort

- Obstruction-free getting into and out of chair

The footrest, which folds away automatically, assures the patient to get into and out of the chair without obstruction and facilitates the consultations between dentist and patient.

- Comfortable positioning of upper body

The backrest allows the patient to let his arms too lie at full length. This ensures a relaxed patient posture – even during lengthier treatment sessions.



Easy access on and off the chair for patients

Health-Promoting Units

Spaceline EMCIA SMT / PdW

■ Surgery hygiene

- Smooth, rounded-off surfaces
- Hose flushing system
- Permanent fresh water treatment



Hose flushing system

■ Upholstery colors



Onyx black



Garnet red



Tourmalin green



Tanzanite blue



Citrine gold



Amethyst purple



Peridot green



Opal white

■ Cuspidor colors



Clear



Green



Dark gray



Blue



Purple



White

Health-Promoting Units

Spaceline EMCIA SMT / PdW

Basic configuration

■ Patient's chair

- Oil hydraulics
- 4 different patient's-chair programs
- Slow-speed mode
- Foot control with 2 pedals
- Armrest on assistant's side
- Headrest with anatomically adjusted movement sequence
- One-hand connector plugs for water and air, on operator's side

■ Integrated instruments

- AT AR anti-suck-back mechanism for pneumatically driven handpieces
- 2 WS-12-N multi-functional syringes, without lights, for dentist and assistant (autoclavable)
- Suction handpiece (spray-mist suction unit) with various fixtures and extensions (autoclavable)

■ Water element

- Cuspidor with automatic cup refill and optical cup-fill detection
- Hose flushing system for all water-conducting hoses (RKI 4/2006)
- Disinfection system for all water conduits (overnight)
- Sterapore microfilter system for fresh water and compressed-air supplies

■ Miscellaneous

- Standard accessories
- Silicon tray sheet

Health-Promoting Units

Spaceline EMCIA SMT / PdW

Configuration

■ Instruments (SMT version)

- Multi-functional syringe, optional with LED light
- Up to 2 micro motor connections including motor with LED light
- Up to 2 pneumatically driven instruments with halogen or LED light



Instruments within perfect reach

■ Instruments (PdW version)

- Multi-functional syringe, optional with LED light
- Up to 2 micro motor connections including motor with LED light
- Up to 2 pneumatically driven instruments with halogen or LED light
- LED curing light
- Ultrasonic scaler with LED light



Spaceline EMCIA PdW – with operator's element

Included in the purchase price:

- Initial training, for the whole surgery team, in the treatment concept developed by Dr. Daryl Beach (value: 1,500 Euros)
- Additional training after approximately 3 months (value: 1,500 Euros)

Health-Promoting Units

Spaceline EMCIA SMT / PdW

Spaceline EMCIA treatment unit

2604-SMT	Spaceline EMCIA SMT (with shoulder-mounted-tray) basic configuration	26.640,00 €
2604-PdW	Spaceline EMCIA PdW (PdW tray, operator's element) basic configuration	27.160,00 €

Optional instrumentation for Spaceline EMCIA

2602-110	First connection for pneumatically driven handpieces (such as turbines, air scalers and air motors) including DIN Midwest instrument hose, 4-holed with light (not including handpiece, not including quickrelease coupling)	3.269,00 €
2602-115	Second connection for pneumatically driven handpieces (such as turbines, air scalers and air motors) including DIN Midwest instrument hose, 4-holed with light (not including handpiece, not including quickrelease coupling)	2.558,00 €
2604-120	First micro motor connection: TR-SII-O-LD with LED light (without handpiece)	3.994,00 €
2604-125	Second micro motor connection: TR-SII-O-LD with LED light (without handpiece)	3.913,00 €
2604-130	LED-Curing light VL-61-CU-N, built-in version, only for PdW version	1.605,00 €
2604-135	Ultrasonic scaler (Solfy SC-3000-LD) with LED light	3.159,00 €
2604-160	Surcharge for multi-functional syringe (WS-10-O-LD) with LED light for dentist (instead of WS-12-N*1)	1.271,00 €

Health-Promoting Units

Spaceline EMCIA SMT / PdW

2604-165	Surcharge for multi-functional syringe (WS-10-O-LD) with LED light for dentist (instead of WS-12-N*1)	2.285,00 €
2604-240	Saliva ejector (autoclavable)	324,00 €
2604-260	Fully pivoting assistant's element with operator panel and small placement surface	963,00 €

Options for Spaceline EMCIA

2602-260	One-hand connector plugs for water and air on assistant's side instead of operator's side	0,00 €
2602-200	Spaceline EMCIA ORTHO with foldaway foot section (FT version)	2.889,00 €
2602-220	Armrest on operator's side (standard equipment in FT version)	481,00 €
2604-230	Double-jointed headrest for optimal patient positioning; mechanical inclination and length-setting	750,00 €
2604-235	Backrest upholstery of the Canopy type (only for SMT version)	0,00 €
2604-270	USB cable in instrument tray (only for PdW version)	149,00 €
2602-250	Tablet for PC mouse	216,00 €
2602-255	Tray for assistant(s)	169,00 €

Health-Promoting Units

Spaceline EMCIA SMT / PdW

Suction system and fresh water conditioning for Spaceline EMCIA

SL2604-310	Prepared for connection to the central dry suction unit, including automatic separating mechanism type Dürr CS 1 and also including position selection valve	1.207,00 €
2604-315	Prepared for connection to the central wet suction unit, including cuspidor valve and also including position selection valve	1.261,00 €
3010-330	Prepared for connection to the central dry suction unit, including amalgam separator (Dürr CAS 1 model, built-in version) and also including position selection valve	2.466,00 €
C55020025	Metasys WEK (EN1717) mounted in the foundation of the patient's chair (not possible with FT-type)	2.476,00 €

Operation light for Spaceline EMCIA

2604-210	LunaVue LD CL-30-U LED OP light (mounted on the treatment unit) with non-contact sensor	3.812,00 €
2602-213	Auto-light for OP light LunaVue LD	791,00 €
2604-215	Foldaway patient's mirror for LunaVue ED	215,00 €
2604-225	Small table on the light pole	213,00 €
2604-240	Monitor arm for standard LCD monitor, mounted on the light pole (not including monitor)	945,00 €
C9301851	Monitor: Eonis 22", MPA, white	1.730,00 €
C590-002	Back cover for Eonis, white	102,00 €

Health-Promoting Units

Spaceline EMCIA SMT / PdW

Accessories for Spaceline EMCIA

2600-003	Foot covering	45,50 €
2002	Spring-loaded gas-pressure operating stool (OSJ-1-N) for dentist and/or assistant	998,00 €
C560-10	FreeAction additional tray (Spaceline model), with silicon tray sheet, mounted on ceiling adapter with 500 mm pendant free-motion cable for a room height of approx. 2.50 m	3.923,00 €
C560-06	Surcharge for 900 mm free-motion cable for FreeAction additional tray for a room height of approx. 2.90 m	63,00 €
C560-07	Surcharge for 1.350 mm free-motion cable for FreeAction additional tray for a room height of approx. 3.35 m	132,00 €
C560-001	Surcharge for tray table for 2 standard trays for FreeAction additional tray, including silicon tray sheet	74,00 €

Tray-ZX – universal traytable

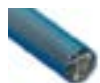
2900-100	ZX tray (25 x 34 cm) for installation on light pole Ø 47-57 mm	106,00 €
2900-101	Inlay-sheet for ZX tray	16,00 €
2900-110	Adapter for light pole Ø 35-46 mm	3,50 €

Health-Promoting Units

Spaceline EMCIA SMT / PdW

Accessories for the suction system

2079	Vacuum tip C for saliva-extractor hose	25,30 €
2080	Vacuum tip A-1N, 120°, curved with cross-filter	29,40 €
2081	Vacuum tip A-2N, 120°, curved without cross-filter	25,30 €
2082	Vacuum tip A-1, 90°, curved with cross-filter	29,40 €
2083	Vacuum tip A-2, 90°, curved without cross-filter	25,30 €
2084	Vacuum tip B, surgical, suitable for drain tube 2081/2083	23,30 €
2086	Rubber tip A for drain tube 2080/-81/-82/-83 (10 tips/pack)	35,90 €
2087	Rubber tip B for saliva-extractor drain-tube 2079/-88 (5 tips/pack)	23,30 €
2088	Vacuum tip C-N, saliva-extractor drain-tube adaptable directly to suction handpiece	23,30 €
2089	Vacuum tip B-N, surgical, adaptable directly to suction handpiece	29,40 €
2090	Saliva-extractor drain-tube C for saliva-extractor hose (2 tubes/pack)	51,60 €



Cross filter



Art.-No. 2080



Art.-No. 2082



Art.-No. 2083



Art.-No. 2084



Art.-No. 2088



Art.-No. 2089

Handpieces and Instruments

Perfection right down to the smallest detail – this is what distinguishes the handpieces and dental instruments made by Morita. Our specialists work on these instruments' development in collaboration with leading experts from all the individual areas of dentistry, combining the skills of all the dental sub-disciplines. The result: small, light, high-performance, ergonomic products which make easier even complex dental treatments. This applies to the entire product range, from the turbines along with the handpieces and contra angles, through the scalers, right up to the curing lights and hand instruments.



Handpieces and Instruments

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Turbines

TwinPower turbines



Precision and efficiency – only where these two things are ensured does a truly cost-effective cavity preparation become possible. Thanks to their patented Morita double-impeller rotor design, the handpieces of the TwinPower turbine series achieve the very highest performance across a broad range of different rotation speeds. Despite being air-driven, the performance data achieved by this turbine series come close to matching those typical of a high-speed electric motor handpiece and are such as certainly to meet the demands of any dental surgery in terms of permanent performance capacity. This is the case not only for the turbines with “normal-sized” heads but also for the turbines of the Ultra series, with their special “mini” instrument heads.

Turbines

TwinPower turbines

Advantages at a glance

- **Consistently high cutting power guaranteed**

The patented double-impeller rotor technology guarantees consistently highest-level performance even under high-load conditions, since this technology can deliver up to 50 % more torque than traditional turbines. TwinPower thus provides a consistently high cutting power with up to 25 watts.



Normal rotor

- **Direct view of the treatment area with the Ultramini turbine**

The small instrument heads not only allow a clear and direct view of the area the dentist is working on but also sufficient room for movement when applying treatment to molars. For this reason these turbines are particularly suitable for dental work on children and on older people, since both these age groups have difficulties opening their mouths very wide.



Double rotor

- **Relief of strain on hand and finger muscles**

The geometry of the turbines is designed to ensure that weight is evenly distributed, during the preparation of the tooth, throughout the hand of the practitioner. Strain-relief is also helped by the turbine's very light weight: less than 60 grams.



Direct view of the cavity thanks to small instrument head

Turbines

TwinPower turbines

■ Quick-stop: protective function during tooth preparation

Within two seconds of the dentist's releasing pressure on the foot control the TwinPower turbines cease operation cleanly and completely, without jolts or slowdowns. This means increased safety during tooth preparation and prevents the possibility of injuries to the patient's mouth.

■ Safety in respect of hygiene

The TwinPower turbines score in two respects on the hygiene front:

1. The "zero suck-back" effect prevents the intake of saliva, bacteria or blood into the air line, thus ensuring fully hygienic conditions.
2. The turbines can be prepared mechanically or manually, as the dentist prefers. The manual preparation of the turbine has been verified by an independent survey by the Dresden University.



■ Compatible with the following couplings

- Morita
- KaVo
- NSK
- Sirona
- W&H

Small. But powerful.
Unique. – The TwinPower turbine series

Turbines

TwinPower turbines

TwinPower turbine – turbine handpiece HX

2530	TwinPower turbine PAR-4HX-O with light	890,00 €
2530-100	TwinPower turbine PAR-4HX-O-KV with light	890,00 €
2530-200	TwinPower turbine PAR-4HX-O-SR with light	890,00 €
2530-300	TwinPower turbine PAR-4HX-O-WH with light	890,00 €
2530-400	TwinPower turbine PAR-4HX-O-NK with light	890,00 €

TwinPower turbine – turbine handpiece HEX 45°

2531-045	TwinPower turbine PAR-4HEX-O-45 with light, 45° inclination angle head	890,00 €
2531-145	TwinPower turbine PAR-4HEX-O-KV-45 with light, 45° inclination angle head	890,00 €

TwinPower turbine Ultra M (UMX)

2540	TwinPower turbine PAR-4UMX-O with light	890,00 €
2540-100	TwinPower turbine PAR-4UMX-O-KV with light	890,00 €
2540-200	TwinPower turbine PAR-4UMX-O-SR with light	890,00 €
2540-300	TwinPower turbine PAR-4UMX-O-WH with light	890,00 €
2540-400	TwinPower turbine PAR-4UMX-O-NK with light	890,00 €

TwinPower Turbine Ultra E (UEX)

2541	TwinPower turbine PAR-4UEX-O with light	890,00 €
2541-100	TwinPower turbine PAR-4UEX-O-KV with light	890,00 €
2541-200	TwinPower turbine PAR-4UEX-O-SR with light	890,00 €

Turbines

TwinPower turbines

2541-300	TwinPower turbine PAR-4UEX-O-WH with light	890,00 €
2541-400	TwinPower turbine PAR-4UEX-O-NK with light	890,00 €
TwinPower turbine – accessories		
2552	4-hole coupling (CP4-WO) with halogen light and water control	273,00 €
2552-010	4-hole coupling (CP4-WLD) with LED light and water control	475,50 €
N5811835	O-rings for coupling (CP4-WO/WLD)	23,30 €
2598	AR oil spray, 400 ml (1 pc.)	24,30 €
E7249365	Back-up halogen light, not for W&H	35,40 €
N5011575	Back-up LED, not for W&H	174,50 €
N5010862	Rotor cartridge for TwinPower turbine PAR-4HEX-O	283,00 €
N5010863	Rotor cartridge for TwinPower turbine PAR-4HX-O	283,00 €
N5010872	Rotor cartridge for TwinPower turbine PAR-4HMX-O	283,00 €
N5011147	Rotor assy for TwinPower turbine PAR-4HUEX-O	283,00 €
N5011148	Rotor assy for TwinPower turbine PAR-4HUMX-O	283,00 €
N5010293	Spray nozzle TwinPower PAR-4HX-O-KV	36,50 €
N5010295	Spray nozzle TwinPower PAR-4HX-O-WH	36,50 €

Turbines

TwinPower turbines

N5010297	Spray nozzle TwinPower PAR-4HX-O-SR	36,50 €
N5010299	Spray nozzle TwinPower PAR-4HX-O-NSK	36,50 €
N5010307	Spray nozzle TwinPower PAR-4HX-O	23,30 €

Specifications

Product name Type designation	TwinPower PAR-4HX-O	TwinPower PAR-4HEX-O	TwinPower PAR-4HEX-O-45
			
Output	25 W	22 W	20 W
Speed at 0.2 MPa	350,000 rpm ± 30,000 rpm	370,000 rpm ± 30,000 rpm	370,000 rpm ± 30,000 rpm
Head diameter	12 mm	10.5 mm	10.5 mm
Head height	13.2 mm	13.2 mm	13.2 mm
Weight*	48 – 57 g	48 – 57 g	53 – 59 g
Spray nozzles	3	3	3 (no tip air)
Rotor blades	40	36	36
Light	✓	✓	✓
Air curtain	Air curtain	Air curtain	Double air curtain
Coupling systems	Morita (Art. 2530) KaVo (Art. 2530-100) Sirona (Art. 2530-200) W&H (Art. 2530-300) NSK (Art. 2530-400)	Morita (Art. 2531) KaVo (Art. 2531-100) Sirona (Art. 2531-200) W&H (Art. 2531-300) NSK (Art. 2531-400)	Morita (Art. 2531-045) KaVo (Art. 2531-145)
Operating pressure	0.20 – 0.29 MPa		
Zero suck-back	✓	✓	✓
Quick stop	✓	✓	✓

* depending on the coupling system

Turbines

TwinPower turbines

Product name Type designation	TwinPower Ultra E PAR-4HUEX-O	TwinPower Ultra M PAR-4HUMX-O
		
Output	20 W	18 W
Speed at 0.2 MPa	370,000 rpm ± 30,000 rpm	370,000 rpm ± 30,000 rpm
Head diameter	9 mm	9 mm
Head height	12.7 mm	10.6 mm
Weight*	48 – 57 g	48 – 57 g
Spray nozzles	3	1
Rotor blades	36	40
Light	✓	✓
Air curtain	5 openings	3 openings
Coupling systems	Morita (Art. 2541) KaVo (Art. 2541-100) Sirona (Art. 2541-200) W&H (Art. 2541-300) NSK (Art. 2541-400)	Morita (Art. 2540) KaVo (Art. 2540-100) Sirona (Art. 2540-200) W&H (Art. 2540-300) NSK (Art. 2540-400)
Operating pres- sure	0.20 – 0.29 MPa	
Zero suck-back	✓	✓
Quick stop	✓	✓

* depending on the coupling system

Contra Angles / Attachments

TorqTech and Tokyo series

The straight handpieces and contra angles from Morita: they lie perfectly in the hand, are surprisingly compact and offer a surface feel and ease of manipulability which proves its worth in every treatment. These characteristics, combined with their extraordinary quality and extensive range, make them the instrument of preference for the whole of the modern dental profession.



Advantages at a glance

- **Flexible in their areas of application**
Depending on which requirements apply, the straight handpieces and contra angles are suitable for use, in combination with different work instruments, in the following areas:
 - Preparation
 - Prophylaxis
 - Endodontics
 - Stripping
 - Debonding
 - Finishing
 - Light technical tasks



Various instruments for different requirements

Contra Angles / Attachments

TorqTech and Tokyo series

■ Optimum visibility of the treatment area

The small instrument heads allow a good view of the treatment area and provide more freedom of movement when treating the patient. For this reason these handpieces are particularly suitable for dental work on children and on older people, since both these age groups have difficulties opening their mouths very wide.



Optimal access to teeth

■ Quality at its best

The straight handpieces and contra angles are distinguished by their extremely quiet running and high quality. Their ceramic surface also proves its worth during daily use, being easy to grip and very durable.



Contra angle handpiece easy to grip

■ Relief of strain on hand and finger muscles

Thanks to their unique and well-balanced design, the instruments lie easily in the hand and put minimal strain on muscles of hands and fingers.



High-quality chuck ensures maximum safety

■ Tips and drills held firmly in place

Thanks to the high-quality chuck the tips are always firmly anchored in the body of the instrument. This prevents any possibility of injury to the patient's mouth.



Glass-rod optical fiber for LED and halogen light sources

■ Everything clearly in view

The glass-rod optical fiber ensures bright illumination of the area being worked on and is equally suitable for both LED and halogen light sources.

Contra Angles / Attachments

TorqTech and Tokyo series

Straight handpieces and contra angles for micro motors

2430	TorqTech ST-DH straight handpiece, blue (1:1)	722,00 €
2440	TorqTech CA-DC-O contra angle handpiece, blue (1:1)	886,00 €
2450	TorqTech CA-5IF-O contra angle handpiece, red (1:5)	1.247,00 €
2421	TorqTech CA-10RC contra angle, green (10:1), without light	944,00 €
2420	TorqTech CA-10RC-O contra angle, green (10:1)	1.015,00 €
2460	TorqTech CA-10RC-Endo contra angle for Soaric treatment unit, green (10:1)	2.150,00 €
2415	TorqTech CA-4R-PP contra angle handpiece, green (4:1)	686,00 €
2410	TorqTech CA-4R-O-PF contra angle handpiece, green (4:1)	926,00 €
3100	Tokyo TS-1 straight handpiece, blue (1:1)	505,50 €
03110	Tokyo TCA-1 contra angle handpiece lower section and head, blue (1:1)	835,00 €
3110	Tokyo TCA-1 contra angle handpiece lower section, blue (1:1)	552,00 €
3115	Tokyo TCA-1 contra angle handpiece head, blue (1:1)	284,00 €
2498	LS oil spray for handpieces and contra angles of micro motors, 400 ml	24,30 €
N5071345	Spray nozzle for ISO handpiece	44,00 €

Contra Angles / Attachments

TorqTech and Tokyo series

Specifications

Model series TorqTech

Designation Type no.	Max. rpm Transmission ratio	Shaft Chuck type Light	Application	Length/Weight Head Ø x height	Instrument spray
CA-5IF-O Art. 2450	max. 210,000 rpm 1:5	FG shaft Ø: 1.6 mm Pushbutton Light guide	Preparation	94 mm l 68 g Ø: 9.5 mm x H: 14.0 mm	3-hole with spray filter
CA-DC-O Art. 2440	max. 42,000 rpm 1:1	RA shaft 2.35 mm Pushbutton Light guide	Preparation Prophylaxis	94 mm l 67 g Ø: 9.5 mm x H: 13.3 mm	1-hole with spray filter
ST-DH Art. 2430	max. 42,000 rpm 1:1	HP shaft 2.35 mm or RA shaft with spacer No light	Preparation Prophylaxis Light technical work	84 mm l 72 g –	1-hole
CA-10RC-ENDO Art. 2460	max. 2,000 rpm 10:1	RA shaft 2.35 mm Pushbutton No light	Endodontics (only Soaric)	94 mm l 55 g Ø: 9.3 mm x H: 12.7 mm	No spray

Contra Angles / Attachments

TorqTech and Tokyo series

Designation Type no.	Max. rpm Transmission ratio	Shaft Chuck type Light	Application	Length/Weight Head Ø x height	Instrument spray
CA-10RC Art. 2421	max. 4,200 rpm 10:1	RA shaft 2.35 mm Pushbutton No light	Preparation Endodontics Prophylaxis	94 mm l 69 g Ø: 8.0 mm x H: 13.0 mm	1-hole
CA-10RC-O Art. 2420	max. 4,200 rpm 10:1	RA shaft 2.35 mm Pushbutton Light guide	Preparation Endodontics Prophylaxis	94 mm l 67 g Ø: 8.0 mm x H: 13.0 mm	1-hole with spray filter
CA-4R-PP Art. 2415	max. 2,500 rpm 4:1	Screw-in shaft No light	Prophylaxis	94 mm l 67 g Ø: 8.0 mm x H: 8.5 mm	No spray
CA-4R-O-PF Art. 2410	max. 10,500 strokes per min. 4:1	EVA/Laminated shaft Light guide	Stripping Debonding Root planing Finishing Prophylaxis	94 mm l 67 g Ø: 7.8 mm x H: 9.1 mm	1-hole with spray filter

Contra Angles / Attachments

TorqTech and Tokyo series

Model series Tokyo

Designation Type no.	Max. rpm Transmission ratio	Shaft Chuck type Light	Application	Length/Weight Head Ø x height	Instrument spray
QL26B Art. 3115 	max. 36,900 rpm	RA shaft 2.35 mm Pushbutton	Preparation Prophylaxis (Head for US 121L)	– l 12 g Ø: 10.5 mm x H: 14.3 mm	–
US 121L Art. 3110 	max. 41,000 rpm	Light guide	(Lower section for QL26B)	– l 62 g –	1-hole
QL26B+US 121L Art. 03110 	max. 36,900 rpm 1:1	RA shaft 2.35 mm Pushbutton Light guide	Preparation Prophylaxis	90 mm l 74 g Ø: 10.5 mm x H: 14.3 mm	1-hole
ST 21U Art. 3100 	max. 41,000 rpm 1:1	HP shaft 2.35 mm or RA shaft with spacer No light	Preparation Prophylaxis Light technical work	80 mm l 70 g –	1-hole

Contra Angles / Attachments

Lubrina maintenance system

Lubrina cleaning and maintenance system for turbines, straight handpieces and contra angles

2595	Lubrina	2.174,00 €
Lubrina – accessories		
2595-100	E-coupling for micro motor handpiece	188,00 €
2595-110	4H-coupling for TwinPower turbine	188,00 €
2595-120	DP-coupling for DentaPort handpiece	188,00 €
2595-130	TR-ZX-coupling for TriAuto ZX handpiece	188,00 €
2595-150	K-coupling for KaVo turbine	188,00 €
2595-160	S-coupling for Sirona turbine	188,00 €
2595-170	WH-coupling for WH turbine	188,00 €
2595-200	AR/LS oil spray base for Morita AR/LS oil spray	71,80 €
2595-250	KN oil spray base for KaVo or NSK oil spray	71,80 €
2595-260	S oil spray base for Sirona oil spray	71,80 €
2595-270	B oil spray base for Bien Air oil spray	71,80 €
2595-400	Oil filter	9,50 €
2595-450	Tray-inlay sheet	9,60 €
2598	AR oil spray, 400 ml (1 pc.)	24,30 €
2498	LS oil spray, 400 ml (1 pc.)	24,30 €

Contra Angles / Attachments

Lubrina maintenance system

Lubrina – configuration:

- 1 Lubrina
- 2 E-Couplings (2595-100)
- 2 AR spray base (2595-200)
- 1 Oil filter (5 filters) (2595-400)
- 1 Tray-inlay sheet (1 sheet) (2595-450)



Efficiency that saves time and expense
With the Lubrina maintenance system up to four instruments can be cleaned and maintained in only 100 seconds

Motors

AirTorx air motor



Lightweight, compact, powerful and ergonomic: our micro and air motors provide the dentist with an essential precondition for treatment that is both gentle and effective – an important advantage gained for both him and his patients. The electrically driven micro motors are available only together with the treatment units.

Advantages at a glance

■ Effective support during treatment

The pneumatically driven AirTorx covers a rotation speed range of 5,000 to 20,000 rpm and, thanks to its high motor power, can effectively support the practitioner in all the following areas: grinding, prophylaxis, surgical treatment and extraoral applications.



AirTorx air motor

Motors

AirTorx air motor



AirTorx lies easily in the hand

- **Constant high performance, even under heavy loads**
The powerful torque ensures constantly high motor power during tooth preparation.
- **A worthwhile investment**
The high durability means that using the motors is a wise economic decision, since the instrument can continue to be employed over a long period of time without repairs being needed.
- **Light, perfectly balanced design**
The ergonomic design of the air motor reduces the strain on hand and finger muscles to a minimum – especially during longer treatment sessions.

- **Quiet and balanced working**
The quiet running of the motor has a positive effect on the course of the treatment. This particularly helps to relieve the anxieties of patients suffering from “dentist phobia”.
- **Compatibility**
with ISO handpieces and contra angles without light


Air motor

2560	Air motor AirTorx	824,00 €
2598	AR oil spray, 400 ml (1 pc.)	24,30 €

Motors

AirTorx air motor

Specifications

Product name	AirTorx
Type designation	TRA-200
	
Design	Pneumatic driven
Light source	No light
Speed range	100 – 40,000 rpm
Operation	Treatment unit operating panel and foot control, additional speed setting on handpiece Rotational direction selection on handpiece
Safety	Handpiece/contra angle locked in place by “Double Lock” to prevent unintentional release
Air and water supply lines	Integrated
Weight of the handpiece	75 g
Handpiece dimensions	Ø: 20.0 mm L: 54.0 mm
Adjustable torque	–
Integrated endo-function	–
Hygiene	Motor completely sterilizable and/or thermo-disinfectable
Compatibility	The motor can be connected without problem to the turbine connection of all treatment units All straight and contra angle handpieces with ISO connectors can be used.

Motors

Torx micro motors

Product name Type designation	Torx SII / SII-R TR-SII-O / TR-SII-R-O
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Design	Brushless, electric driven
Light source	Problem-free replaceable LED illuminant
Speed range	100 – 40,000 rpm
Operation	Treatment unit operating panel and foot control
Safety	Handpiece/contra angle locked in place mechanically to prevent unintentional release
Air and water supply lines	Integrated
Weight of the handpiece	68 g
Handpiece dimensions	Ø: 22.0 mm L: 42.0 mm
Adjustable torque	✓
Integrated endo-function	TR-SII-O: – TR-SII-R-O: measurement function, Auto Torque Control, Auto Apical Control
Hygiene	Motor casing removable and sterilizable and/or thermo-disinfectable
Compatibility	The following Morita treatment units are fitted with these micro motors: EMCIA UP: TR-SII-O Soaric TR-SII-O and/or TR-SII-R-O All straight and contra angle handpieces with ISO connectors can be used.

Motors

Torx micro motors

Product name Type designation	Torx TR-91 TR-91-O
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Design	Brushless, electric driven
Light source	Optional halogen or LED illuminant in plug-in socket
Speed range	100 – 40,000 rpm
Operation	Treatment unit operating panel and foot control
Safety	–
Air and water supply lines	Integrated
Weight of the handpiece	95 g
Handpiece dimensions	Ø: 22.0 mm L: 60.0 mm
Adjustable torque	–
Integrated endo-function	–
Hygiene	Motor casing removable and sterilizable and/or thermo-disinfectable
Compatibility	The following Morita treatment units are fitted with these micro motors: Signo Treffert Actus 101 All straight and contra angle handpieces with ISO connectors can be used.

Scaler

Air scaler / Ultrasonic scaler

Our scalers are designed directly to suit the everyday tasks of the working dentist and to meet the challenges posed by these tasks. They remove quickly and gently all the various forms of deposits accumulating on teeth, including plaque. Whether one prefers to opt for the air-driven AirSolfy scaler or for the SC-3000/3000-O-LD which works on an ultrasonic basis, both instruments have one important thing in common:

Thanks to their ease of handling they greatly simplify even the more complex steps in the dental treatment work. Whereas the air scaler can be integrated, using the coupling device that is also produced by Morita, into all units, the ultrasonic scalers are only available as built-in optional versions for the Soaric and Spaceline EMCIA treatment units. The ultrasonic scalers, however, also comprise a broad range of different ultrasonic tips.



0115_1

Scaler

Air scaler

Advantages at a glance

■ Broad area of application

The AirSolfy does not just clean the surfaces of the teeth and the spaces between them but the tongue as well. Besides the usual instruments for scaling and root planing Morita also places at the dentist's disposal sonic toothbrushes for comfortable interdental and gentle tongue cleaning.

■ A reliable instrument for effective treatment

With an oscillation frequency of 5,500-6,500 Hz, AirSolfy removes plaque, biofilm and other accretions with extreme precision, thus ensuring optimal hygienic conditions within the oral cavity.

■ Intensity of scaling action can be individually regulated for each medical application

Depending upon what is required, the dentist applying treatment can smoothly and precisely adjust the intensity of scaling action, directly on the handpiece, to: "intensive", "medium" or "light".

- "Intensive" for calculus removal
- "Medium" for interdental cleaning
- "Light" for removal of plaque-like tongue coating

■ Bright illumination of the working area

The halogen or LED light guarantees a clear view of the area the dentist is working on and thus ensures treatment comfortable for all.



AirSolfy – a range of function for perfect work

0115_1

Scaler

Air scaler



- **Broad selection of scaler tips**
for prophylaxis, endodontics and orthodontics
- **Compatibility**
 - **Air scaler**
is compatible with Morita turbine couplings
 - **Scaler tips**
are compatible with
 - KaVo
 - NSK
 - W&H
 - Komet

Configuration:

- 1 AirSolfty with light (2555)
- 1 Universal work tip S01 (2555-100)
- 1 Universal work tip S02 (2555-200)
- 1 Universal work tip S03 (2555-300)
- 1 Holder for interdental brushes (2555-900)
- 1 Interdental brushes SSS, 100 brushes (2555-910)
- 1 Rack for work tips (2555-990)
- 1 Work tips tool (2555-995)
- 1 Work tips cover (2555-999)

Scaler

Air scaler

AirSolfty – air scaler

2555	AirSolfty 4H with light AS-4H-O V	1.529,00 €
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Specifications

Product name	AirSolfty
Type designation	AS2-4H-O-V



Design/Technology/Drive	Air scaler
Description	Pneumatically driven handpiece for the removal of deposits and calculus
Oscillating frequency	5,500 – 6,500 Hz
Oscillating amplitude	max. 200 µm
Oscillating form	elliptical
Compatibility	<p>Compatible with all treatment units using Morita quick couplings CP4-WO or CP4-WLD</p> <p>The thread of the sound tips of nearly all air scalers also fits the air scalers from Morita</p>
Flexibility	Handpiece rotates freely through 360° on the coupling
Handpiece Ø	Ø: 15.0 mm
Handpiece length	L: 105.0 mm
Weight	65 g

Scaler

Air scaler

Product name Type designation		AirSolfy AS2-4H-O-V
Hygiene		Sterilizable (autoclaveable) Thermo-disinfectable Hygienic, ceramic-coated surface
Applications	Prophylaxis	<ul style="list-style-type: none"> ▪ Plaque removal ▪ Interdental care ▪ Tongue care
	Scaling	<ul style="list-style-type: none"> ▪ Calculus removal ▪ Periodontology (root planning)
	Endodontics	<ul style="list-style-type: none"> ▪ Root canal rinsing
Performance control		Step-free on handpiece and/or foot control
Operating modes		—
Control		Performance control on handpiece and by foot control of the treatment unit
Spray		Spray control on the quick connector and via the treatment unit
Number of tips		7 sound tips 2 brush holders 2 interdental brushes 1 tongue brush
Upgrade		Adaptable without problem to the Morita quick connector of the turbine connection of any random treatment unit. This makes it possible for a quick change from turbine to scaler by changing the handpiece.
Instrument light		Fiberglass light guide, exchangeable illuminant in the quick connector

Scaler

Air scaler tips

AirSolfy – air scaler tips and accessories		
2555-100	AirSolfy 4H universal work tip S01	85,00 €
2555-200	AirSolfy 4H universal work tip S02	85,00 €
2555-300	AirSolfy 4H universal work tip S03	85,00 €
2555-510	AirSolfy 4H universal work tip R01	98,00 €
2555-520	AirSolfy 4H universal work tip R02	98,00 €
2555-530	AirSolfy 4H universal work tip R03	98,00 €
2469-000	AirSolfy 4H Scorpion work tip	97,00 €
2555-900	AirSolfy holder for interdental brushes	129,50 €
2555-910	AirSolfy SSS interdental brushes (100 brushes)	44,50 €
2555-911	AirSolfy interdental brushes (100 brushes)	44,50 €
2555-990	AirSolfy rack for work tips	108,00 €
2555-995	AirSolfy work tips tool	119,30 €
2555-999	AirSolfy work tip cover	6,60 €
2466-910	Holder for tongue brushes	161,80 €
2466-920	Tongue brushes (30 brushes/pack)	24,30 €
2598	AR oil spray, 400 ml (1 pc.)	24,30 €

Scaler

Air scaler tips



Specifications

Air scaler tips




Designation Art. no.	Illustration	Application	Compatibility
Type S01 Art. 2555-100		Universal work tip for calculus removal	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type S02 Art. 2555-200		Universal work tip for calculus removal	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type S03 Art. 2555-300		Universal work tip for calculus removal	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type Scorpion Art. 2469-000		Universal work tip for calculus removal	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type R01 Art. 2555-510		Universal work tip for root planing	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type R02 Art. 2555-520		Universal work tip for root planing	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Type R03 Art. 2555-530		Universal work tip for root planing	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
Holder for interdental brushes Art. 2555-900		Interdental cleaning	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
100 interdental brushes Type SSS Art. 2555-910		Interdental cleaning	For brush holder Art. 2555-900
100 interdental brushes Type SS Art. 2555-911		Interdental cleaning	For brush holder Art. 2555-900

Scaler

Air scaler tips

Designation Art. no.	Illustration	Application	Compatibility
Holder for tongue brushes Art. 2466-910		Tongue cleaning	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
30 tongue brushes Art. 2466-920		Tongue cleaning	For tongue brush holders Art. 2466-910

Orthodontics

Designation Art. no.	Illustration	Application	Compatibility
Holder for interdental brushes Art. 2555-900		Cleaning of brackets	All standard air scalers (Morita, KaVo, Sirona, W&H, Komet, NSK)
100 interdental brushes Type SSS Art. 2555-910		Cleaning of brackets	For brush holder Art. 2555-900
100 interdental brushes Type SS Art. 2555-911		Cleaning of brackets	For brush holder Art. 2555-900

Scaler

Ultrasonic scaler

Morita's ultrasonic scaler is not only gentle on the patients. The practitioner too will experience a pleasant work atmosphere when using this instrument. The operator can control the oscillation of the ultrasonic scaler via various settings. When in "soft" mode the scaler stops automatically if the load becomes too high and ensures that the patient's treatment goes comfortably and pleasantly. In addition, the ultrasonic scaler features an adjustable spray function and, in the SC-3000-O-LD version, an LED light. Both versions are included in the stock of instruments coming with the Morita treatment units.

Specifications

Product name Type designation	Solfy LED SC-3000-O-LD	Solfy SC-3000
		
Design/Technology/Drive	Piezoelectric	Piezoelectric
Description	Built-in version with LED instrument light	Built-in version
Oscillating frequency	27 kHz ± 2 kHz	27 kHz ± 2 kHz
Oscillating amplitude	max. 200 µm	max. 200 µm
Oscillating form	linear	linear
Compatibility	For treatment units <ul style="list-style-type: none"> EMCIA UP Soaric 	For older models of Morita treatment units
Flexibility	–	–

Scaler

Ultrasonic scaler

Product name Type designation	Solfy LED SC-3000-O-LD	Solfy SC-3000
Handpiece Ø Handpiece length	Ø: 19.2 mm L: 129.0 mm	Ø: 19.2 mm L: 129.0 mm
Weight	55 g	45 g
Hygiene	Sterilizable (autoclaveable)	Sterilizable (autoclaveable)
Applications	Prophylaxis	<ul style="list-style-type: none"> Plaque removal Removal of subgingival plaque
	Scaling	<ul style="list-style-type: none"> Calculus removal Periodontology (root planing) Removal of subgingival calculus Rinsing/disinfection of periodontal pockets
	Endodontics	<ul style="list-style-type: none"> Root canal rinsing Removal of residue Planing of canal walls Root canal preparation Removal of tooth cement Removal of crowns Removal of pins Cleaning fissures Surgery
Performance control		<p>Via the Soaric operator panel:</p> <ul style="list-style-type: none"> 25 performance stages 4 performance ranges 3 operating modes <p>Via the EMCIA operator panel:</p> <ul style="list-style-type: none"> 15 performance stages 3 performance ranges <p>Autotuning Autopower</p>

Scaler

Ultrasonic scaler

Product name Type designation	Solfy LED SC-3000-O-LD	Solfy SC-3000
Operating modes	Soaric: Boost, scaling, endo, perio EMCIA: Root canal treatment, scaling, crown removal	Root canal treatment, scaling, crown removal
Control	Control on operator panel and by foot control of the treatment unit	Control on operator panel and by foot control of the treatment unit
Spray	Spray control on the treatment unit	Spray control on the treatment unit
Number of tips	8 ultrasonic tips 2 tip holders 5 attachments and tips 7 endo-files 1 rinsing adapter	8 ultrasonic tips 2 tip holders 5 attachments and tips 7 endo-files 1 rinsing adapter
Upgrade	–	–
Instrument light	Fiberglass light guide, exchangeable LED in the quick connector	–

Scaler

Ultrasonic scaler tips

Ultrasonic scaler tips and accessories for SC-3000 and SC-3000-O-LD		
2465-001	Solfy SC-3000 universal tip	91,50 €
2465-002	Solfy SC-3000 straight tip	91,50 €
2465-003	Solfy SC-3000 root canal tip	91,50 €
2465-005	Solfy SC-3000 round attachment (3 tips/pack)	76,90 €
2465-007	Solfy SC-3000 fissure tip (6 tips/pack)	21,20 €
2465-010	Solfy SC-3000 flat tip	91,50 €
2465-011	Solfy SC-3000 root planing tip R	91,50 €
2465-012	Solfy SC-3000 root planing tip L	91,50 €
2465-013	Solfy SC-3000 removal tip R3-1	91,50 €
2465-014	Solfy SC-3000 alveolus separation during extraction	270,00 €
2465-020	Solfy SC-3000 flushing attachment	55,10 €
2466-001	Solfy SC-3000 endo tip A	129,50 €
2466-002	Solfy SC-3000 endo tip B	129,50 €

Scaler

Ultrasonic scaler tips









2466-004	Solfy SC-3000 file #15 (6 files/pack)	21,30 €
2466-005	Solfy SC-3000 file #20 (6 files/pack)	21,30 €
2466-006	Solfy SC-3000 file #25 (6 files/pack)	21,30 €
2466-007	Solfy SC-3000 file #30 (6 files/pack)	21,30 €
2466-008	Solfy SC-3000 file #35 (6 files/pack)	21,30 €
2466-009	Solfy SC-3000 file #40 (6 files/pack)	21,30 €
2466-013	Solfy SC-3000 file #10 (6 files/pack)	21,30 €
2466-020	Solfy SC-3000 attachment	21,30 €
2466-030	Solfy SC-3000 diamond point L	91,50 €
2466-031	Solfy SC-3000 diamond point S	91,50 €
2466-995	Torque key SC-3000	130,50 €
N5011575	Back-up LED	174,50 €
E8711402	Tip tool	10,40 €
2466-996	Tool for fixing the files	3,80 €
2466	Set with endo tip A (105°)	155,70 €
2466-B	Set with endo tip B (90°)	155,70 €

Scaler

Ultrasonic scaler tips

Specifications






Ultrasonic tips for Morita ultrasonic scalers SC-3000/SC-3000-O-LD

Designation Art. no.	Illustration	Application
Universal tip Art. 2465-001		Removal of tooth cement, general calculus removal
Flat tip Art. 2465-010		General removal of large areas of calculus
Straight tip Art. 2465-002		Removal of tooth cement, general calculus removal
Root canal tip Art. 2465-003		Removal of tooth cement and residue from the root canal Planing root canal walls
Removal tip Art. 2465-013		Removal of crowns, pins or cement residue
Root planing tip R Art. 2465-011		Periodontology
Root planing tip L Art. 2465-012		Periodontology
Alveolus separation during extraction Art. 2465-014		Surgery



Scaler

Ultrasonic scaler tips

Various attachments for endo-tips A or B

Designation Art. no.	Illustration	Application
Solfy attachment Art. 2466-020		Cleaning small fissures, hollow spaces or grooves before sealing
Round attachment Art. 2465-005		Removal of subgingival calculus or plaque
Fissure tip (6 pcs./pack) Art. 2465-007		Cleaning fissures
Point L Art. 2466-030 diamond		Endodontics
Point S Art. 2466-031 diamond		Endodontics


Adapters for endo-files and other attachments

Designation Art. no.	Illustration	Application
Endo-tip A (120°) Art. 2466-001		Only to be used with ▪ Solfy U-files ▪ Solfy attachment ▪ Round attachment
Endo-tip B (90°) Art. 2466-002		Only to be used with ▪ Solfy U-files ▪ Solfy attachment ▪ Round attachment
Set with endo-tip A (105°) Art. 2466		Only to be used with ▪ Solfy U-files ▪ Solfy attachment ▪ Round attachment
Set with endo-tip B (90°) Art. 2466-B		Only to be used with ▪ Solfy U-files ▪ Solfy attachment ▪ Round attachment


Scaler

Ultrasonic scaler tips

Adapters for 24G rinsing cannulae

Designation Art. no.	Illustration	Application
Rinsing connector Art. 2465-020		Cleaning of periodontal pockets Root canal cleaning

Solfy U-file for endo-tip A or B

Designation Art. no.	Application Illustration	Designation Art. no.	ISO color marking
Solfy file range consisting of: 1 x ISO no. 15 1 x ISO no. 20 1 x ISO no. 25 1 x ISO no. 30 1 x ISO no. 35 1 x ISO no. 40	Verwendung mit ▪ Endospitze 105° ▪ Endospitze 90° 	Art. 2466-013, 6 x ISO no. 10	purple
		Art. 2466-013, 6 x ISO no. 15	white
		Art. 2466-013, 6 x ISO no. 20	yellow
		Art. 2466-013, 6 x ISO no. 25	red
		Art. 2466-013, 6 x ISO no. 30	blue
		Art. 2466-013, 6 x ISO no. 35	green
		Art. 2466-013, 6 x ISO no. 50	black

Curing Lights

PenCure



PenCure curing lights stand out by reason of their very impressive performance. They deliver extraordinary results within an extremely short time. This is ensured by the parallel light beams which bring a steady level of polymerizing power into all the strata of the dental composite applied.

Advantages at a glance

■ Guaranteed highest light intensity

The combination of a reflector with an aspherical lens ensures that PenCure's light beams are parallel, thus guaranteeing a constant high level of light intensity without scattering or spreading loss. This makes possible an even and thorough polymerization of all the different areas. Even when applied from a distance of 5 mm the light beam preserves its efficacy and cures dental composites reliably and to their full depth.



The parallel light beam guarantees highest light intensity right down to the deepest depths.

Curing Lights

PenCure

■ Short curing times

Whichever model of the PenCure light the user may opt for - the PenCure 2000 or the PenCure VL-7 - he can be sure that working with it will be highly cost-effective: the minimal times required for curing will shorten the treatment time as a whole - for both dentist and patient.

- PenCure 2000: 3 sec.
- PenCure VL-7: 10 - 20 sec. depending on the material

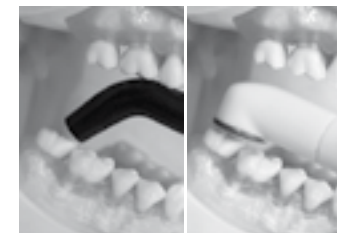


PenCure 2000

PenCure VL-7

■ Treatment becomes more pleasant for the patient

The LED light, though highly effective, generates barely any heat during the treatment. This has a positive effect on the patient, since he is aware of no change in temperature.



Direct access to the molars

■ More safety thanks to a clearer view

The PenCure's compact instrument head easily reaches the molar areas. Moreover, the head can be turned around, so that treatment applied within a restricted space is made easier and the light beam can be turned directly on the teeth.

■ Flexibility in treatment

By means of the timer display unit the practitioner can select the different modes appropriate for different forms of application. The PenCure 2000 offers the following possibilities:

- Standard mode: 10 or 20 sec.
- High-power mode: 2 or 3 sec.



Timer display built into handpiece

Curing Lights

PenCure



Standard head



Single-tooth bleaching head

- Pulse mode: 10 or 20 sec.
- Immediate-start mode: 10 or 20 sec.
- Single-tooth bleaching up to 5 min.

■ Modular options for PenCure 2000

The PenCure 2000 model makes available different heads to suit different types of treatment:

PenCure 2000 – LED curing light

6450	PenCure 2000 incl. standard head	1.523,00 €
PenCure 2000 – accessories		
6450-001	PenCure 2000 handpiece without head, without battery (1 pc.)	961,00 €
6450-010	PenCure 2000 standard head, 430-490 nm, 2,000 mW/cm ² (1 pc.)	913,00 €
6450-020	PenCure 2000 bleaching head, 380-490 nm, 1,000 mW/cm ² (1 pc.)	913,00 €
6450-080	PenCure 2000 lithium-ion battery (1 pc.)	307,50 €

Curing Lights

PenCure

6450-090	PenCure 2000 battery recharger (1 pc.)	566,00 €
6450-100	PenCure 2000 disposable handpiece covers (100 pcs./pack)	13,40 €
6905-007	Handpiece rest	14,70 €
6440-110	PenCure eye protector (1 pc.)	12,80 €

PenCure VL-7

6440	PenCure VL-7	997,00 €
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PenCure VL-7 – accessories

6440-100	PenCure VL-7 disposable handpiece covers (100 pcs./pack)	13,40 €
6440-010	PenCure VL-7 handpiece (1 pc.)	914,00 €
6440-020	PenCure VL-7 battery recharger (1 pc.)	222,50 €
6440-810	PenCure VL-7 power supply unit (1 pc.)	139,50 €
6440-820	PenCure VL-7 lithium-ion battery (1 pc.)	111,80 €
6905-007	Handpiece rest	14,70 €

Curing Lights

PenCure

Specifications

Product name Type designation	PenCure VL-7	PenCure 2000 VL-10	DentaPort LED-Modul DP-VL
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Optics	Even energy distribution right into the fringe areas		
	Bundled light ray with optical lens (no light guides)		
	Optics rotatable through 270°	Optics rotatable through 270° Exchangeable contra heads	Optics rotatable through 270° Exchangeable contra heads
	79 % light power remaining at distance of 5 mm	80 % light power remaining at distance of 5 mm	80 % light power remaining at distance of 5 mm
Operation/Display	Foil keys and LED display	Operator-friendly color LC display	Operator-friendly color LC display
Design	Cable-free handpiece with worktop charging station	Cable-free handpiece with worktop charging station Contact-free charging in worktop charging station	Cable-free handpiece as alternative version for Soaric Contact-free charging in instrument holder
Light source	Multi-segment LED		
Light-wave length range	420 – 480 nm	380 – 430 nm: Teeth whitening and hardening of light composites 430 – 490 nm: Hardening of standard composite	420 – 480 nm

Curing Lights

PenCure

Product name Type designation	PenCure VL-7	PenCure 2000 VL-10	DentaPort LED-Modul DP-VL
Light intensity	1,000 mW/cm ²	1,000/2,000 mW/cm ² selectable	1,000 mW/cm ²
Programs	None	4 programs: High power Normal mode Pulse mode Step mode	3 programmable memory slots
Exposure times	Integrated timer 10/20/40 sec.	Integrated timer 2/3/10/20 sec.	Integrated timer 5/10/15/20/25/30/ 35/40 sec. manual
Handpiece power supply	Lithium-ion battery can be changed without problem by dentist	Lithium-ion battery, can be changed without tools, contact-free charging	Corded Battery in worktop unit
Power saving	Auto-standby	Auto-standby	Auto-standby
Battery capacity	Approx. 60 lighting cycles à 20 sec.	Approx. 400 lighting cycles à 3 sec.	Approx. 180 lighting cycles à 20 sec.
Battery charge status display	LED	Multistage in the hand-piece display	Multistage in the hand-piece display
Weight of the handpiece	98 g incl. battery	198 g incl. battery	98 g incl. battery
Head dimensions	Ø: 15.0 mm H: 14.7 mm	Ø: 15.2 mm H: 14.7 mm	Ø: 15.5 mm H: 16.0 mm
Handpiece dimensions	Ø: 24 mm L: 199 mm	Ø: 25 mm L: 205 mm	Ø: 18 mm L: 165 mm
Integrated protection against overheating	Electronic	Electronic	Electronic
Hygiene	Disposable protective covers		
Extras	–	Exchangeable heads 380 – 430 nm and/or 430 – 490 nm	Exchangeable heads 380 – 430 nm and/or 430 – 490 nm

Hand Instruments

The oral cavity is a highly complex, and above all, a highly sensitive area of the body. It is all the more important, then, that the hand instruments of the dentist who works on it should function simply and precisely wherever they are applied. They should facilitate the dentist's work and give the best possible support to both diagnosis and therapy. This begins with ensuring the right ergonomic qualities but is far from ending just with the selection of appropriate materials. Morita puts instruments into the hands of the dentist that have been stripped as far as possible of all that is inessential: impractical design features have been eliminated; everything has been thought through so as to perfectly meet the concrete needs of actual day-to-day dentistry.

Hand Instruments

6000	Oral mirror designed according to Dr. Beach principles, complete (5 pcs./pack)	64,00 €
6005	Handle piece for Dr. Beach mirror	7,00 €
6010	Separate mirror section (10 pcs.s/pack)	69,00 €
6012	MXS oral mirror (5 pcs./pack)	109,00 €
6015	Forceps, B-type	42,50 €
6025	Probe 23 B-S	15,00 €
6031	Scaler No. 1 (Instrument length 13.2 mm)	31,00 €
6032	Scaler No. 2 (Instrument length 14.8 mm)	38,00 €
6033	Scaler No. 3 (Instrument length 14.6 mm)	38,00 €
6050	Amalgam carver B	39,50 €
6110	Periodontal probe FDI (CPITN-C)	23,80 €
6172	Extraction forceps (upper jaw)	223,00 €
6173	Extraction forceps (lower jaw)	223,00 €

Hand Instruments

Specifications

Product name Type designation	Oral mirror MXS Ultra-bright, front-mirrored Art. 6012	Probe 23-B-S Art. 6025	Periodontal probe FDI (CPITN-C) Art. 6110
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Description	<p>The metal surfaces are non-dazzling. The mirror is ultra-bright and surface-mirrored. The end of the handle is suitable for gauging endo-files.</p> <ul style="list-style-type: none"> ▪ Mirror diameter of only 14 mm ▪ Weight of only 4 g ▪ Instrument length: 16 cm 	<p>Increases tactility in the hard tissue, ideal for probing from the (Beach) 12 o'clock position.</p> <ul style="list-style-type: none"> ▪ Weight: 10 g ▪ Surface: non-dazzling ▪ Instrument length: 14.2 cm 	<p>Improves tactility in the soft tissue during pocket depth measures; WHO compliant.</p> <ul style="list-style-type: none"> ▪ Weight: 3 g ▪ Non-dazzling metal surface ▪ Instrument length: 13.1 cm
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Product name Type designation	Scaler No. 1 Art. 6031	Scaler No. 2 Art. 6032	Scaler No. 3 Art. 6033
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Description	<p>Work tips specially adapted to match the root form; designed for controlled finger movements during scaling.</p> <ul style="list-style-type: none"> ▪ Grip diameter: 5 mm ▪ Weight: 12 g ▪ Surface: non-dazzling ▪ Instrument length: 13.2 cm 	<ul style="list-style-type: none"> ▪ Grip diameter: 5 mm ▪ Weight: 13 g ▪ Surface: non-dazzling ▪ Instrument length: 14.8 cm 	<ul style="list-style-type: none"> ▪ Grip diameter: 5 mm ▪ Weight: 13 g ▪ Surface: non-dazzling ▪ Instrument length: 14.6 cm
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Hand Instruments

Product name Type designation	Forceps, B-type Art. 6015	Extraction forceps U (upper jaw) Art. 6172 Extraction forceps L (lower jaw) Art. 6173	Amalgam Carver B Art. 6050
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Description	Along with the normal forceps function, suitable for grasping round items such as paper tips, gutta percha tips etc.	Forceps specially adapted to match the root form; suitable for gentle extraction. Particularly designed for the Beach extraction method where the practitioner, sitting in the 12 o'clock position, can make the extraction with the patient lying down. Only one form for all teeth of the upper and lower jaws.	
	<ul style="list-style-type: none"> Weight: 21 g Surface: non-dazzling Instrument length: 16.1 cm 	<ul style="list-style-type: none"> Weight: 196 g Surface: non-dazzling Instrument length: 17.5 cm 	<ul style="list-style-type: none"> Grip diameter: 5 mm Weight: 15 g Surface: non-dazzling Instrument length: 16 cm

Endodontic Systems

There is nothing better than preserving the natural tooth as long as possible. In order to do this, modern dentistry has a whole range of technologies at its disposal – even when the root canal system of the tooth in question is very delicate and displays multiple curvatures. The apex locators manufactured by Morita enjoy an outstanding reputation worldwide. But there is more to come. Morita also offers a comprehensive range of ultra-precise systems designed to support endodontists throughout their preparation of every type of root canal.



Endodontic Systems

Apex Locators

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Combination Systems

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Apex Locators

Root ZX mini / DentaPort Root ZX

If the dentist knows the size and shape of the root canal right down to the micrometer, this gives his work a secure orientation and creates the ideal precondition for his actually reaching every micrometer of this canal. The many prizes awarded to our apex locators prove that they measure the length of the root canal reliably and with absolute precision.

Root ZX mini

Performance is not just a matter of figures. High-quality technology should be reflected also in modern design. The wish for such a fusion of design and technology has been made reality in the Root ZX mini.



Apex Locators

Root ZX mini

Advantages at a glance

■ Precise and reliable measuring results

Like its legendary predecessors, the Root ZX mini too measures the length of the root canal absolutely reliably, absolutely precisely, and quite independently of any flushing or rinsing fluids or blood which may be present in the canal.

■ Clearly readable display

The Root ZX mini's large LCD color display impresses by being so easily readable – with its clear bar and high-contrast image.

■ Safe and certain navigation in the root canal

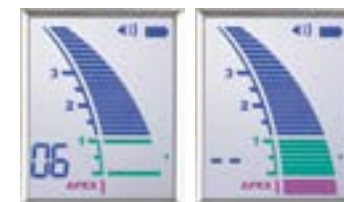
Via signal tones, the Root ZX mini informs the practitioner when he has penetrated to just before the canal apex or has already reached it.

■ Especially easy to handle

The compact and easy-to-handle design of the Root ZX mini means that the dentist is free to place it wherever in the surgery is most convenient for him/her.

■ Always immediately ready for use

The machine requires no zero balancing and therefore does not need to be reset for the measuring of each individual root canal.



An easy overview is ensured by the color bargraph display

Acoustic warning signals sound when "critical" area is reached



Measurement in compact format and in 4 different colors

Apex Locators

Root ZX mini

■ Automatic calibration

The auto-function makes it possible to achieve extreme precision and ensures that the measurement is never compromised by, for example, shifts in temperature or moisture in the root canal – even during treatment.

■ Instantly upgradable

Where required, the Root ZX mini can be connected up to the TriAuto mini endo motor (see p. 145 ff.). This allows the dentist not only to measure the root canal but also, at the same time, to carry out preparation work in it, along with offering other functions. (see p. 146)

Configuration:

- 1 root canal measuring device
- 1 “mini” probe cord (6951-001)
- 5 mucosal electrodes (6950-004)
- 3 file clamps (6950-005)
- 3 batteries
- 1 “mini” test plug (6951-012)

Root ZX mini

6951-110	Root ZX mini (white)	1.109,00 €
6951-120	Root ZX mini (red)	1.109,00 €
6951-130	Root ZX mini (blue)	1.109,00 €
6951-140	Root ZX mini (green)	1.109,00 €

Root ZX mini - accessories

6951-001	Probe cord	51,50 €
6951-012	Function tester	24,30 €
6950-004	Mucosal electrode (autoclavable)	14,80 €
6950-005	File clamps (autoclavable)	30,70 €

Apex Locators

DentaPort Root ZX

DentaPort Root ZX

If precision is what is demanded, the DentaPort Root ZX is an endometric system of the very first rank of excellence. It establishes its measuring results by means of the quotient method, whereby what is measured is the ratio of the impedances of two different frequencies.



Advantages at a glance

■ Precise and reliable measuring results

The DentaPort Root ZX delivers absolutely precise measurements, independently of any flushing or rinsing fluids or blood which may be present in the root canal.

■ Keeps the file position constantly in sight

The color display gives the dentist a clear



Easy overview of the treatment situation thanks to the bargraph display

Acoustic warning signals sound when “critical” area is reached

Apex Locators

DentaPort Root ZX

and exact image, at all times, of the position of the file in the root canal.

■ Safe navigation in the root canal

Via signal tones, the DentaPort Root ZX informs the practitioner when he has penetrated to just before the canal apex or has already reached it.

■ Light but stable casing

■ Instantly upgradable

Where required, the endodontic handpiece DentaPort TriAuto OTR can be connected up to the DentaPort Root ZX. This allows the dentist not only to measure the root canal but also, at the same time, to carry out preparation work in it, along with offering other functions.

(See p. 137 ff., DentaPort ZX Set OTR)

Configuration:

- 1 root canal measuring device (6900)
- 1 probe cord (6950-011)
- 5 mucosal electrodes (6950-004)
- 3 file clamps (6950-005)
- 3 batteries
- 1 Test plug (6960-012)

DentaPort Root ZX – apex locator

6900	DentaPort Root ZX	1.097,00 €
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DentaPort TriAuto OTR – endodontic preparation module for connection to the DentaPort Root ZX

6907	DentaPort TriAuto OTR (DP-TR3-OTR)	2.335,00 €
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Root ZX – accessories

6950-001	Probe cord for Root ZX (until sn. MB...)	51,50 €
6950-011	Root ZX CE probe cord (from sn. MC...)	51,50 €
6950-004	Mucosal electrode (autoclavable)	
6950-005	File clamps (autoclavable)	

Canal Preparation Systems

TriAuto mini



The TriAuto mini endodontic motor is, with its compact and well-engineered design, very small and very light. With this handpiece the dentist can work as subtly and sensitively as when using a manual file, while the device's numerous automatic functions see to it that its files do not block or break. The spare design also allows very good access to the molars, providing a clear view of the root canal openings and of the floor of the pulp chamber.

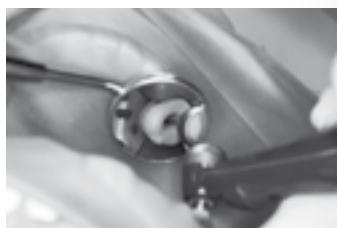
Canal Preparation Systems

TriAuto mini

Advantages at a glance

■ Comfortable and convenient preparation and optimal access to preparation area

With its compact dimensions and a head diameter of only 9 mm, the TriAuto mini can reach with especial precision the preparation area needing to be worked on.



Small head allows a clearer view into the cavity.

■ Automatic functions and settings

- Direction of rotation: forwards and backwards
- Torque Reverse: 9 different possible settings
- Automatic functions: Auto Torque Reverse and Auto Torque Slow-down

■ Wide speed range

11 different rpm settings, from 50 rpm right up to 1000 rpm

■ Easily readable LCD display – suitable also for the left-handed

The practitioner can easily read off scales, figures and letters from the clear and simple display screen. If the practitioner is left-handed, the display can also be reversed for their convenience.



Practical battery recharger



TriAuto mini lies comfortably in the hand



Also suitable for the left-handed

Canal Preparation Systems

TriAuto mini



Colored display backgrounds for different operation-modes

■ Background color informs the dentist about the current situation

The background color changes so as to tell the dentist when the torque has attained the previously-set limit-magnitude.

■ Programmable settings

Simple programming and selection of different possible combinations.

■ Modular system

Connecting the TriAuto mini up to the Root ZX mini via the data transfer cable makes certain additional safety functions available which can serve to avoid over-preparation (see p. 146)



Upgradable modular system

Configuration

- 1 handpiece, incl. contra angle handpiece (6970)
- 1 battery (6440-820)
- 1 battery recharger (6970-002)

TriAuto mini – endodontic motor

6970	TriAuto mini endo motor	1.361,00 €
06970	TriAuto mini PLUS endo motor	1.469,00 €
06970-006	Connection kit for connection to Root ZX mini	147,70 €

Canal Preparation Systems

TriAuto mini

6970-001	TriAuto mini contra angle handpiece	872,50 €
6970-002	Battery recharger for TriAuto mini	340,00 €
6970-003	Handpiece for TriAuto mini	839,00 €
6970-004	File electrode for TriAuto mini	49,50 €
6440-820	Lithium-ion battery for TriAuto mini	111,80 €
6970-006	Link cable for connection kit to Root ZX mini	99,10 €
6970-800	Power cord for TriAuto mini (230 V)	18,70 €
6970-900	Screwdriver for TriAuto mini (1 pc.)	6,30 €
6905-011	AR/LS spray diffuser for TriAuto mini	6,50 €
2498	LS oil spray, 400 ml (1 pc.)	24,30 €

Combination Systems

DentaPort ZX Set OTR / TriAuto ZX / Set TriAuto mini

Endodontic systems from Morita are masters of precision. The integrated units capable of simultaneously measuring and preparing the root canal were originally designed to meet the very highest demands in endodontics. And to this high standard these devices have remained true, through all their reconceptions and improvements, right up to the present day. The dentist using them in treatment can choose between cordless or cord-bound systems which all offer him a broad spectrum of different functions.

DentaPort ZX Set OTR

The greater the safety, the more diverse the possibilities: This principle basically proves its validity in the day-to-day work of dentists. The modular system for endometric determination, canal preparation and polymerization, DentaPort ZX Set OTR, offers even more safety – and, at the same time, efficiency, reliability and quality – for perfect endodontic treatments.



Combination Systems

DentaPort ZX Set OTR

Advantages at a glance

■ Gentle and safe root canal preparation with OTR

The new OTR function unites the advantages of the rotating and cyclical-reciprocating technologies: as long as the adjusted torque value is not exceeded, the motor rotates permanently and, hence, advances at an optimal rate. As soon as the pressure on the file permanently exceeds the set value during 180° rotation, the Torque Reverse will be activated and the rotation of the file will be reversed by 90° to release the instrument. Then the file will rotate in the cutting direction again. In this way, the device continuously controls the torque and responds with the correct direction of rotation.

■ Internal file electrode for more working length

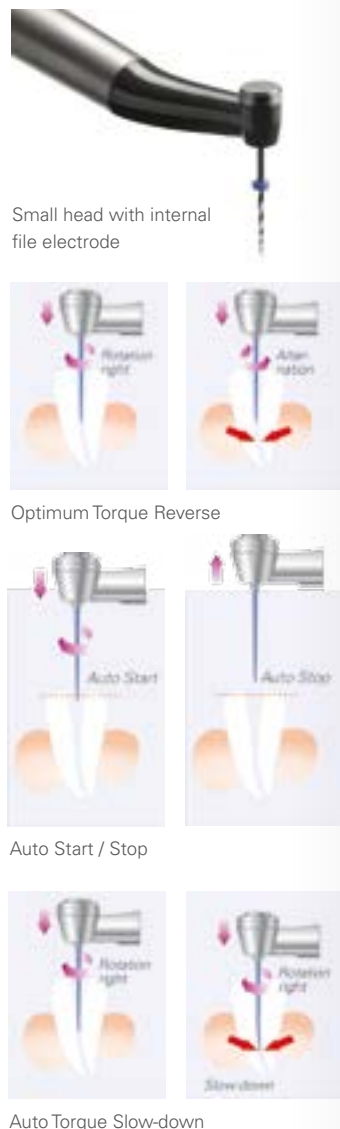
The new contra angle for the DentaPort exhibits a markedly smaller head diameter in comparison to the preliminary model and is fitted with a built-in file electrode. Thus the dentist receives more working length.

■ Precise and reliable measuring results

The DentaPort ZX Set OTR delivers precise measurement results, independently of any flushing or rinsing fluids or blood which may be present in the root canal.

■ Keeps the file position constantly in sight

The color display gives the practitioner a



Combination Systems

DentaPort ZX Set OTR

clear and exact image, at all times, of the position of the file in the root canal

■ Safe and certain navigation in the root canal

Via signal tones, the DentaPort Root ZX informs the practitioner when he has penetrated to just before the canal apex or has already reached it.

■ Safety functions – The right reaction at the right moment

- Up to 8 adjustable speed settings from 100 rpm up to 800 rpm
- Up to 11 torque settings for the activation of the automatic, torque-dependent reversal of rotational direction
- Auto Start/Stop when the files are introduced into the root canal or withdrawn from it
- Prevention of file breakage with the Auto Torque functions
- Active protection against over-instrumentation by the Apical Control functions

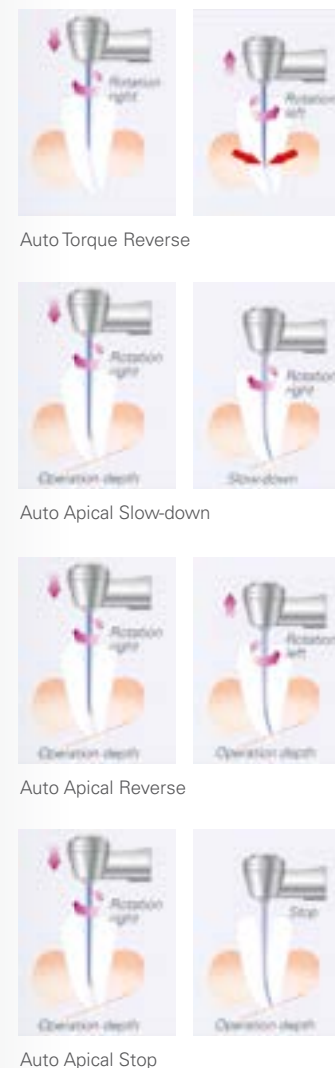
■ Programming of file profiles

with the help of 3 separate data storage spaces

■ Flexible application of file systems

For DentaPort ZX Set OTR, the practitioner can use all the nickel-titanium files usual in the profession. Our recommendation: The OTR Files (see p. 150)

■ Operation manually or by foot control



Combination Systems

DentaPort ZX Set OTR

Configuration

- 1 Apex locator DentaPort Root ZX (6900)
- 1 CE probe cord (6905-011)
- 5 Mucosal electrodes (6950-004)
- 3 File clamps (6950-005)
- 3 Batteries (AA)
- 1 Test plug (6960-012)
- 1 DentaPort TriAuto OTR (6907)
- 1 Battery recharger (6905-005)
- 1 Ni-MH battery (6905-006)
- 1 Contra angle handpiece with integrated file electrode (6907-001)
- 1 Micromotor (6905-003)
- 1 Handpiece rest (6905-007)
- 1 Handpiece cable (6905-004)
- 1 LS oil spray (2498)
- 1 Foot control (6905-008)

DentaPort ZX Set OTR

6912	DentaPort ZX Set OTR	3.360,00 €
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DentaPort ZX – options

6905-002	TriAuto ZX module micro motor 400 rpm, green ring	392,00 €
6905-008	Foot control TriAuto ZX module (with 1.40 m cable)	67,00 €
6905-018	Foot control TriAuto ZX module (with 2.40 m cable)	78,00 €
6906-001	DentaPort LED curing light (handpiece)	749,00 €
6440-100	Disposable protective covers for LED handpiece (100 pcs./pack)	13,40 €

Combination Systems

DentaPort ZX Set OTR

DentaPort ZX – accessories

6907-001	Contra angle DP-TR3 with internal file electrode	944,00 €
6905-001	Contra angle DP-TR2 with external file electrode	854,00 €
6905-003	TriAuto ZX module micro motor 800 rpm	391,00 €
6905-004	TriAuto ZX module handpiece cable	346,70 €
6905-005	Battery recharger TriAuto ZX module	88,00 €
6905-006	Battery (nickel-metal hydride), TriAuto ZX module	64,00 €
6905-007	Handpiece rest	14,70 €
6905-009*	Touch probe (autoclavable)	19,30 €
6907-011	Internal file electrode DP-TR3	49,50 €
6907-010	External file electrode DP-TR3	49,50 €
6905-010	External file electrode DP-TR2	49,50 €
2498	LS oil spray for attachments and contra angles of micro motors, 400 ml	24,30 €
6905-011	AR/LS spray nozzle, DentaPort ZX	6,50 €
6950-003	Saliva ejector clamp (white)	17,90 €
6950-004	Mucosal electrode (autoclavable)	14,80 €
6950-005	File clamp (autoclavable)	30,70 €
6950-011	Root ZX CE probe cord	51,50 €
6960-012	Test plug	18,00 €

* Accessories for all endodontic systems

Combination Systems

TriAuto ZX



The TriAuto ZX combines a cordless handpiece with an apex locator – for maximum flexibility of handling. The continuous supervision of the root canal during the preparation work is ensured by means of a reversible LED display built directly into the handpiece. This means that the operation of the system is safe and certain in every respect.

Advantages at a glance

- **Maximum flexibility thanks to the cordless handpiece**
- **The TriAuto ZX can be used in either automatic or manually guided mode**

- **Constant checking of file position**
The reversible LED display built into the handpiece allows the user to constantly keep an eye on the position of the file in the root canal.



Practical battery recharger

Combination Systems

TriAuto ZX

- **Safety functions prevent over-preparation**
 - Auto Start / Stop
 - Auto Torque Reverse
 - Auto Apical Reverse
 - Handpiece switches off automatically if it remains inactive for 3 minutes
- **Space-saving recharging station**



Save canal preparation with TriAuto ZX

Configuration

- 1 handpiece, incl. contra angle handpiece (6960-009 + 6960-001)
- 1 battery (6960-005)
- 1 battery recharger (230 V) (6960-002)
- 1 probe cord (6960-003)
- 3 file clamps (6950-005)
- 3 mucosal electrodes (6950-004)
- 1 saliva ejector clamp (6950-003)
- 1 test plug (6960-012)

TriAuto ZX (TR-ZX) – endodontic handpiece with measuring function

6960	TriAuto ZX (TR-ZX)	2.014,00 €
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TriAuto ZX (TR-ZX) – accessories

6960-001	Contra angle handpiece TriAuto ZX (autoclavable)	1.007,00 €
6960-002	Battery recharger as free-standing base, TriAuto ZX	387,50 €
6960-003	CE probe cord, TriAuto ZX	51,50 €

Combination Systems

TriAuto ZX

6960-004	File electrode TriAuto ZX	49,80 €
6960-005	Battery (nickel-metal hydride), TriAuto ZX	36,00 €
6960-012	Test plug TriAuto ZX	18,00 €
6960-007	AR/LS spray nozzle, TriAuto ZX	6,60 €
2498	LS oil spray, 400 ml (1 pc.)	24,30 €
6960-009	TriAuto ZX handpiece without battery, without contra angle handpiece	971,00 €
6960-010	Hygienic protective covers, TriAuto ZX (500 pcs./pack)	44,50 €

Combination Systems

Set TriAuto mini

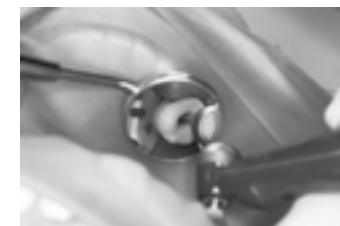


In combination with the apex locator Root ZX mini the practicing dentist is provided with a modular system which can be applied in a flexible way and which also both reliably measures the root canal and safely prepares it.

Advantages at a glance

■ Comfortable and convenient preparation and optimal access to preparation area

With its compact dimensions and a head diameter of only 9 mm, the TriAuto mini can reach with especial precision the preparation area needing to be worked on.



Direct view into the cavity

Combination Systems

Set TriAuto mini

■ Safety functions prevent over-preparation, misalignment of files, and injuries

- Direction of rotation: forwards and backwards
- Torque Reverse: 9 different possible settings
- Auto Torque Reverse
- Auto Torque Slow-down
- Auto Apical Reverse
- Auto Apical Stop
- Auto Start / Stop
- Auto Apical Slow-down

■ Wide speed range

11 different rpm settings, from 50 rpm right up to 1000 rpm

■ Easily readable LCD display – suitable also for the left-handed

The practitioner can easily read off scales, figures and letters from the clear and simple display screen. If the practitioner is left-handed, the display can also be reversed for their convenience.



High-performance endo motor



TriAuto mini lies comfortably in the hand



The display can also be adjusted for the better convenience of the left-handed

Combination Systems

Set TriAuto mini

■ Background color informs the practitioner about the current situation

The background color changes so as to tell the dentist when the torque has attained the previously-set limit-magnitude.

■ Programmable settings

Simple programming and selection of different possible combinations



Colored back light for different operating modes

Configuration

- 1 handpiece, incl. contra angle handpiece (6970-003 + 6970-001)
- 1 battery (6440-820)
- 1 battery recharger as free-standing base (230 V) (6970-002)
- 1 apex locator Root ZX mini
- 1 link cable for connection kit to Root ZX mini (06970-006)
- 1 probe cord (6951-001)
- 3 file clamps (6950-005)
- 5 mucosal electrodes (6950-004)
- 1 saliva ejector clamp (6950-003)
- 1 test plug (6951-012)

Set TriAuto mini

06970-110	Set TriAuto mini ZX (white)	2.417,00 €
06970-120	Set TriAuto mini ZX (red)	2.417,00 €
06970-130	Set TriAuto mini ZX (blue)	2.417,00 €
06970-140	Set TriAuto mini ZX (green)	2.417,00 €

Combination Systems

Set TriAuto mini

6970-001	TriAuto mini contra angle handpiece	872,50 €
6970-002	Battery recharger for TriAuto mini	340,00 €
6970-003	Handpiece for TriAuto mini	839,00 €
6970-004	File electrode for TriAuto mini	49,50 €
6440-820	Lithium-ion battery for TriAuto mini	111,70 €
6970-006	Link cable for connection kit to Root ZX mini	99,10 €
6970-800	Power cord for TriAuto mini (230 V)	18,70 €
6970-900	Screwdriver for TriAuto mini (1 pc.)	6,30 €
6905-011	AR/LS spray diffuser for TriAuto mini	6,50 €
2498	LS oil spray, 400 ml (1 pc.)	24,30 €

Files

EndoWave / ZX System File Set

The dentist who aspires to make his mechanical root canal preparation more efficient and of higher quality has a decisive reason for choosing the nickel-titanium file systems made by Morita.

Thanks to the flexible way in which these files have been alloyed they are able to adapt and adjust to all the various different forms and shapes of canal.

The risks resulting from root canal aberrations are thus reduced and even curved root canals can be reliably prepared.

EndoWave

The EndoWave file system is based on the "crown down" technique and, with its five files which all vary in diameter, length and taper ratio, ideally well-prepared to facilitate high-quality root canal preparation. With the Hybrid Concept version and the OTR File Kit, the dentist needs at maximum three files and is thus able to carry out his preparation work even more cost-efficiently and faster.



Files

EndoWave

Advantages at a glance

■ Highly cost-efficient

- Preparation with 5 files (Kit A+ and B+); in the Hybrid Concept and OTR File Kit with only 3 files
- Rapid and safe working with higher rotation speeds
- The triangular form of the files ensures sharp cutting edges which quickly and efficiently clear out the root canal.

■ The efficient way of preparation - with the OTR File Kit

The EndoWave OTR filing sequence is converted specifically for the innovative Optimum Torque Function (OTR) and is therefore suitable for fast and safe root canal preparation. With only a maximum of three files the practitioner prepares efficiently and removes the debris in a short time.



OTR File Kit - optimized for the DentaPort ZX Set OTR

Files

EndoWave

■ Safety and certainty in the root canal

- The EndoWave files have a rounded-off file tip which perfectly follows the course of the canal and prevents both perforation and "zipping".
- No ledge formation in narrow and curved canals
- The "continuous wave design" prevents file misalignments and blockages in the root canal.
- Reduction to a minimum of incidence of instrument breakage thanks to the flexible alloying of the files

■ Widening of the coronal part of the root canal with the MGP kit

Using the EndoWave mechanical glide path files, it is easy to mechanically either prepare or widen the coronal part of the root canal. During such operations the instruments can run at speeds as high as 800 rpm.

■ Compatibility

The EndoWave file systems are suitable for use both with the Morita systems DentaPort ZX Set OTR and TriAuto mini and with all other rotary file systems currently on the market.



Sharp cutting edges for efficient preparation



MGP kit for creating the mechanical glide path

Files

EndoWave

EndoWave Kit A+-25 for normal root canals

6820-225	EndoWave Kit A+-25 for normal root canals (5 pcs./pack)	48,00 €
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EndoWave Kit A+-31 for normal root canals

6820-231	EndoWave Kit A+-31 for normal root canals (5 pcs./pack)	48,00 €
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EndoWave Kit B+-25 for narrow and markedly curved root canals

6820-325	EndoWave Kit B+-25 for narrow and markedly curved root canals (5 pcs./pack)	46,00 €
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EndoWave Kit B+-31 for narrow and markedly curved root canals

6820-331	EndoWave Kit B+-31 for narrow and markedly curved root canals (5 pcs./pack)	46,00 €
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EndoWave MGP "Mechanical Glide Path" Kit ◆

6820-002	EndoWave MGP "Mechanical Glide Path" Kit (3 pcs./pack)	30,00 €
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EndoWave Hybrid Concept-25 ◆

6820-425	EndoWave Hybrid Concept-25 (3 pcs./pack)	34,00 €
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EndoWave Hybrid Concept-31 ◆

6820-431	EndoWave Hybrid Concept-31 (3 pcs./pack)	34,00 €
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Files

EndoWave

EndoWave OTR ◆

6820-300	EndoWave OTR Sequence-25 (3 pcs./pack)	29,60 €
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EndoWave NiTi Files – single files

6820-835	EndoWave nickel-titanium file 8/#35/19 mm (5 pcs./pack) ◆◆	57,00 €
6821-215	EndoWave nickel-titanium file 2/#15/21 mm (5 pcs./pack)	46,00 €
6821-220	EndoWave nickel-titanium file 2/#20/21 mm (5 pcs./pack)	46,00 €
6821-225	EndoWave nickel-titanium file 2/#25/21 mm (5 pcs./pack)	46,00 €
6821-425	EndoWave nickel-titanium file 4/#25/21 mm (5 pcs./pack)	46,00 €
6821-620	EndoWave nickel-titanium file 6/#20/21 mm (5 pcs./pack)	46,00 €
6821-625	EndoWave nickel-titanium file 6/#25/21 mm (5 pcs./pack)	46,00 €
6821-630	EndoWave nickel-titanium file 6/#30/21 mm (5 pcs./pack)	46,00 €
6825-210	EndoWave nickel-titanium file 2/#10/25 mm (5 pcs./pack) ◆	46,00 €
6825-215	EndoWave nickel-titanium file 2/#15/25 mm (5 pcs./pack) ◆	46,00 €
6825-220	EndoWave nickel-titanium file 2/#20/25 mm (5 pcs./pack)	46,00 €

Files

EndoWave

6825-225	EndoWave nickel-titanium file 2/#25/25 mm (5 pcs./pack) ◆	46,00 €
6825-230	EndoWave nickel-titanium file 2/#30/25 mm (5 pcs./pack)	46,00 €
6825-235	EndoWave nickel-titanium file 2/#35/25 mm (5 pcs./pack)	46,00 €
6825-240	EndoWave nickel-titanium file 2/#40/25 mm (5 pcs./pack) ◆	46,00 €
6825-245	EndoWave nickel-titanium file 2/#45/25 mm (5 pcs./pack)	46,00 €
6825-250	EndoWave nickel-titanium file 2/#50/25 mm (5 pcs./pack)	46,00 €
6825-255	EndoWave nickel-titanium file 2/#55/25 mm (5 pcs./pack)	46,00 €
6825-415	EndoWave nickel-titanium file 4/#15/25 mm (5 pcs./pack) ◆	46,00 €
6825-420	EndoWave nickel-titanium file 4/#20/25 mm (5 pcs./pack)	46,00 €
6825-425	EndoWave nickel-titanium file 4/#25/25 mm (5 pcs./pack) ◆	46,00 €
6825-430	EndoWave nickel-titanium file 4/#30/25 mm (5 pcs./pack)	46,00 €
6825-435	EndoWave nickel-titanium file 4/#35/25 mm (5 pcs./pack)	46,00 €
6825-440	EndoWave nickel-titanium file 4/#40/25 mm (5 pcs./pack)	46,00 €
6825-620	EndoWave nickel-titanium file 6/#20/25 mm (5 pcs./pack) ◆	46,00 €

Files

EndoWave

6825-625	EndoWave nickel-titanium file 6/#25/25 mm (5 pcs./pack) ◆	46,00 €
6825-630	EndoWave nickel-titanium file 6/#30/25 mm (5 pcs./pack)	46,00 €
6825-640	EndoWave nickel-titanium file 6/#40/25 mm (5 pcs./pack)	46,00 €
6831-220	EndoWave nickel-titanium file 2/#20/31 mm (5 pcs./pack)	46,00 €
6831-225	EndoWave nickel-titanium file 2/#25/31 mm (5 pcs./pack)	46,00 €
6831-415	EndoWave nickel-titanium file 4/#15/31 mm (5 pcs./pack)	46,00 €
6831-420	EndoWave nickel-titanium file 4/#20/31 mm (5 pcs./pack)	46,00 €
6831-425	EndoWave nickel-titanium file 4/#25/31 mm (5 pcs./pack)	46,00 €
6831-430	EndoWave nickel-titanium file 4/#30/31 mm (5 pcs./pack)	46,00 €
6831-620	EndoWave nickel-titanium file 6/#20/31 mm (5 pcs./pack) ◆	46,00 €
6831-625	EndoWave nickel-titanium file 6/#25/31 mm (5 pcs./pack) ◆	46,00 €
6831-630	EndoWave nickel-titanium file 6/#30/31 mm (5 pcs./pack)	46,00 €
6831-640	EndoWave nickel-titanium file 6/#40/31 mm (5 pcs./pack)	46,00 €

Files

ZX-System File Set



The ZX-System File Set provides the most excellent support for endodontic treatment: the S-shaped cross-section and the robust materials they are made from significantly reduce the danger of a fracture in the canal. Preparation work can thus be carried out safely and comfortably even in narrow or markedly curved root canals.

Advantages at a glance

- **Highly cost-effective**
 - Preparation with different file sets
 - Coronal Set
 - Apical Set
 - Rapid and safe working
 - The cutting edges, with their 90° angle to the dentin, ensure a rapid and efficient application of the dental instruments to the root canal.

Files

ZX-System File Set

- **Safety and certainty in the root canal**
 - The non-cutting blade-tip minimizes the risk of perforation and "zipping", thus making it possible to work even in narrow or markedly curved root canals.
 - No ledge formation in narrow and curved canals
 - The S-shaped cross-section along with the instruments' robust structural core increases the files' stability and significantly reduces the risk of file breakage.
- Reduction to a minimum of incidence of instrument breakage thanks to the flexible alloying of the files
- **Compatibility**
 - The ZX file system is the ideal combination for mechanical root canal preparation with the TriAuto ZX.

Nickel-Titanium File ZX System "Coronal Set" ●		
6812	ZX system nickel-titanium file "Coronal Set" (3 pcs./pack)	21,00 €
Nickel-Titanium File ZX System "Apical Set" ●		
6814	ZX system nickel-titanium file "Apical Set" (4 pcs./pack)	29,00 €
Nickel-Titanium Files ZX – individual files for specific pack-content, please note the colored markings on the packs.		
6811-123	ZX system nickel-titanium file 12/#30/17 mm (6 pcs./pack) ●	44,00 €
6812-630	ZX system nickel-titanium file 6/#30/23 mm (6 pcs./pack) ●	44,00 €
6812-830	ZX system nickel-titanium file 8/#30/23 mm (6 pcs./pack) ●	44,00 €

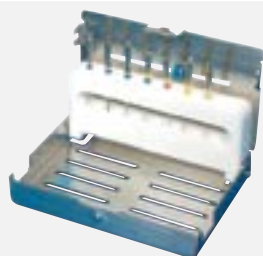
Files

ZX-System File Set

6814-220	ZX system nickel-titanium file 2/#20/23 mm (6 pcs./pack)	44,00 €
6814-420	ZX system nickel-titanium file 2/#20/23 mm (6 pcs./pack)	44,00 €
6814-425	ZX system nickel-titanium file 4/#25/23 mm (6 pcs./pack)	44,00 €
6814-430	ZX system nickel-titanium file 4/#30/23 mm (6 pcs./pack)	44,00 €
6816-220	ZX system nickel-titanium file 2/#20/29 mm (6 pcs./pack)	44,00 €
6816-420	ZX system nickel-titanium file 4/#20/29 mm (6 pcs./pack)	44,00 €
6816-425	ZX system nickel-titanium file 4/#25/29 mm (6 pcs./pack)	44,00 €
6816-430	ZX system nickel-titanium file 4/#30/29 mm (6 pcs./pack)	44,00 €

EndoBox ZX

6890	EndoBox ZX	61,00 €
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Material

EDTA Gel / composites / injection syringes

The success of a root canal treatment is also a result of making the right choice of materials for use in the root canal. From amongst the wide range of materials available on the market we have selected for the dentist just those materials which are especially well suited to being used with our systems.

EDTA-Gel

EndoWave gel makes widening of the root canal significantly easier by improving the gliding of the instruments. This not only leads to more effective root canal preparation; the gel also contributes, thanks to its foam-forming properties, to improving the cleaning of the root canal.



EndoWave Gel

7470	EndoWave gel, syringe, 3 ml	23,00 €
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Material

Composites



If, after preparation, the next step that is dentally indicated is a core build-up or the insertion of a root post, the hybrid composite CromaCore is available for these purposes. With CromaCore, even deep cavities can be filled simply, quickly and reliably in a single work-step. The combination of light curing and chemical curing ensures that the ideal degree of curing is always achieved.

Advantages at a glance

- **Short treatment times**
- **Excellent flow properties**
- **Gentle on the substance of the teeth**
- **Low-risk**
- **Attains, after curing, a high degree of hardness**

Like natural dentin itself, this material can be very easily shaped and filed and displays a high degree of pressure-resistance and stability.



Root-filled molar



After application of a bonding agent CromaCore is applied directly into the cavity.

Material

Composites

CromaCore – dual curing flowable hybrid composite for core build-ups

7460	CromaCore Set, dual curing, flowable hybride composite	112,00 €
7460-500	CromaCore mixing cannulae (50 pcs.)	39,00 €
7460-600	CromaCore intraoral tips (100 pcs.)	39,00 €
7460-900	CromaCore dispenser	45,00 €

CromaCore Twix – dual curing flowable hybrid composite for core build-ups

7461	CromaCore Twix	45,00 €
7461-500	CromaCore Twix refill set (50 mixing cannulae)	38,00 €

Material

Injection needles



All dentists want to deliver treatment of the very highest quality – and Morita have taken this aspiration very seriously. Our injection needles are easy to handle and ensure that the patient feels as little discomfort as possible during treatment.

Advantages at a glance

- **Precise working**
The tapering of the syringe on the injection and cylinder side prevents any blocking of the syringe opening by particles of rubber and minimizes the discomfort felt by the patient.
- **Easy to handle**
The color-coded seal on the syringe-cover and on the packs makes it easy to sort and apply the syringes without the least delay.
- **Safe and sure injection**
The point-marking on the coupling piece makes it possible to precisely gauge and adjust the direction of the injection. This means that the dentist or his assistant can work much more carefully and exactly.

Material

Injection needles

Needles – disposable injection needles		
7710	Morita needles, 30 GL-25 0.3 x 25 mm (100 pcs./pack)	12,00 €
7711	Morita needles, 30 GS-21 0.3 x 21 mm (100 pcs./pack)	12,00 €
7712	Morita needles, 30 GS-16 0.3 x 16 mm (100 pcs./pack)	12,00 €
7713	Morita needles, 30 GS-12 0.3 x 12 mm (100 pcs./pack)	12,00 €
7716	Morita needles, 27 GS-21 0.4 x 21 mm (100 pcs./pack)	12,00 €
7717	Morita needles, 27 GL-35 0.4 x 35 mm (100 pcs./pack)	12,00 €
7711-100	Morita needles „inch“, 30 GS-21 0.3 x 21 mm (100 pcs./pack)	12,00 €
7717-100	Morita needles „inch“, 27 GL-35 0.4 x 35 mm (100 pcs./pack)	12,00 €



Laser Equipment

With more than 60 years' experience in the dental market, Morita is able to offer with its AdvErL Evo a highly sophisticated system which supports the profitability and efficiency of dental practices in a wide variety of ways. From periodontics, through implantology to peri-implantitis or endodontics – Erb:YAG lasers have a large performance range. Morita offers a solution for this wide range of indications: An Erb:YAG laser which is impressive not only because of its performance data. The design of the handpiece, the innovative and patented tips and the intuitive operation ensure safe and harmonious integration into the therapy concepts of the practice.



Laser Equipment

AdvErL Evo

Coming
soon





Laboratory Devices

In the dental lab area, we concentrate on optimizing the mixing of laboratory materials. Our know-how about the relevant materials, derived from the field of dental medicine, works very much to our advantage here and can be very usefully applied to the dental lab area. Besides mixing systems, our range of products also includes dental articulators and denture-base resins.



Laboratory Devices

Vacuum mixer	168
Articulator	170
Metal bonding resin	171

Laboratory Devices

Vacuum mixer



With its tried-and-tested vacuum-injector technology the VM-113 works highly reliably and malfunction-free. Its appeal is based on its simple and rapid operating concept. With the help of the E+-shaped mixing paddles it is able to achieve excellent mixing results.

Advantages at a glance

- **Reliable vacuum-injector technology**
- **Mixing results of the very highest quality**
- **Extremely user-friendly operating concept**

Laboratory Devices

Vacuum mixer

VM-113 – vacuum mixer

4004	Vacuum mixer VM-113, incl. 1 mixing bowl M (Art. 4020)	900,00 €
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Accessories for vacuum mixer

4010	Mixing bowl complete S (130 ml), small size (8 x 7 cm)	91,00 €
4020	Mixing bowl complete M (260 ml), medium size (10 x 8 cm)	101,00 €
4030	Mixing bowl complete L (670 ml), large size (12 x 12 cm)	115,00 €
4060	Mixing bowl AG (for alginate impression materials)	79,00 €
4043	Free-standing table-tripod for VM-113	218,00 €

Laboratory Devices

Articulator



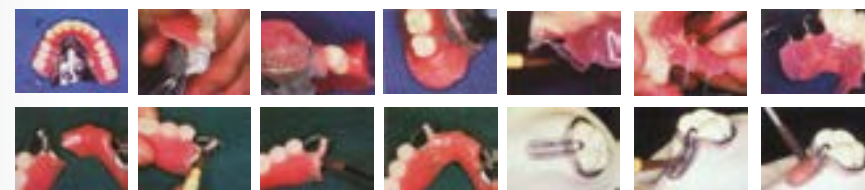
The articulator, with its individually adjustable upper section, provides ideal support for both dental technology and dental medicine and meets the demands of both lab and surgery.

Articulator

5103	MK-2 Articulator, plaster-free securing of model	352,00 €
5130	YSB Articulator, "quadrant" model tray, metal articulator with condylar-path guidance capability	116,00 €
5055	Model plate, thick (10 pcs./pack)	58,00 €
5060	Model plate, thin (10 pcs./pack)	64,00 €

Laboratory Devices

Metal bonding resin



The denture base resin enhances bond-strength and prevents gaps forming between the metals and the synthetics. FAST BONDING LINER is used as a primer. It contains a metal-adhesive monomer (4-META) which ensures good bonding between base metals and denture base resins containing MMA or PMMA.

Advantages at a glance

- **META FAST BONDING LINER is a single-component liquid and therefore easy to use.**
- **It can be quickly and uncomplicatedly applied using a small brush.**

MF RESIN/META FAST – metal bonding resin

7390	Meta Fast Plastics Primer, 7 ml	65,00 €
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Orders



Orders

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Orders by fax : _____

When ordering by fax, please use the following form as a template.

The prices given are net prices to which there must be added whatever rate of VAT shall be legally applicable at the time of the order. There shall apply the General Terms and Conditions of Business of J. Morita Europe GmbH. These General Terms and Conditions can be viewed or downloaded online at www.morita.com/europe. Our products are sold exclusively via the authorized specialist dealers in medical goods and equipment. We request, therefore, that you send your orders directly to the specialist dealer of your choice.

Item	Order No.	Designation	Quantity	Price
1				
2				
3				
4				
5				
6				
7				
8				

Order No.

Customer No.

Date _____

Name

Signature

Address for delivery

J. Morita Europe GmbH
Justus-von-Liebig-Str. 27a
63128 Dietzenbach, Germany

T +49. 6074. 836 0

F +49. 6074. 836 160

Telephone:

Fax:

E-mail:

info@morita.de

www.morita.com/europe

Notes

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Diagnostic and Imaging Equipment



Treatment Units



Handpieces and Instruments



Endodontic Systems



Laser Equipment



Laboratory Devices



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