



VI TECHNICAL CHARACTERISTICS

3.Lazerio tipas CO2 lazeris

CO2 LASER GENERATOR

WAVELENGTH 4. Lazerio bangos ilgis	→10600nm(±10%) (infra-red far ray)
CO2 tube POWER	40W
MAXIMUM ACCESSIBLE POWER	40W in CW
OUTPUT POWER RANGE	
CW, Pulse:	1 to 30W (±20%)
Fine Pulse:	190 to 300W (±20%)
Super Pulse:	145 to 175W (±20%)
STABILITY	±15%
DIVERGENCE AT THE CO2 TUBE LASER OUTPUT	0.03°
NOMINAL OCULAR HAZARD DISTANCE (N.O.H.D)	1.5m
MAXIMUM PERMISSIBLE EXPOSURE (M.P.E)	9960mJ cm^{-2} at the cornea 100mW cm^{-2} at the skin
STRUCTURE OF THE MODE	TEM00
LASER CONFIGURATION	Sealed-off CO2 tube
ESTIMATED LIFESPAN OF THE TUBE	1000 hours
MODE OF EXCITATION	High voltage
MODE OF EXPOSURE	
CW, Pulse:	2.5ms to 500ms
Fine Pulse:	0.1ms to 0.9ms
Super Pulse:	1.0ms to 2.4ms
RAY TRANSMISSION SYSTEM	Arm with 7 articulated joint. ←

9. Šarnyrinė ranka su 7 šarnyrais

8. Pagalbinis spindulys

AIMING BEAM (SEMICONDUCTOR LASER DIODE) Mažiau nei 5mW, reguliuojamas

POWER	Less than 5mW (adjustable) ←
WAVELENGTH	635 - 650nm (visible)
CONTROL FUNCTION	Between 0 and 100%, in 10 steps

OPERATING AND CONTROL

LASER EMISSION	Foot-switch
INDICATION DISPLAY 11.Ekranas	Colour touchscreen 8.5in Spalvotas 8.5 colio
CONTROL OF LASER OUTPUT	Foot-Switch, Ready, Switch key, Emergency stop button.
DISPLAY OF LASER OUTPUT	Laser radiation icon and acoustic signal.

**FRACTIONAL SCANNER** ← 5.1 Frakcinis

MARKING TECHNOLOGY	Vector (laser beam that is moved by galvanometric mirrors)
MARKING FIELD	20x20mm to the nominal focal length (5") and 12x12mm to the nominal focal length (2.5")
REFLECTIVITY	>98%
NOMINAL SWEEP ANGLE	±6°
ERROR	< 5 mrad
ZERO OFFSET	< 5 mrad
NON-LINEARITY	< 4 mrad
REPEATABILITY	< 8 μrad

SURGICAL MODE 5.2 Chirurginis

HAND PIECES	Rankenėlės → →	Haemostatic cut, focus 100mm distance (spot from 0.2 to 0.3mm). Fine cut, focus 50mm distance (spot from 100 to 150microns).
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DERMA MODE 5.3 Dermatologinis (DERMA)

FIGURES	Square, triangle, hexagon, circle, ring
FIGURE DIMENSIONS	From 5 to 20mm with 1mm increments (spot ≥ 500μm) and from 2.5 to 12mm with 0.5mm increments (spot <190μm)
SEPARATION BETWEEN SPOTS	From 0.5 to 2mm with 0.1mm increments (spot 500μm) and from 0.5 to 2mm with 0.05mm increments (spot 190μm).
LASER ABLATIVE HAND PIECES ← rankenėlės	Spot 500microns.
Cone lens focal length of 5"	Spot 500μm.
Cone lens focal length of 2.5"	Spot 190μm.

**GENERAL TECHNICAL CHARACTERISTICS**

Uždara sistema skysčiu.

COOLING SYSTEM	10.Lazerio aušinimas	Liquid cooling system (sealed closed circuit)
POWER SOURCE		220-240 Vac / 50-60Hz
COMSUMPTION		250VA
OPERATING MODE		CW / Pulsed
FUSES		3.15A 250V Time delay
OPERATING TEMPERATURE RANGE		20-25°C
ENVIRONMENT AMBIENT HUMIDITY		45-75%
OPERATING ENVIRONMENT PRESSURE		1050-800 (mbar)
STORAGE AND TRANSPORT TEMPERATURE		5-45°C
AVERAGE DIMENSIONS		32x42x128cm (width, depth, height with creased arm)
WEIGHT		50kg
WORKING RADIOUS WHEN THE ARM IS FULLY SPREAD		140cm
TURNING ANGLE OF THE TRANSMISSION SYSTEM		360°