TATO

Thermal Ablation Treatments for Oncology

Terumo Interventional Systems is **committed to your success** with innovative procedural solutions and ongoing support for your most challenging cases.

PUSHING BOUNDARIES

We are relentlessly seeking new ways to help you apply effective solutions and achieve **better outcomes for more patients.**

ORDERING INFORMATION

Code	Gauge	Length (cm)	Description
TATO2-CART	Generator		
TATO2-TRAVEL	Portable Generator		
TTP1115CDCM	11	15	Antenna with cable (straight connection)
TTP1120CDCM	11	20	Antenna with cable (straight connection)
TTP1410CDLCM	14	10	Antenna with cable (luer lock connection to allow fluid infusion)
TTP1415CDCM	14	15	Antenna with cable (straight connection)
TTP1415CDLCM	14	15	Antenna with cable (luer lock connection to allow fluid infusion)
TTP1420CDCM	14	20	Antenna with cable (straight connection)
TTP1420CDLCM	14	20	Antenna with cable (luer lock connection to allow fluid infusion)
TTP1425CDCM	14	25	Antenna with cable (straight connection)
TTP1425CDLCM	14	25	Antenna with cable (luer lock connection to allow fluid infusion)
TTP1710CDLCM	17	10	Antenna with cable (luer lock connection to allow fluid infusion)
TTP1715CDCM	17	15	Antenna with cable (straight connection)
TTP1715CDLCM	17	15	Antenna with cable (luer lock connection to allow fluid infusion)
TTP1720CDCM	17	20	Antenna with cable (straight connection)
TTP1720CDLCM	17	20	Antenna with cable (luer lock connection to allow fluid infusion)
TTP1725CDCM	17	25	Antenna with cable (straight connection)
TTP1725CDLCM	17	25	Antenna with cable (luer lock connection to allow fluid infusion)
TTP1810CDCM	18	10	Antenna with cable (straight connection)
TTP1815CDCM	18	15	Antenna with cable (straight connection)
TTP1820CDCM	18	20	Antenna with cable (straight connection)
TTP1825CDCM	18	25	Antenna with cable (straight connection)
TTPCAEXS	Extension cable		

There are further different length antennas' with/without luer lock connector.

biomedical
Biomedical srl Firenze Italy

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CE 0426

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TERUMO INTERVENTIONAL SYSTEMS

TATO

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3 REASONS TO CHOOSE TATO

○ **EFFICIENCY:** TATO and TATOpro antennas are designed to minimize energy losses. The low loss technology allows the antennas to operate, in absence of a cooling system, without causing skin burns.

○ **MODULARITY:** TATOpro antennas come in various sizes, ranging from 11G to 18G. They are suitable both to perform small, highly precise ablations and to treat big multifocal tumors.

○ **SAFETY**[1]**:** TATO has an automatic real-time safety control loop that stops the emission of MW power in case a state of malfunctioning of the antenna is detected.

11G
14G
17G
18G

EXTRA THIN

FLUID INJECTIONS
TATOpro antenna with luer lock connection allows injecting fluids into the diseased tissue.
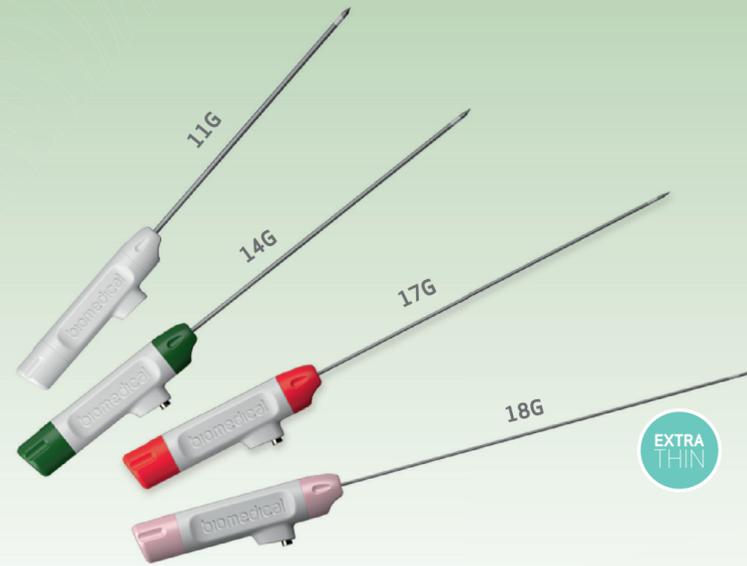
SIZE
TATOpro antennas are available in 11, 14, 17 and 18G.

DETACHABLE CABLE
The low loss MW cable can be detached from the antenna to allow its positioning.
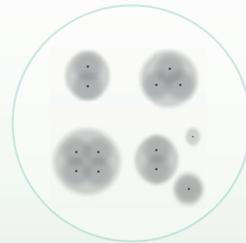
MULTI ANTENNA
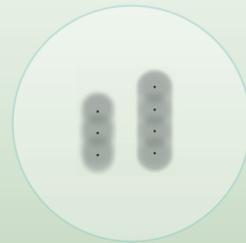4 antennas controlled with one single interface.

Different configuration in shape and power

Big lesions basic shape with multiple needles .

Available for liver resection

1. Safety refers to the TATO system background tests to check if the system is working accordingly.

∞ 1.2.9 ABLATION **SHAPE POSSIBILITIES**

An almost spherical 6 x 6,5cm ablation for the treatment of multifocal tumors (2 antennas).

The simultaneous treatment of multiple tumors (2, 3 or 4 antennas).

Ablating the Parenchymal Transection Margin to reduce blood loss during a surgical liver resection (2, 3 or 4 antennas).

Single antenna treatment **1.2.7.**

A single TATOpro antenna can perform ablations of different sizes depending on three treatment parameters: Gauge, power delivered and time.
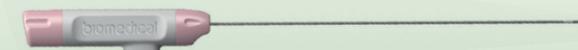
○ **A 11G uncooled** antenna will produce a 4,3 x 6 cm ablation with 60W of applied power in 10 minutes.

○ **A 14G uncooled** antenna will produce a 4 x 5,4 cm ablation with 40W of applied power in 10 minutes, suitable for medium sized liver tumor ablation.

○ **A 17G uncooled** antenna will produce an average 2.8 x 4.4 cm ablation in 10 minutes with 25W of applied power.

○ **A 18G uncooled** antenna will produce an ablation of 1.4 x 2 cm in a 5 minutes procedure with only 10W of applied power, suitable for small nodule ablations.

TATO can be completely controlled via an intuitive easy to use touchscreen (Human Machine Interface). The user will be able to fully set up the device in few minutes following a simple 7 step wizard.

1.2.10

SIMPLE
Easy interface design. Full control of the ablation process.

The power switching unit is designed to host from 1 to 4 antennas at the same time and to deliver the energy emitted by the generator to each one of them in the amount established by the operator.

TATO main unit comes equipped with USB port, a lit power button and two indicator lights: a yellow light that illuminates when the generator is transmitting RF power and a red one that will light in case a state of malfunctioning is detected.