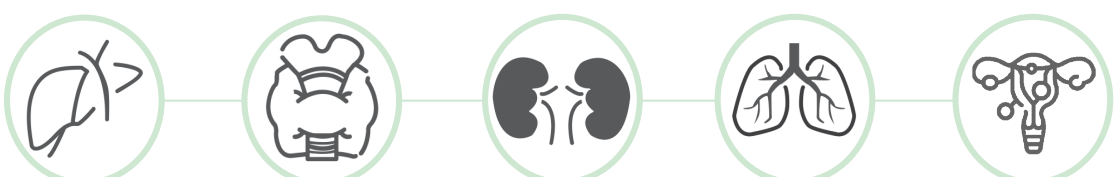
mermaid medical®

Family of **MaxBlate™ Microwave Ablation Systems**
A New Portable Generation of
XphereTip™ - ThyTip™ - SureTip™ Antennas







Liver | Thyroids | Kidneys | Lungs | Uterus

MaxBlate™ Microwave Ablation Generators

About Mermaid Medical Group
Mermaid Medical Group is a privately owned company founded in 2007.
With our Nordic roots and headquarters in Denmark, we value cooperation, helpfulness, and openness.

We develop, manufacture, and distribute medical devices to hospitals and end users across Europe, the United States and Asia.

Our primary focus is solutions for vascular diseases as well as other devices used in interventional radiology.

We strive to be the preferred partner for manufacturers as well as hospitals and healthcare professionals so that together we can help even more patients.

All product names, logos, and brands mentioned in this catalogue are the property of their respective owners.
Use of these names, logos, and brands does not imply endorsement or affiliation.
Trademarks are used solely for the purpose of identifying products and services.



30 years with over
500.000 successful cases





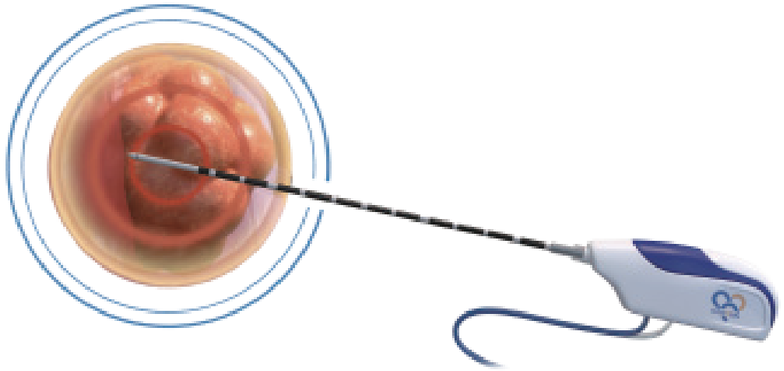


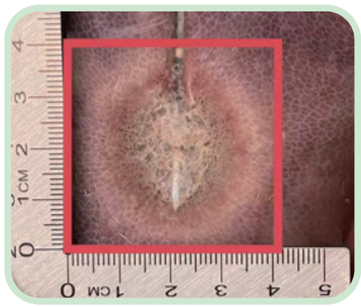
Features:

- Powered by proprietary MaxCore™ inside with ACLC technology and PID algorithm to provide precise and stable microwave output.
- IEC 60601-1 compliant for enhanced electrical safety.
- Portable and compact design for convenient transportation, installation, operation and service maintenance.
- Responsive touchscreen interface with adjustable power and time settings.
- Cooling and real-time temperature monitoring as well as other incorporated multiple built-in safety controls.
- Continuous and pulsed modes are available for different clinical options.

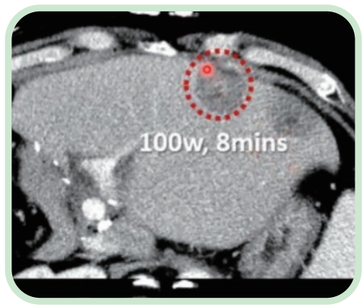
Precise - Efficient - Stable

Spherical - Less invasive

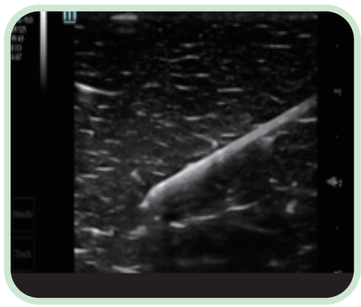




Ex Vivo Testing

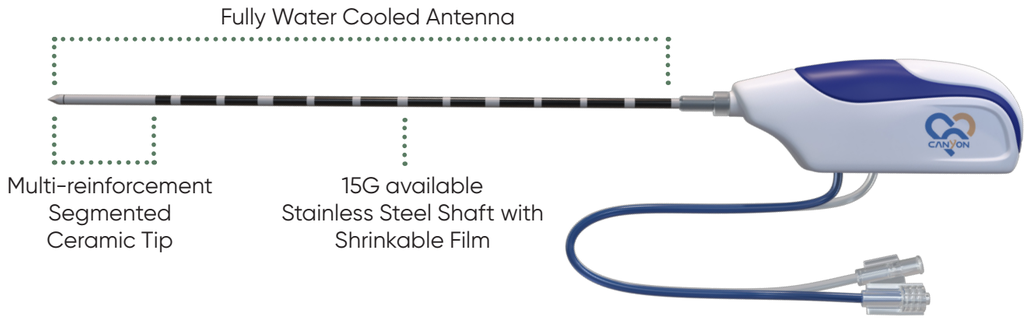


[1]In Vivo Results



Echogenicity

[1]
71-year-old male with cholangiocarcinoma, status post right hepatectomy with recurrence, case done by MaxBlate™ Microwave Ablation Generator, XphereTip™ 15G antenna.



Triangular Design

Trocar tip with reinforced ceramic window allows for less friction and improved mechanical strength



Features:

- Patented radiation field control technology as well as full-antenna water cooling technology brings a spherical ablation zone.
- Sharp and multi-reinforcement ceramic tip, as well as high-performance stainless-steel shaft, bring an excellent benefit of stiffness and strength in puncture and operation.
- The comparatively slim 15G option offers a less invasive approach.
- Excellent echogenicity and tip visibility for accurate guidance to the target area under ultrasound.
- Special antenna shaft surface treatment enables smooth puncture movement, and effectively avoids tissue adhesion.
- Ergonomic handle with detachable cable improves operational convenience and maneuverability.

ThyTip™ Antennas

Efficient & Controllable



Ergonomic handle with
detachable coaxial cable



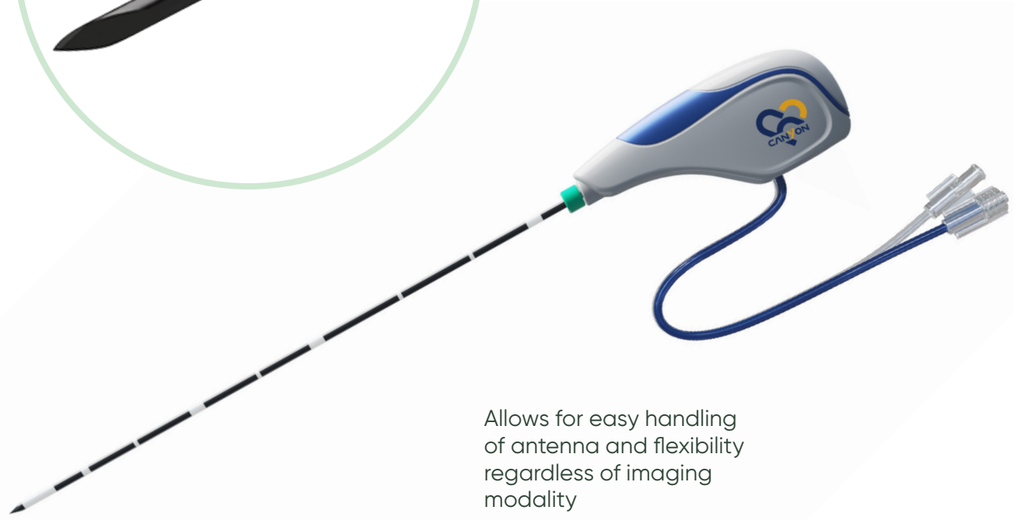
Features:

- 3mm active tip optimized for the ablation of superficial and small and superficial thyroid nodules with a uniform and well controlled result.
- Excellent echogenicity and tip visibility for accurate guidance to the target area under ultrasound.
- Internally water cooled and designed for the moving-shot technique moving shot to avoid tissue overheating.
- As thin as 19G for a less invasive approach.

SureTip™ Antennas



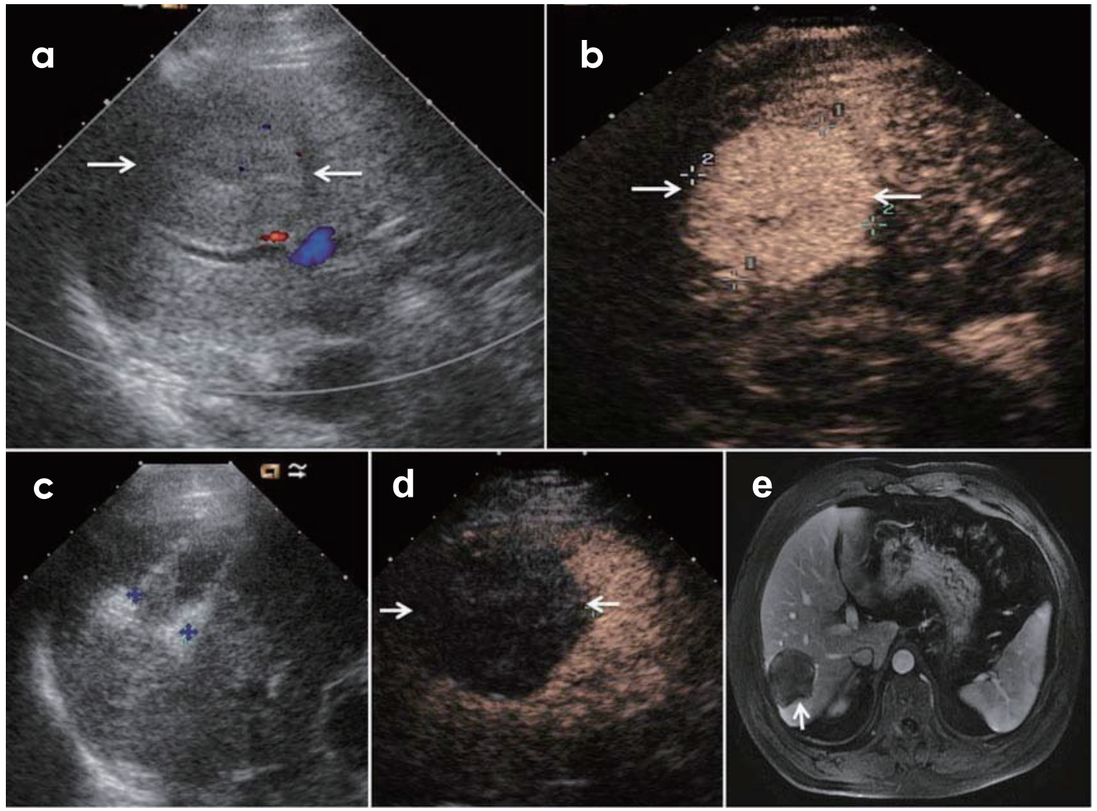
The sharp needle tip and slim diameter make the placement easier due to less friction



Allows for easy handling
of antenna and flexibility
regardless of imaging
modality

Features:

- High-performance materials to ensure reliable connection and strength.
- Unique shaft coating material to avoid tissue adhesion.
- Sharp needle tip and thin diameter, making it less invasive.
- Internally water cooled antenna with intelligent temperature control.
- Signal enhancement design for better visibility under CT or ultrasound guidance.
- High efficiency detachable cable, unique enhanced connection with the antenna.



Benefits of Microwave Ablation

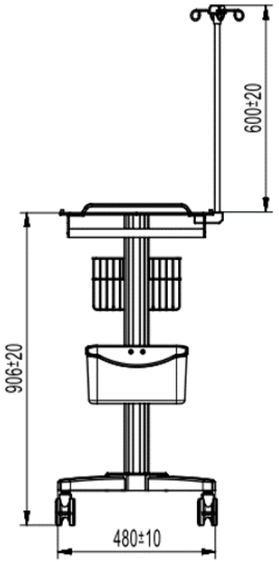
Microwave ablation can generate larger ablation zones in shorter time with less sensibility to heat sink effect. Moreover, MWA radiates all biological issues, such as bone, lung, charred or desiccated tissues. Additionally, multiple antennas can be placed to treat simultaneously for large tumors or multifocal lesion.

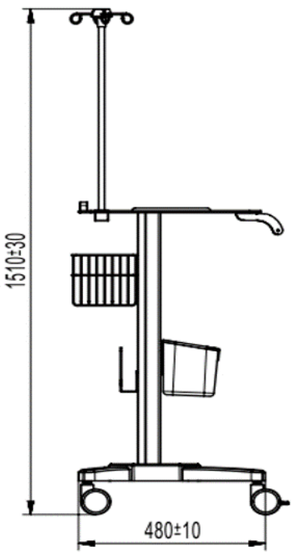
With MaxBlate™ New Generation Microwave Ablation System, the achieved ablation zone can be uniform, homogeneous, and predictable. In addition, a choice of antennas and customized settings provides the user with unique opportunities for clinical diversity during treatment.

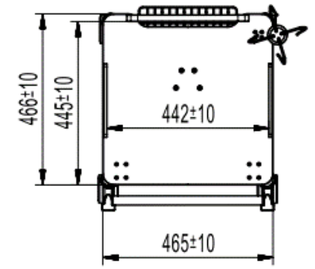
(a) Preablation conventional ultrasound (US) scan shows a hypoechoic lesion with blood supply (arrows).
(b) Contrast-enhanced US before MWA shows tumor enhancement in arterial phase with the size of 5.5 x 4.7 cm. (arrows).
(c) Conventional US shows two microwave antennas (mark) placed in the tumor.
(d) Contrast-enhanced US shows no enhancement of the ablation zone at 12 months after treatment (arrows)
(e) MRI scan obtained 21 months after ablation shows hypoattenuating ablation zone (arrow) without enhancement.

Above statements refers to the following publication
P. Liang et al. (eds.), Microwave Ablation Treatment of Solid Tomors, DOI 10.1007/978-94-017-9315-5_4,
© Springer Science+Business Media Dordrecht 2015.

Custom made trolley and foot pedal for use with MaxBlate™ MWA Generators











Ordering and Specifications

MaxBlate™ Pro	
Ref	KY-2100A
Frequency	2450 MHz
Display	7-inch touchscreen
Energy Output	5-150W
Time Setting	1-30 Minutes
Working Power	100V-240V 50-60 Hz
Weight	12 kg
Size	46 x 40 x 18 cm
Foot pedal included	

MaxBlate™	
Ref	KY-2000A
Frequency	2450 MHz
Display	7-inch touchscreen
Energy Output	5-100W
Time Setting	1-30 Minutes
Working Power	100V-240V 50-60 Hz
Weight	12 kg
Size	46 x 40 x 18 cm
Foot pedal included	





Custom made trolley for use with MaxBlate™ MWA Generators

Ref.	Specifications
KY-NPTC-1-01	Trolley for use with MaxBlate™ Generators

XphereTip™ Antennas

Ref	Diameter	Active Tip	Total Length
KY-2450B-QT29	13G	31 mm	100mm
KY-2450B-QT30	13G	31 mm	150mm
KY-2450B-QT31	13G	31 mm	200mm
KY-2450B-QT32	13G	31 mm	250mm
KY-2450B-QT33	13G	31 mm	300mm
KY-2450B-QT4	15G	25 mm	100mm
KY-2450B-QT5	15G	25 mm	150mm
KY-2450B-QT6	15G	25 mm	200mm
KY-2450B-QT7	15G	25 mm	250mm
KY-2450B-QT8	15G	25 mm	300mm

Angled handle



All antennas come with a compatible coaxial cable

ThyTip™ Antennas

Ref	Diameter	Active Tip	Total Length
KY-2450B-5	16G	3 mm	100 mm
KY-2450B-13	16G	3 mm	70 mm
KY-2450B-4	18G	3 mm	70 mm
KY-2450A-14	19G	3 mm	70 mm



Straight handle

All antennas come with a compatible coaxial cable

SureTip™ Antennas

Ref	Diameter	Active Tip	Total Length
KY-2450B-T4	15G	11 mm	100 mm
KY-2450B-T6	15G	11 mm	150 mm
KY-2450B-T7	15G	11 mm	200 mm
KY-2450B-T10	15G	11 mm	250 mm
KY-2450B-T14	15G	11 mm	300 mm
KY-2450A-11	16G	5 mm	130 mm
KY-2450B-T1	16G	11 mm	100 mm
KY-2450B-T2	16G	11 mm	150 mm
KY-2450B-T3	16G	11 mm	200 mm
KY-2BBC-24D	16G	11 mm	300 mm
KY-2450B-T11	18G	11 mm	100 mm
KY-2450B-T5	18G	11 mm	150 mm
KY-2450B-T13	18G	11 mm	200 mm

Angled handle



All antennas come with a compatible coaxial cable

MaxBlate™ Coaxial Needle with blunt cannula

Ref	Diameter	Compatible with....	Exposure
CN-13/78-1	13G	SureTip™-T6 and XphereTip™-QT5	45,1 mm
CN-13/128-1	13G	SureTip™-T7 and XphereTip™-QT6	45,1 mm
CN-15/78-1	15G	SureTip™-T2 and (XphereTip™ NEW 18G)	45,1 mm
CN-15/128-1	15G	SureTip™-T3 and (XphereTip™ NEW 18G)	45,1 mm



mermaid medical®

Mermaid Medical, Inc.
7805 24th Ct E Unit 109
Sarasota, FL 34243, USA
customercare@mermaidmedical.com
Phone: 720-420-9999

MM 01-8000-01 USA Rev. 07.