



Interventional Radiology

MICROWAVE THERAPEUTIC SYSTEM

ONE-STOP SERVICE PLATFORM FOR TUMOR ABLATION



THE FIRST COOLED MWA SYSTEM IN THE WORLD

NANJING ECO MICROWAVE SYSTEM CO., LTD

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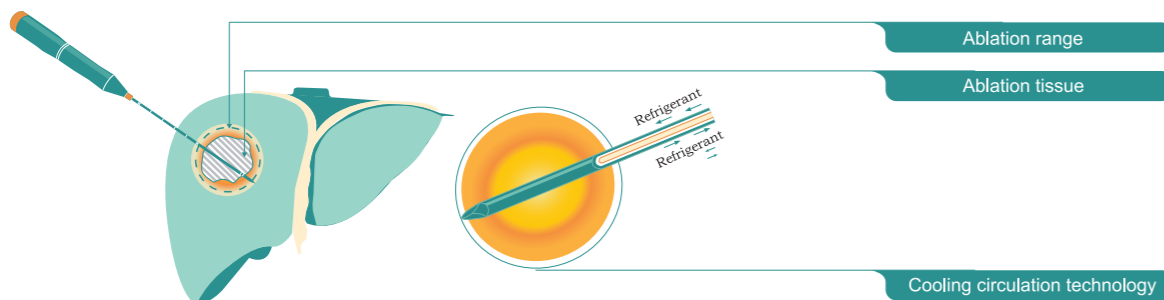
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Nanjing ECO Microwave System Co., Ltd.

Brief Introduction

As a leading medical device manufacturer in China, ECO is actively involved in microwave, high-frequency and physical therapy fields. Our aim is to deliver the most advanced technology and solutions to those who are in need all over the world.

ECO Microwave Ablation System and Antennas are intended for the ablation (coagulation) of soft tissues during open, percutaneous or laparoscopic procedures with image guidance. ECO antennas are designed to be highly visible under CT and Ultrasound to ensure proper probe placement. The patented cooling circulation system minimizes the risk of non-targeted tissue burns.



ECO Microwave Generator

2.45GHz Operating Frequency

Powers up to 120W

Touch Screen User Interface

Dual Energy Source

Multiple Safe Measures



ECO-200F, Microwave Therapeutic System, Intelligent

2.45GHz Operating Frequency

Powers up to 120W

Touch Screen User Interface

Multiple Safe Measures



ECO-100E2, Microwave Therapeutic System, Intelligent

2.45GHz Operating Frequency

Powers up to 120W

Touch Screen User Interface

Multiple Safe Measures

More Stable Microwave Output



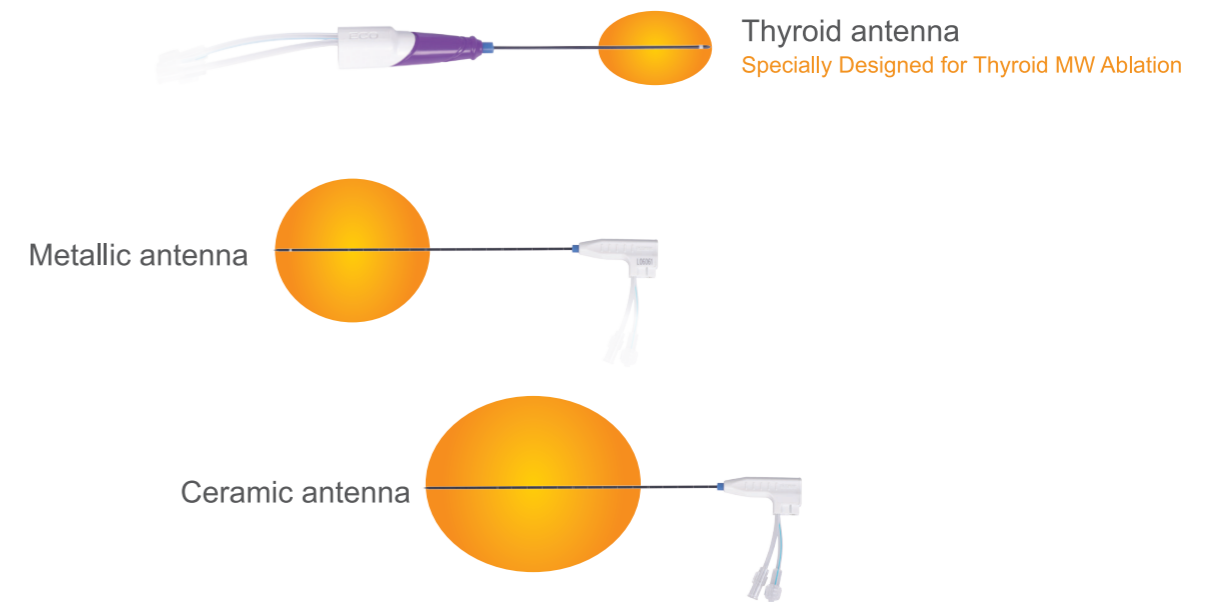
ECO-200G, Microwave Therapeutic System, Intelligent

ECO Microwave Generator

	Design	Energy Source	Touch Screen	Coolant Temp Monitoring	Tissue Temp Monitoring
ECO-100E2	Portable	One	✓	✓	✓
ECO-200G	Portable	One	✓	✓	✓
ECO-200F	Stand Alone	Two	✓	✓	✓

Feature	Benefit
Interactive touch screen user interface	User friendly
Integrated peristaltic pump	Continuous cooling capacity
Dual energy source generator available	2 antennas can be used simultaneously within one generator to coagulate-ablate very large or multiple lesions to save time
Real-time coolant temperature monitoring and display	Minimizes risk to non-targeted tissues along the shaft of the antenna
Pre-procedure cooling and microwave output self-test function	Ensures effectiveness and safety before starting the procedure
Independent thyroid ablation mode available	Effective MW treatment for benign nodules and malignant tumors of thyroid and parathyroid gland

ECO Microwave Antenna



Diameter (mm)	Active Tip (mm)	Shaft Length 100mm	Shaft length 150mm	Shaft length 200mm	Shaft length 250mm
1.4 17G	3.5	✓			
	12		✓	✓	
1.6 16G	3.5	✓			
	10		✓	✓	
	12		✓	✓	
1.8 15G MRI Antenna	18		✓	✓	
2.0 14G	11		✓	✓	✓
	12		✓	✓	✓
3.2 11G	11		✓	✓	

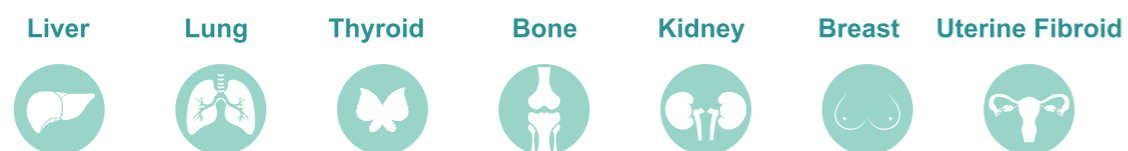
Feature	Benefit
Available in 11G, 14G, 15G, 16G, 17G diameters	Variety of diameters available for different organs and lesion sizes
Available in 10cm, 15cm, 20cm, 25cm lengths	Variety of lengths available for open, percutaneous, and laparoscopic procedures
Detachable cable	Makes antenna placement more convenient
MRI compatible antenna available	To be able to use under MRI guidance
Patented cooling system with thermocouple	Real-time coolant temperature monitoring to minimize the risk to non-targeted tissue burns
High strength shaft material and advanced anti-adhesion technology	Makes puncture easy and minimizes the risk of bending

€ Double & Multiple Antennas Combination Technology



The dual-antenna superposition effect is to utilize the interaction of two electromagnetic fields and the two thermal fields to achieve a better ablation performance than using one antenna twice under the same power and time setting. Achieve the effect of 1+1 > 2.

€ Applications



€ Antenna Order Information

Model	Diameter	Active Tip(mm)	Length(mm)	Software	Material	Shape
ECO-100AI1	17G	3.5	100	Normal	Metallic	Straight
ECO-100AI20C	17G	12	150	Normal	Ceramic	Straight
ECO-100AI3	16G	3.5	100	Normal	Metallic	Straight
ECO-100AI5	16G	10	150	Normal	Metallic	Straight
ECO-100AI22	16G	10	200	Normal	Metallic	Straight
ECO-100AI5C	16G	12	150	Normal	Ceramic	Straight
ECO-100AI22C	16G	12	200	Normal	Ceramic	Straight
ECO-100CL5	16G	10	150	Intelligent	Metallic	L
ECO-100CL22	16G	10	200	Intelligent	Metallic	L
ECO-100CL5C	16G	12	150	Intelligent	Ceramic	L
ECO-100CL22C	16G	12	200	Intelligent	Ceramic	L
ECO-100AL13C	15G	18	150	Normal	MRI	L
ECO-100AL23C	15G	18	200	Normal	MRI	L
ECO-100AL8C	14G	18	150	Normal	MRI	L
ECO-100AL10C	14G	18	200	Normal	MRI	L
ECO-100AI8	14G	11	150	Normal	Metallic	Straight
ECO-100AL8	14G	11	150	Normal	Metallic	L
ECO-100AI10	14G	11	200	Normal	Metallic	Straight
ECO-100AL10	14G	11	200	Normal	Metallic	L
ECO-100AI8C	14G	12	150	Normal	Ceramic	Straight
ECO-100AI10C	14G	12	200	Normal	Ceramic	Straight
ECO-100CL8	14G	11	150	Intelligent	Metallic	L
ECO-100CL10	14G	11	200	Intelligent	Metallic	L
ECO-100CL11	14G	11	250	Intelligent	Metallic	L
ECO-100CL8C	14G	12	150	Intelligent	Ceramic	L
ECO-100CL10C	14G	12	200	Intelligent	Ceramic	L
ECO-100CL11C	14G	12	250	Intelligent	Ceramic	L
ECO-100AI18	11G	11	150	Normal	Metallic	Straight
ECO-100AI25	11G	11	200	Normal	Metallic	Straight
ECO-100AI27C	φ2.2mm	18	180	Normal	Hydatid Cyst	Straight
ECO-100F13	φ1.8mmX130			Coaxial		
ECO-100F14	φ2.4mmX130			Coaxial		
ECO-100F-27-1	φ1.4mmX140			Thermocouple		