



















Technology

3D Conformal Treatment

- From a point (single exposure) to a line, then a slice, then a volume that covers the entire tumor at any shape.

- 3D targeting module defines the boundary of tumor
 3D planning module divides tumors into appropriate silese, records and analyzes coordinate information, forms a 3D therapeutic plan.
 Therapeutic module manages the treatment in conformity with treatment planning, monitors the situacy response and the safety of acoustic pathway, adjusts therapeutic parameters.







Liver cancer
A 51-year-old man with HCC. (a) Before HBTU. CT image shows a large tumor adjacent major hepatic veins (b) Enhanced MR images shows no enhancement in treated region and no damage to hepatic vein 2 weeks after HBTU restment.



Haifu



Pancreatic cancer
A 43-year-old woman with pancreatic tumor (a) MRI before
HEI shows a 24-tem lesion (arrowheads), (b) MDD performed 24h after HIFU shows ablation of entire lesis (arrowheads), (c) MDCT scan 9 months after treatme shows the lesion appears slightly diminished in dimension but widely hypodense and without residual enhancir ergion forowheads.



Total Solution





Customized Solution

Suitable clinical protocols, operation & management advices and research cooperation proposal will be tailored for each end-user.



Qualification







Main Parameters	Acoustic focusing efficiency	28000
	Focal region	1.1mm×1.1mm×3.3mm
	Max acoustic intensity	25000W/cm²
	Max output acoustic power	400W
	Side lobe	<-10dB
	Maximum range of transducer movement	X=120mm,Y=120mm,Z=180mm
	Movement control accuracy	±0.1mm
	Accumulated tolerance in linear movement	±1mm
	Therapeutic frequency	0.8-2.4MHz
	Probe vertical movement range	0-100mm
	Probe rotating angle range	±90°
	Dissolved oxygen	≤3ppm
	Electrical Power	12.5KVA
Installation Environment	Room requirement	Area : ≥40m², Width : ≥5m
	Power requirement	Three-phase five-wire power cable with ground wire which in conformity with local laws
	Water requirement	Flow: ≥1m'/h, Pressure.0.1-0.5MPa

