

## Technical Specifications

### General

Operational System	PC-based Operational System
Imaging Mode	B, B+B, 4B, B+M, M
Gray Scales	256
Display	15" LCD Monitor
Transducer Frequency	2~12MHz
Transducer Connector	3 Sockets
Beam-forming	DBF, DRA, DFS, DRF, RDA
Scanning Angle	From 30 to 150 Degree (Depending On Transducers)
Scanning Depth (mm)	From 40 to 300 (Depending On Transducers)

### Innovation Technologies

ePure	Unique Speckle Reduction Technology
eFCI	Frequency Compounding Image
eSCI	Spatial Compounding Image
eSpeed	One Key Optimization
eView	Panoramic Imaging
THI	Tissue Harmonic Imaging
MBP	Multi-beam Processing
3D Imaging	More Accuracy, Details, and Connections to What is Beyond the Surface
4D Imaging	Visualize The Lively "Energy and Movement"

### Imaging Processing

Pre-processing	Pre-settings Dynamic Range Edge Enhancement Frame Correlation Line Correlation Line Density 8-segment TGC Adjustment 4-focus Adjustment Tissue Specific Imaging (TSI)
Post-processing	Grey Transform Gamma Correction Rejection Left-right Reverse Up-down Reverse Polarity Reverse 21 Levels Depth Adjustment Partial Zoom Real-time Histogram PIP (Picture in Picture)

### Functions

Cine loop	500 Frames Bi-directional Cine-loop
Storage media	External Flash Stick, CD/DVD-R/W
Build-in storage	Mass Storage (Min. 250G)
Body mark	112 Types Transducer Auto-detection 10 Segment Acoustic Power Output Adjustment

### Measurement & Calculation

B-mode	Distance, Circumference/Perimeter, Area, Volume, Angle, Hip Joint, Stenosis Ratio
M-mode	Distance, Time, Velocity, EF Slope, Heart Rate
Software Packages	Abdomen, Gynecology, Obstetrics, Urology, Small Parts, Cardiology, Orthopedic

### Display

Date, Week, Time, Patient ID No., Patient Name, Doctor Name, Hospital Name, Transducer Model, Transducer Position, Transducer Frequency, Depth, Focus Position, Frame Rate, Gain, Acoustic Output, Frame Correlation, Line Correlation, Edge Enhancement, Dynamic Range, Gamma Correction, Body Mark, Character Note, Measurement Values, Angle, Zoom, etc.

### Others

Peripheral Ports	1 Video Output 3 USB Ports DICOM 3.0
Power Supply	AC 110-240V 50/60Hz
Dimensions (mm)	660(W)×910(L)×1323(H)

### Standard Configurations

EMP-2900Plus Main Unit  
15" LCD Monitor  
3 Transducer Connectors  
3 USB Ports  
Min. 250 GB Hard Disk (MSF. Mass Storage)  
PC Processor With Image/Character Management System  
Automatic Diagnostic Report Browsed, Saved and Printed  
Measurement & Calculation Software Packages  
Electronic Convex Array Transducer (2.0-6.0MHz)

### Options

Electronic Linear Array Transducer (5.0-10.0MHz)  
Electronic Linear Array Transducer (7.5-12.0MHz)  
Electronic Micro-convex Array Transducer (2.5-5.0MHz)  
Electronic Micro-convex Array Transducer (6.0-9.0MHz)  
Electronic Transvaginal Array Transducer (5.0-9.0MHz)  
Video Printer & Laser Printer  
Needle-guided Biopsy  
Footswitch  
Flash Stick  
DICOM 3.0  
CD/DVD-R/W

**EMP-2900Plus**  
**Full Digital**  
**Ultrasound System**



### DISTRIBUTOR



EN.2900PLUS.201307

**EMP**<sup>®</sup>

**Shenzhen Emperor Electronic Technology Co., Ltd.**

Add: 2&3/F, Building 15, No. 1008 Songbai Road, Nanshan District, Shenzhen, 518108, China

Tel: +86-755-26073285, 27657246, 26415597      Fax: +86-755-26073886  
E-mail: business@china-emperor.com      Http://www.china-emperor.com

We reserve the right to make modifications without prior notification.



**EMP**<sup>®</sup>  
**Emperor Medical**

## Excellent Image Processing Technology

- 3D/4D Imaging
- ePure
- eFCI
- eSCI
- eSpeed
- eView
- THI

**EMP-2900Plus**

**Full Digital**  
**Ultrasound System**





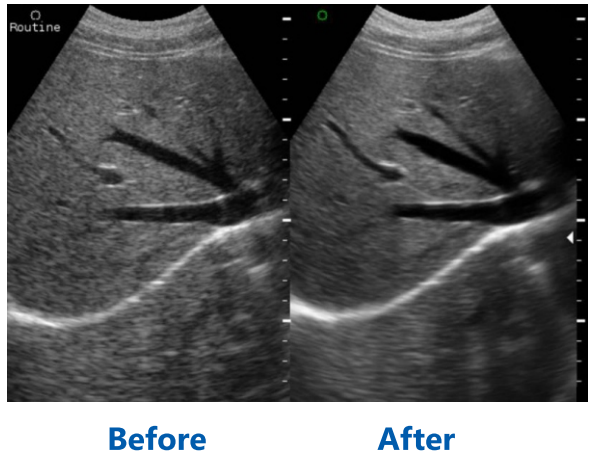
## 3D/4D Imaging

- Multi-slice Imaing, viewing the fetus structure including the face, ear, nose and lips.
- Full value of volume data collecting, making the diagnostic more accurate
- More clear image to view the baby from multi- directions and dimensions
- Early diagnostic for fetal congenital deformity, congenital cardiac anomaly

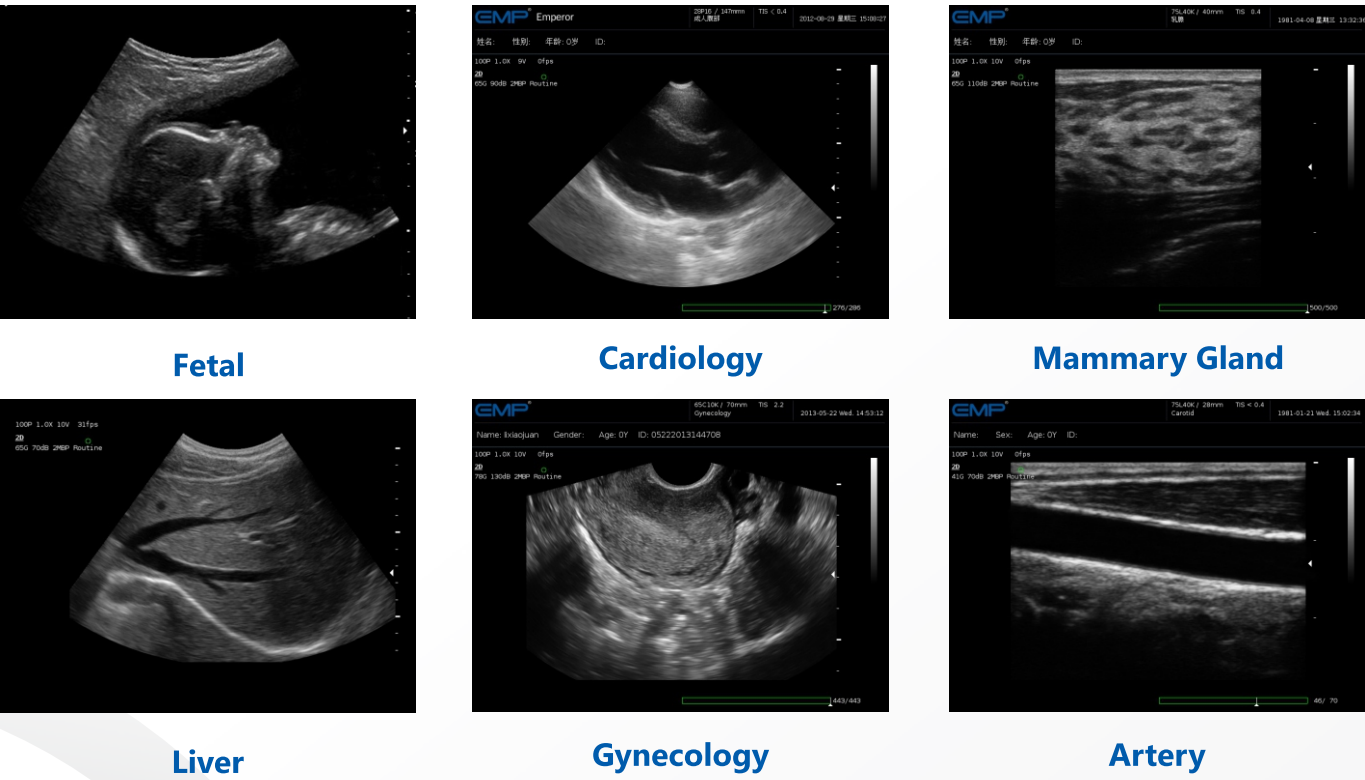
## Excellent OB/GYN Performance

## ePure, eFCI, eSCI

Excellent Image processing technology reduces noises obviously.



## Real image, Wide Clinical Applications



## Probes

