

# **USM - 3007**

## **Ultrasound Scanning Machine**



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company





21.5" medical LCD monitor

- Angle adjustable
- Foldable



13.3" high sensitivity touch screen

- Angle adjustable



Optimized control panel

- Angle adjustable
- Height adjustable



Optimized TGC Area

Left placement



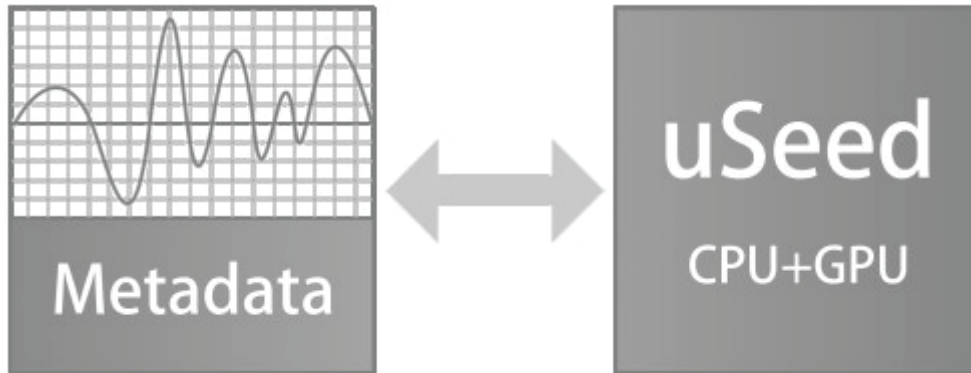
4 universal transducer connectors



Cable Management

## ►► uSeed Platforms

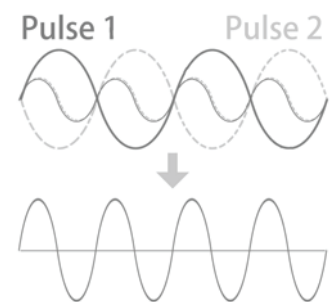
USM 3007 facilitates accurate diagnosis based on uSeed metadata beamforming imaging technology platform. This brand-new platform is developed by CPU + GPU heterogeneous computing technology. The images in uSeed platform are saved as metadata for postprocessing.



## ►► Technologies

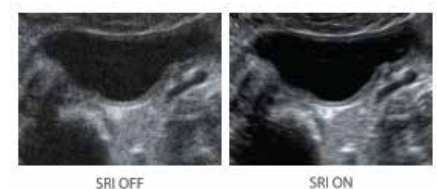
**Pulse Inverse Harmonic Imaging PIHI**

PIHi reduces the distortion generated by the fundamental wave, and greatly improve the signal-to-noise ratio.



**Speckle Reduction Imaging**

SRI technology significantly reduces the unwanted speckle, provides enhanced tissue boundary and tissue echo for confident clinical diagnosis.



**Spatial Compound Imaging**

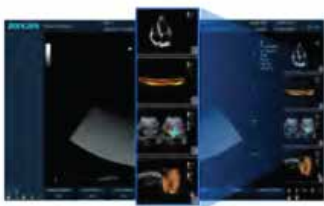
SCI provides better contrast resolution, reduces the speckle noise and smoothes the imaging of homogeneous tissue.



## ►► Efficient and Fast Workflow

Multiple user-defined programming buttons

- One-key Automatic Optimization Technology One-key operation flow, quick switching and easy to use Visualize user-defined presets function (QSave)
- Metadata and image postprocessing
- USB 3.0 ports, built-in DVD, make transmission more convenient
- Thumbnail clipboard- easy to review the images and videos



Clipboard



Qsave



Station



User defined Buttons

## ►► Comprehensive clinical applications

USM 3007 provides remarkable performance in Abdomen, Gynecology (including endocavity), Obstetric, Cardiology, Small parts (Breast, Testes, Thyroid, etc.), Urology, Musculoskeletal and Peripheral vascular. A variety of imaging modes brings a comprehensive clinical application.

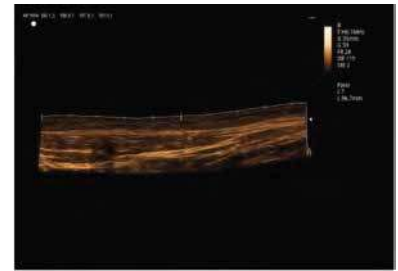
-B Steer, 3D/4D, ZPage, Zlive, PW, CW, AMM, CMM, Panoramic Imaging, Elastic imaging mode, EFOV, TDI

-Auto IMT, Auto NT, Auto Trace, TSI, THI, SRI, SCI, FCI, Biopsy function

## ►► Radiology

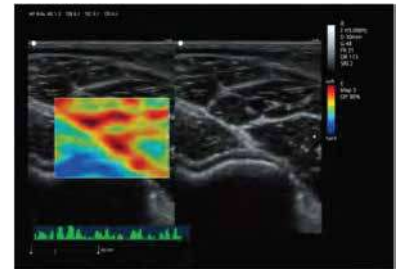
### Panoramic Imaging

Panoramic Imaging could help to get extended and complete view of the anatomical structure.



### Elastic Imaging

Elastography plays an important role in clinical diagnosis, especially in lesions assessing. Elastography imaging could detect the hardness of nodule, therefore it may help to differentiate malignant from benign lesions.



## ►► Cardiology

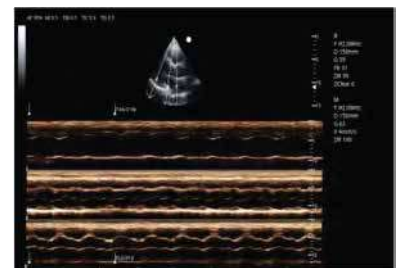
### TDI

Tissue Doppler Imaging (TDI) could monitor local myocardial movement, and evaluate the movement quantitatively.



### AMM

AMM allows placing up to 3 sample lines at any angles, the thickness and thickening of each ventricular wall could be observed accurately, which is also helpful for the accurate measurement of ejection fraction.



## ►► Obstetrics and Gynecology

### 3D/4D

Zoncare advanced 3D/4D mode delivers amazing lifelike 3D/4D images. With Zlive, PCDUS 3030 has the ability to manipulate light and shadow anywhere in the images.



## HPLC Servicing, Validation, Trainings and Preventive Maintenance :

**HPLC Servicing** :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

**Trainings** :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

**AMC's/CMC** :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

**Validations** :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

**Instruments** :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## Our Products & Technologies



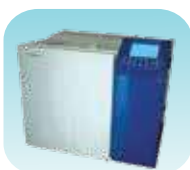
UV/VIS  
Spectro 2080+  
Double Beam



Infra FTIR



Optima Gas  
Chromatograph  
3007



Optima Gas  
Chromatograph  
2979 Plus



Flash  
Chromatograph



Atomic Absorption  
Spectrophotometer



Liquid Particle  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



Semi Auto Bio  
Chemistry Analyzer



HEMA 2062  
Hematology  
Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon 3800



Fully Automated  
CLIA



NOVA-2100  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



TOC  
Analyzer



Laser Particle  
Size Analyzer



Ion Chromatograph



Water purification  
system

## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



**Analytical**  
**Foundation**

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [Info@analyticalfoundation.org](mailto:Info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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