BLUE STAR

MUS 9400

As far ahead in technology as in convenience.

Blue Star Engineering & Electronics Limited (Blue Star E&E) is a wholly owned subsidiary of Blue Star.

The business in the electronics division represents leading names in a variety of specialised operations like healthcare, data communication and material testing, among others.

Some of the leading names represented by Blue Star E&E are Hitachi Medical Corporation, Thales e-Security, JEOL, Olympus, YXlon, Aeroflex and Weir, among others.

Healthcare Systems

The Healthcare Systems arm of Blue Star E&E provides sophisticated medical equipment for healthcare purposes.

While representing leading global brands for sophisticated healthcare products, it has also been offering its own range of products.

Healthcare Systems offers cutting- edge technology in fields like medical imaging (CT, MRI, ultrasound), pharmaceuticals (bone densitometry, raman spectrometry, particle sizing) and criticare products.

Core Strengths

- Dedicated customer support systems with extensive training in customer support
- Well-qualified and trained team of engineers (sales and service) as well as management professionals
- Non-metro remote reach and wide AMC networked infrastructure
- Effective sales and service networks across India
- Excellent understanding of import & export formalities

MUS 9400

MUS 9400, the latest advanced colour doppler system, is specially designed for full range applications including radiology, cardiovascular, obstetric/gynaecology and small parts.

Its innovative ergonomic designs, latest ultrasound technologies and high definition image quality makes it the best available option as a workflow enhanced ultrasound system providing an exceptional experience in clinical practices.

Compact Unit with Multiple Functions

Diagnostic Applications:

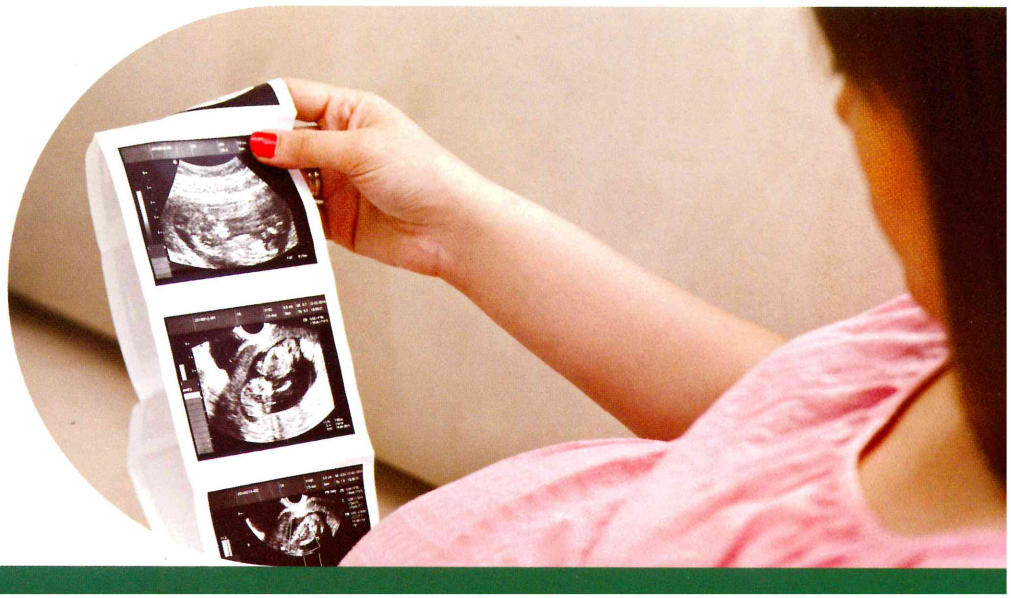
- Abdominal, obstetric, gynaecology, musculoskeletal, urology, small parts / superficial, cardiac / vascular and paediatric
- Supports linear, convex, micro-convex, phased array, endovaginal, endorectal, intraoperative and volume (4D) transducers

Advanced Colour Doppler System:

- 19" High resolution HD LCD display with swivel arm
- 8" Touch panel for smooth workflow
- 4 Active probe connectors
- Digital beam former with multi beam parallel processing
- Compound imaging
- M tuning for one touch image optimisation
- U-scan speckle reduction technology
- Tissue harmonic imaging
- Trapezoidal imaging
- DICOM 3.0 ready
- High density (upto 256 elements) multi frequency wide band transducers
- High frame rate (1000 - 1500 frames / second)
- Wide range of scanning frequency (2 to 16 MHz)
- Powerful cardio vascular package with colour M / steer M / TDI / IMT (option)
- Panoramic imaging (option)
- Real time 3D (4D) imaging (option)
- Special function probes (eg. endocavity with 200 degrees scanning angle, intraoperative, laproscopic TEE)

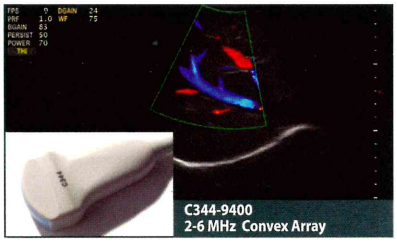
New Software Platform:

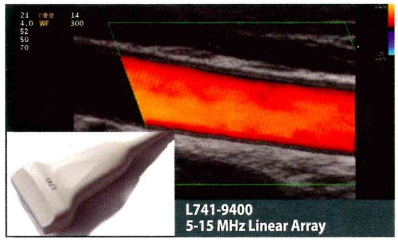
- Convenient patient file management system
- Customisable function keys, icons, measurement, report, comments and layout
- Custom-made keyboard and panel layout
- 8" Touch screen for smooth workflow
- DICOM 3.0 system: Saves, stores, prints, maintains work lists, MPPS and enables file transmission
- Complete data solution: 500 GB or more hard drive, USB ports, VGA, S-video, DVD RW, LAN port and thermal printer support

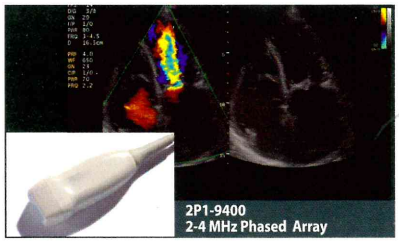


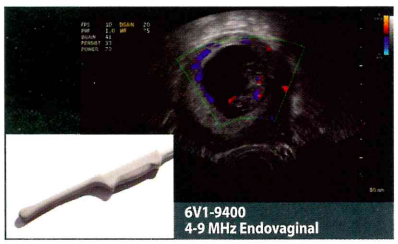
Technical Specifications

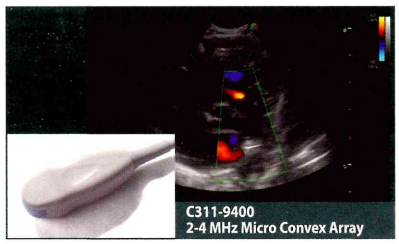
Technology	Digital dual beam former with multi-beam parallel processing technology
Display	19-inch high resolution color HD LCD monitor
Probe Connectors	4 Active connectors
Application	Abdominal, cardiology, obstetrical & gynaecological, musculoskeletal, vascular, urological, small parts / superficial and paediatric
Scanning Methods	E convex array, micro convex array, linear array, phased array sector and volume array
Imaging Modes	B-mode, M-mode, colour flow mode (CFM), pulse wave doppler (PWD), power doppler imaging (PDI), directional PDI, tissue harmonic imaging (THI), color M-mode, steer M-mode, compound imaging, high pulse repetition frequency (HPRF), trapezoidal imaging & panoramic imaging (optional - continuous wave doppler (CWD), tissue doppler imaging (TDI), real time 3D (4D) imaging).
Display Modes	B, M, D, B&M, B&D, real time triplex (B, flow, PW/CW and B, flow, colour M), dual live mode, dual B, quad display
System Dynamic Range	20 - 280 dB
Maximum Frame Rate	1000 - 1500 frames / sec (probe / application dependent)
Display Gray Scale	256 levels
Maximum Scanning Depth	32.90 cm (probe dependent)
Transducer Type	Convex array, micro convex array, linear array, phased array, intraoperative, multiplane TEE, endocavity, laproscopic & volume (4D)
Transducer Elements	High density probes with elements up to 256 channels
Data Storage	HDD (500 GB or more), USB drive, DVD-drive. Archived image can be viewed on PC
Network Communication	DICOM 3.0 ready. Dicom PRINT / SEND / WORKLIST / STORAGE / MPPS
Measurement & Calculation	General, abdominal, obstetric, gynaecology, small parts, urology, orthopaedic, cardiac & vascular
Report Function	Obstetrical / gynaecological, cardiac, vascular, urology and small parts
Power Requirement	220 Volts AC 50Hz
Environmental Requirements	Temperature ±10 to + 40 degrees C, relative humidity: 30% to 75% (non condensing)

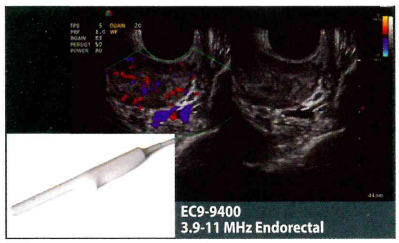

C344-9400
2-6 MHz Convex Array


L741-9400
5-15 MHz Linear Array


2P1-9400
2-4 MHz Phased Array


6V1-9400
4-9 MHz Endovaginal


C311-9400
2-4 MHz Micro Convex Array


EC9-9400
3.9-11 MHz Endorectal


VC6-9400
2-6 MHz Volume Convex Array (4D)


MP TEE
4.2-8.2 MHz Multiplane TEE

BLUE STAR
ENGINEERING & ELECTRONICS

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