1   **   **Affiniti 70 GI System**   **1**

Affiniti 70 GI System

Affiniti features an uncompromised level of clinical performance to meet the challenges of today's busy ultrasound practices

- New tablet like interface revolutionizes how you interact with the system resulting in a reduction in exam reach and exam steps.
- Large 21.5-inch high definition LCD display mounted on fully articulating extension arm for easy viewing in virtually any environment
- Infinite articulation of control panel and monitor allows for perfect alignment whether sitting or standing (180 degrees of freedom from center) to scan ergonomically
- Almost silent when running (37-41dB) – equivalent to the sound of a library
- 4 transducer ports
- Integrated footrest
- Integrated storage shelves and drawer
- 4 wheel swivel and swivel/brake lock control
- Up to 4,718,592 total digital channels
- Exclusive adaptive signal to noise ratio that achieves system dynamic range of up to 280 dB for improved 2D
- Sixteen core processing computer with 1 Tbyte hard drive and 4 GByte graphics display
- Philips Next Generation SonoCT Real-Time Compounding, with Widescreen capability and up to 9 beam-steered lines of sight that acquires more information and reduces angle-generated artifacts
- Philips next generation XRES Adaptive Image Processing for noise and artifact reduction to improve tissue and border definition
- Fully independent, multiple mode
- Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report.

Automation
Designed with our most innovative tools to maximize efficiency

- Autoscan (real time iSCAN) automatically optimizes gain and TCG continuously to assure you are achieving an optimal image in 2D, 3D and 4D.
- Vascular High-Q Automatic Doppler provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report
- Intelligent Tissue Specific Imaging
- Application-specific and user definable Quicktext Automatic Annotation
- QuickSAVE User Defined Programs (up to 45 per transducer)

Data

- On-board workstation-class data management with thumbnail previews and storage of images, loops
- and reports
- Retrospective and prospective clip capture to internal drive or removable media
- Ability to send X,Y & Z volume MPR's to most PACS
- Ability to export
- QLAB native data

Other Core Features

- Abdomen clinical option
- Battery back-up
- Color Power Angio
- Tissue Harmonics and Pulse Inversion Harmonic Imaging
- 2D, M-Mode, Anatomic M-mode, Color Flow Doppler, Pulsed Wave Doppler (PW), High PRF PW Continuous Wave Doppler, Chroma Imaging, Tissue Doppler Imaging, Pulse Inversion, Cineloop Image, M-mode and Doppler Review
- High Definition Write Zoom and Read Zoom with pan features
- Chroma Imaging
- Measurement tools including: distance, depth, area, and circumference
- Volume Flow Measurements

NetLink Dicom
Provides network print and store, commit, modality worklist, and structured reporting for adult and pediatric echo, vascular, and OB/GYN. Integrated Wireless DICOM with WEP2 security capability. Also enables DICOM Query and Retrieve (optional capability).

Easy-clip Cable Mgmt Solution
Unique cable management system that keeps cables tangle and damage-free, while also decreasing cable strain for greater operator comfort while scanning. Two easy-clips included; enough for four transducers.

Clinical Education

***2 days of Implementation Onsite Training (expires 90 days after install, provided Mon-Fri during normal business hours) and an E-Learning subscription; Basic System Training course for two people (expires 180 days after install).

***Note: Philips Healthcare personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. The training sessions should be attended by the appropriate healthcare professional as identified by the department director. Repeat training for staff non-attendance will not be accepted. Site must be patient-ready to meet training expectations.

BST ONLINE COURSE (qty 2) –The Basic System Training e-learning curriculum is focused on your Philips Ultrasound System. The aim of this comprehensive series is to provide the Sonographer/Echocardiographer with a comprehensive bundle of self paced courses to familiarize you with your ultrasound system.

Promo Affiniti Online Bundle This promotion provides a subscription for one person to access one of the four following online eLearning options: (1) Cardiac Echo online courses, (2) Women's Healthcare online courses, (3) General Imaging online courses, OR (4) Vascular online courses. The goal of the curricula is to provide the Sonographer/Echocardiographer with a comprehensive bundle of self-paced courses covering relevant topics. This online tuition expires 180 days after the system install.

| 2 | ** | **L12-5 & L18-5 Transducer Bundle** | 1 |

L12-5 Transducer:
Fine pitch, 256 element, high resolution linear array transducer with 12 to 5 MHz extended operating frequency range for high resolution superficial applications, including small parts, breast, vascular and musculoskeletal imaging. Can also be used for pediatric radiology, obstetrical, and abdominal applications.

L18-5 Transducer:
Ultra-fine pitch, 288 element, high resolution linear array transducer with 18 to 5 MHz extended operating frequency range for high resolution superficial applications, including small parts, breast, superficial vascular, pediatric radiology, and musculoskeletal imaging.

| 3 | ** | **Musculoskeletal Clinical Option** | 1 |

Musculoskeletal Clinical Option:
The Musculoskeletal Clinical Option was developed to support the expanding application area of musculoskeletal ultrasound. The musculoskeletal Tissue Specific Imaging settings support high resolution broadband transducers including L18-5, L12-5 50mm, L12-4, L12-3 and L15-7io (Affiniti 70) and L18-5, L12-5 50mm, L12-4, and L15-7io (Affiniti 50). These TSI settings enable clinicians to select General or Superficial imaging setting.

| 4 | ** | **L15-7io Transducer** | 1 |

Compact high resolution linear array transducer with 15 to 7 MHz extended operating frequency range for intraoperative vascular imaging. Also supports high-resolution superficial venous and arterial studies, pediatric radiology, and small parts applications.

| 5 | ** | **C5-1 PureWave Transducer** | 1 |

For Affiniti G and W:
PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. C5-1 PureWave Curved Array for high performance OB/GYN, Abdominal and Interventional applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.
For Affiniti C:
PureWave curved array transducer with 5 to 1 MHz extended operating frequency range. C5-1 PureWave Curved Array for high performance Fetal echo, Vascular, Abdomen, Pediatric Radiology and Urology applications. Now, one transducer provides exceptional clinical performance for a wide range of patient types including obese and technically challenging patients.

| 6 | ** | **English Manual** | 1 |

Operation Manual

| 7 | ** | **US2798 Affiniti CTC3** | 1 |

Course Number: US2798
System Codes: 795208, 795209, 795210, 795211
Course Title: Affiniti Biomed
Course Length: 3 days
Delivery Method(s): Instructor Led Training
Modality: Ultrasound
Location: Cleveland, Best, Regional Training Centers
Target Audience: Customer Biomedical Engineers
DESCRIPTION:
This course focuses primarily upon equipment operation, maintenance and primary repair tasks. Ultrasound principles, board level theory, correct disassembly-reassembly, system diagnostics and system connectivity are covered to facilitate service and repair tasks. Hands-on lab exercise give the student experience using the system, configuring settings and performing troubleshooting and corrective maintenance tasks.

COURSE OBJECTIVES:
After completing this course, you will be able to:
• Describe the Affiniti products.
• Perform basic system operation.
• Explain board level theory.
• Perform disassembly and reassembly of the equipment as required to replace components.
• Perform mechanical adjustments.
• Configure and test system connectivity settings.
• Perform primary system diagnostics.