TRIANGLE WEDGE

LEG SUPPORT KIT

STIRRUPS (KNEE CRADLES)

CURTAIN HOLDER

EXAM ROOM OR CONTROL ROOM FOOTSWITCH FLUOROSCOPY AND FLUOROGRAPHY

TABLE MOUNTED RADIATION SHIELD WITH MOUNTING ADAPTER

MOUNTING ADAPTER FOR LEAD APRON

MAVIG TABLE MOUNTED RADIATION SHIELD

MAVIG 2.5 M CEILING TRACK FOR RADIATION SHIELDS, LIGHTS AND MONITORS

MAVIG PORTEGRA2 (75/90 CM) EXTENSION SPRING ARM WITH CENTER MOUNTED CONTOUR CUT-OUT SHIELD (61X76 CM)

MAVIG PORTEGRA2 (75/90 CM) EXTENSION SPRING ARM WITH M130F LED LAMP

_____ i multi-purpose FPD system adapts to meet you and your patients' needs today and for the years to come. This highly versatile X-ray system is capable of performing a wide range of procedures from within a compact R/F room space, providing you more value and versatility per square foot. This system is capable of supporting a variety of procedures in areas such as fluoroscopy, vascular, urology, pain management, G.I. studies, orthopedics, and more.

_____ has an ergonomic design to help you prioritize safety and support. Its multidirectional C-arm provides the unique angles that only a C-arm based system can provide and allows the system to work around the patient's position, enabling you to maintain patient stability and improved patient and operator access.. The adjustable height and tilt table is able to be positioned both horizontally and vertically and achieve low to the ground positions for unparalleled accessibility.

_____ integrates the comprehensive suite of dose management technology of a high end interventional X-ray lab to provide users with the latest dose management features to help reduce exposure to both patient and operator without compromising image quality.

_____ also comes with the innovative Harmony digital system for all-digital acquisition, processing and storage. This system provides true multi-tasking capabilities for faster exams and higher throughput with easy-to-operate controls.

STANDARD SYSTEM COMPONENTS
- Adjustable height and tilt table
- Multidirectional C-arm
- 17"x17" Cesium Flat Panel Detector
- Harmony digital processor
- Triple-focus X-ray tube 1200 kHU (0.3/0.6/1.0)
- High-frequency 80 kW generator with pulse fluoro
- 21" LCD control room monitor
- 19" grayscale control room monitor
- Liquid Metal Bearing Tube
- Remote & local control consoles
- Collimator with light

KEY FEATURES

Dose Management

        comes standard with a comprehensive suite of dose management technology providing the latest in dose management features for both patient and operator without compromising image quality.

- Digital image acquisition and processing for quick processing, editing and storing of images.
- Tantalum Filter helps eliminates low-energy X-rays and decreases the high-energy X-rays that create scatter.
- Removable Anti Scatter Grid can be utilized during sensitive low-scatter situations.
- 3 variable dose modes are available during fluoroscopy, including 100%, 60%, or 40%, based on the required exposure dose and can be changed with just the push of a button.
- Grid pulse fluro reduces unnecessary patient exposure by reducing X-ray exposure that doesn't contribute to the diagnostic image.
- Remote control console can be utilized to minimize exposure to the operator by operating the system safely from the control room.
- Super Noise Reduction Filter (SNRF) enables clinicians to achieve significant noise reduction while maintaining high temporal resolution.
- Advanced Digital Compensation Filter (ADCF) provides real time enhancement of fluoroscopic images to obtain optimum image quality under the most difficult circumstances.
- Last Image Hold (LIH) displays the last fluoroscopic image for review without further exposure.
- Virtual collimation lets you position the collimator using LIH without fluoroscopy use.
- Prospective and retrospective fluoro record/store can be used to replace digital acquisition (DA) resulting in significant dose reduction.
- DAP meter to accurately measure radiation exposure

Local and Remote Control Consoles

Identical integrated local and remote control consoles come standard and help put the power back in the hands of the operator with positioner and X-ray generator controls. Some of the user-friendly controls include:

- Set desired C-arm position with one touch
- Register and reproduce C-arm angles with auto-memory
- Permanently store clinically preferred sequences with auto-positioning
- Control the field size of the FPD
- Set the collimation and both tantalum and aluminum compensation filters
- Perform image processing and playback
- Select fluoroscopy mode
- Switch the FPD from AP to the PA position and back with one touch

- Display tilt angle, LAO/RAO angle, CRA/CAU angle, SID, and C-arm vertical position

Digital Imaging System

This all-digital acquisition, processing and storage system improves throughput, shortens exam times and reduces the costs of film, handling and storage associated with conventional radiography. The system increases access to fluoroscopic and radiographic images and speeds critical information to the point of care.

Other Features
- Single or serial digital spot imaging with acquisition rates up to 15 FPS at 1024x1024 x 16-bit
- Digital processor equipped with a comprehensive package of image-processing features
- DICOM print and store
- Optional DICOM MWM or DICOM MWM and MPPS

Specifications:
- Windows 7 platform
- 70,000 image storage capacity for 1024 x 1024 14 bits or 16 bits

X-ray Tube and Flat Panel Detector Warranty

All X-ray tubes and flat panel detectors carry a twelve month non-prorated warranty.
- Initial 12 months – free replacement
- If a tube fails within the first 12 months, it will be replaced at no cost to the customer.
- The replacement tube will carry the free replacement warranty for the remainder of the 12 months from the time of the first installation.

EQUIPMENT DESCRIPTION

High-Frequency Inverter 80 kW Generator with Pulse Fluoro

features a powerful 80 kW generator giving you the power to produce the images you need. The generator can also perform grid pulsed fluoro at a rate of 1, 2.14, 3.75, 7.5, 15 fps which helps eliminate leading and trailing edge soft radiation to the patient's skin.

The color LCD touch panel provides intuitive display for optimum generator control including table selection of pulse fluoro and manual control of kV, mA, and time or kV and mAs. The generator also has pre-programmed techniques for automatic exposure control (AEC) and anatomically programmed radiography (APR) with user-programmable keys.

Other Features
- Single-cabinet design with high-voltage transformer inside
- Microprocessor X-ray control with semi-conductor inverter power system
- Grid-pulse fluoro generator control
- High-voltage transformer
- High-speed starter
- Auto-calibration
- Self-diagnostic function
- Automatic tube-voltage regulator (ATR) automatically tracks fluoroscopic kV to set optimum level

Specifications
- Fluorography ratings:
- 1,000 mA at 80 kV
- 800 mA at 100 kV
- 630 mA at 125 kV
- 500 mA at 150 kV
- Fluorography kV range: 40 to 150 kV in 1 kV steps
- Fluorography mA range: 25 to 1,000 mA in 20 steps
- Maximum serial exposure rate:
- DA max 15 exposures per second
- DSA max 7.5 exposures per second
- Fluorography continuous kV range: 50 to 120 kV in 1 kV steps
- Fluorography continuous mA range: 0.5 to 4.0 mA in 0.1 mA steps
- Pulsed fluoroscopy kV range: 50 kV to 115 kV
- Pulsed fluoroscopy mA range: 10 mA to 100 mA
- Pulsed fluoroscopy rate: 1, 2.14, 3.75, 7.5, 15 fps
- Input voltages: three phase, 200/220/380/400/415/440/480 VAC

17"x17" Cesium Flat Panel Detector
The large 43 cm x 43 cm / 17" x 17" flat panel detector is the foundation for flexibility. The detector provides 4 FOV levels, a fine pixel pitch of 148 microns, and a large dynamic range of up to 65,536 gray levels (16 bits) which enables more coverage and high-resolution imaging capabilities for improved visualization.

Adjustable Height and Tilt Table
The height adjustable table has a range from 52 cm to 130 cm / 20.5" to 51" which allows for easy patient transfer and adjustable working height. Prioritize staff and patient safety, with low-to-the-ground transfer positions. The adaptable 1_____ table can be tilted +/-89 degrees to a horizontal or vertical position which may be ideal for those with mobility concerns. The

extra wide 60 cm / 24" table also helps in supporting a larger patient population.

Specifications
- 60 cm / 23.62" wide and 231 cm / 90.94" long
- Maximum table weight limit is as follows in regards to the maximum table weight, patient weight, and accessories' weight.
- Tilting or head-down tilting: 401 lbs / 352 lbs / 48 lbs
- Horizontal position: 548 lbs / 500 lbs / 48 lbs
- With urological accessories mounted: 374 lbs / 297 lbs / 77 lbs
- CPR support: 725 lbs / 500 lbs / 224 lbs
- Tilts +/- 89 degrees
- Minimum horizontal patient loading/unloading table height:
- 52 cm / 20.47" (PA)
- 53 cm / 20.86" (AP)
- Table elevator movement range (from floor to tabletop in RAO/LAO = 0, CRA/CAU=0):
- 80 cm to 130 cm / 31.49" to 51.18"(PA)
- 78cm to 130 cm / 30.70" to 51.18" (AP)
- Transverse table movement of 48 cm / 18.89" (28 cm / 11" operators side and 20 cm / 7.87" gantry side)
- Vertical movement up to 29 cm / 11.41" to C-Arm center
- Removable footrest that can be positioned on either side of the table
- Touch switches and safety interlocks incorporated into the design

C-Arm

_____ multidirectional C-Arm works around the patient to provide unrivaled diagnostic views while keeping the patient is in a single stable position.

Features
- Move the tube above or below the patient (AP to PA) with just the push of a button
- Rotation in multiple directions for extreme flexibility
- Extended longitudinal movement for head to toe patient coverage

Specifications
- Longitudinal movement
- 52 cm to 215 cm / 20.47" to 84.64" PA
- 67 cm to 215 cm / 26.37" to 84.64" AP
- Rotation cranial/caudal movement (CRA/CAU)
- CRA up to 45 degrees
- CAU up to 45 degrees
- Sliding up to 131 degrees total
- RAO 90 degrees to LAO 41 degrees in PA

- RAO (RPO) 90 degrees to LAO (LPO) 41 degrees in AP
- Detector forward/backward movement: 10 cm to 45 cm / 3.93" to 17.71" in PA position (not independent in AP position)
- Adjustable SID of 88 cm to 123 cm / 34.64" to 48.42" in both AP and PA positioning

Standard System Accessories
- Short hand grips
- Long hand grips
- Shoulder rests
- Tabletop mat
- Adjustable footrest
- Microphone kit
- Exam room footswitch
- CPR table support

_____ marketing support online resource designed exclusively for _____ customers that helps you create outreach programs to generate awareness about your imaging services.
- Includes positioning and messaging guides to help you strategize your communications efforts and tactics
- Contains product information, ready-to-use collaterals, and ideas for creating custom materials to promote your new imaging capabilities

_____ gives you access to:
- Product images
- Clinical images
- PowerPoint presentations
- Sample brochures
- Sample press releases
- Marketing strategy tutorials
- _ _

Offerings may vary per product

Build demand by:
- Sending a press release
- Developing a strategic plan
- Creating brochures
- Finding tips on effective presentations

APPLICATION TRAINING
Each system includes a two phase education program and the industry exclusive Performance Pro guarantee.

is a unique approach to education utilizing blended learning with the promise of technical proficiency and optimal productivity. If for any reason the customer is not satisfied with any portion of the training _____ will conduct that portion of the training again, at no charge.

Phase II: An initial thirty-two (32) hours, of on-site education will be provided at the customer facility during system go-live. This training is provided for up to four (4) imaging professionals, to focus on maximizing imaging techniques, protocols and system operation. Training is scheduled consecutively, Monday through Friday, with Monday mornings and Friday afternoons scheduled as travel time for the applications specialist. CE credits are earned by participants that attend the Phase II training event in its entirety.

Phase III: An additional thirty two (32) hours of on-site education will be provided for the same four (4) imaging professionals, which participated in Phase II training, approximately 6-8 weeks following installation to optimize staff proficiency and system productivity.

Note: _____ personnel are not responsible for imaging patients, patient safety, any actual patient contact, or operation of equipment during education sessions. _____ will only demonstrate proper equipment operation.

The training is offered to the Customer at no charge, providing that it is completed no later than one (1) year after the warranty start date.

Additional onsite training is available for purchase.

Applications support is available by phone _____

COMPONENT SUMMARY:

MULTIPURPOSE X-RAY SYSTEM 17"X17" FPD WITH PULSE FLUORO

LCD FLAT-PANEL COLOR MONITOR 21

- 21.3" LCD monitor
- 1600x1200 display matrix
- 420 cd/m² luminance (typical)

19" COLOR MONITOR

CD-R / DVD-R / DICOM VIEWER

- Compatible with Harmony Imaging System
- Image storage for CD-R or DVD-R

RAW DATA BACKUP KIT

This option is a software that enables backup storage of exam images. Recommended USB drive that is compatible with option is   64GB USB flash drive

INSTALLATION KIT

BASE PLATE FOR 19" LCD DESKTOP MONITOR

TABLE/ADJUSTMENT DEVICE

FLUORO RECORD

package enables up to 512 frames of the most recent fluoroscopic images can be temporarily stored in memory. These frames can be transferred to the hard disk during post-processing.

LOCAL CONTROL CONSOLE

This feature provides a Joystick-type local control console cart which is installed in the examination room. A reference monitor can be mounted on local control cart for viewing by the clinician. The local control console is equipped with operational controls for the table and the X-ray high-voltage generator.

Note: The TV monitor is not included and cannot be used with the dual style cart or dual suspension configuration.

LOCAL KEYPAD FOR

EXAM ROOM OR CONTROL ROOM FOOTSWITCH FLUOROSCOPY AND FLUOROGRAPHY

Footswitch for radiography and fluoroscopy functions. It is placed on the floor inside the examination or operation room.

EXAMINATION ROOM MICROPHONE KIT

Exam room microphone that enable voices and other sounds transmitted to the control room using a highly sensitive microphone. The volume and bass/treble can be adjusted.

DICOM MPPS AND MWM

Provides query functionality of patient exam information from a DICOM compliant HIS/RIS.

Includes:
- DICOM print and store
- DICOM MWM (HIS/RIS) and MPPS

MAVIG CEILING SUSPENSION FOR 2.5M TRACK FOR 2 LCD MONITORS WITH 2.5M TRACK, COLUMN, AND TROLLEY

The Mavig ceiling track mounted dual monitor suspension with 2.5M track, column, and trolley supports a load of up to 34.0 kg (75.0 lbs) with a flexible spring arm and internal cabling.

- Standard length of ceiling column: 300 mm
- Ceiling tracks lengths: 2500 mm

Note: Monitor is not included with this item

19" COLOR MONITOR AND CABLING FOR A MONITOR SUSPENSION

19" COLOR MONITOR

ADVANCED ANGIO PACKAGE INCLUDING REFERENCE MONITOR SUPPORT KIT WITH MONITOR

ADVANCED ANGIO PACKAGE INCLUDING REFERENCE MONITOR SUPPORT KIT

Advanced Angiography Package software that enables the following functions: DSA, fluoroscopy subtraction mode, pixel-shifting mode, real-time edge enhancement and a mode, which can transfers images to reference monitor.

19" COLOR MONITOR

HIGH-SPEED ACQUISITION KIT
High speed acquisition kit composed of a high-speed large-capacity hard disk that supports fluoroscopic image recording at 30 fps and 8k-image high-speed acquisition at up to 3.75 fps for DR and DA. Provides a maximum image storage capacity of 140,000 frames for 1k-resolution images.

DICOM STORAGE COMMIT SERVICE KIT (VA/DOD)

TABLESIDE CONSOLE
Mounted on the tabletop to permit the system to be operated at the tableside. Operation controls are provided for C-arm movement, FPD horizontal movement, and compensation filter movement, X-ray beam-limiting device operation, table vertical movement, auto-positioning, and home positioning.

TRIANGLE WEDGE

LEG SUPPORT KIT

STIRRUPS (KNEE CRADLES)
Pair of knee cradles that can be attached to the tabletop rails.

CURTAIN HOLDER
Rail for supporting curtain. Mounts onto optional leg supports XBUM-KNEE.

EXAM ROOM OR CONTROL ROOM FOOTSWITCH FLUOROSCOPY AND FLUOROGRAPHY
Footswitch for radiography and fluoroscopy functions. It is placed on the floor inside the examination or operation room.

TABLE MOUNTED RADIATION SHIELD WITH MOUNTING ADAPTER

MOUNTING ADAPTER FOR LEAD APRON
This is an adapter which clamps to the beveled tabletop edge of the Ultimax. A hanging lead apron can then be attached to this adapter.

MAVIG TABLE MOUNTED RADIATION SHIELD
Provides additional radiation protection from direct and scatter X-ray exposure.

- Mounts or   tableside rails, reversible for right or left side mounting
- Three-piece radiation shield assembly:
- Main shield: 181 mm x 645 mm
- Angled side shield: 700 mm x 645 mm
- Tabletop scatter shield: 700 mm x 700 mm (removes to facilitate patient loading)
- Wall storage holders:
- Upper shield: 600 mm
- Lower shield: 460 mm
- Includes mini-rail for mounting table-function controls, if desired.

1 MAVIG 2.5 M CEILING TRACK FOR RADIATION SHIELDS, LIGHTS AND MONITORS

The Mavig 2.5 M Ceiling Track enables up to two devices (maximum of one light) to be mounted on a single trolley. The 360 column with trolley has one electrified pin with 330 degrees of rotation capability and a lower pin with 360 degrees of rotation. Each pin has a load capacity of 18 kgs. Each trolley comes standard with a Brake Handle Strap which makes the system more user friendly.

MAVIG PORTEGRA2 (75/90 CM) EXTENSION SPRING ARM WITH CENTER MOUNTED CONTOUR CUT-OUT SHIELD (61X76 CM)

The MAVIG Center Mounted Contour Cut-Out Shield measures 76 cm by 61 cm and includes a Portegra2 Extension Spring Arm with two arms measuring 75 cm and 90 cm. The transparent acrylic shield contains 0.50 mm Pb and is easily manipulated into position by use of a height adjustable handle.

MAVIG PORTEGRA2 (75/90 CM) EXTENSION SPRING ARM WITH M130F LED LAMP

The MAVIG M130F LED Lamp provides 60,000 LUX of focusable light ranging from 14 to 25 cm field size.