

MULTIPURPOSE X-RAY SYSTEM 17"X17" FPD WITH PULSE
FLUORO
LCD FLAT-PANEL COLOR MONITOR 21
19" COLOR MONITOR
CD-R / DVD-R / DICOM VIEWER
RAW DATA BACKUP KIT
ULTIMAX INSTALLATION KIT
BASE PLATE FOR 19" LCD DESKTOP MONITOR
TABLE/ADJUSTMENT DEVICE
FLUORO RECORD
LOCAL CONTROL CONSOLE
LOCAL KEYPAD FOR LCF-30C
EXAM ROOM OR CONTROL ROOM FOOTSWITCH
FLUOROSCOPY AND FLUOROGRAPHY
EXAMINATION ROOM MICROPHONE KIT
MOTORIZED COMPRESSION CONE
19" COLOR MONITOR
DICOM MPPS AND MWM
CEILING SUSPENSION FOR 2 LCD MONITORS (13' 4" RAILS)
WITH CABLE CARRIER KIT
CEILING SUSPENSION FOR 2 LCD MONITORS (13' 4" RAILS)
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
19" COLOR MONITOR

HIGH-SPEED ACQUISITION KIT

DICOM STORAGE COMMIT SERVICE KIT (VA/DOD)

ACCESSORY STORAGE RACK

SINGLE ARM BOARD

TABLESIDE CONSOLE

EXAM ROOM OR CONTROL ROOM FOOTSWITCH

FLUOROSCOPY AND FLUOROGRAPHY

REMOTE DESK 160 CM WIDE 68 CM TALL

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

MAVIG PORTEGRA2 (95/90 CM) EXTENSION SPRING ARM
WITH CENTER MOUNTED CONTOUR CUT-OUT SHIELD
(61X76 CM)

SINGLE PHASE UPS KIT FOR ULTIMAX-I

SINGLE PHASE UPS

UPS CONNECTION KIT

ULTIMAX-I BIOMED SERVICE COURSE - TUITION ONLY

PURCHASABLE OPTIONS:

MAVIG PORTABLE SHIELD (BODY-
CONTOURED)

1 BOX OF 20 STERILE DISPOSABLE
COVERS FOR PORTABLE SHIELD
(BODY-CONTOURED)

MAVIG PORTEGRA2 (90/95 CM)
EXTENSION SPRING ARM WITH
M130 LED LAMP - EXTENDED ARM

TIMS 2000 DIGITAL VIDEO
RECORDER KIT

TIMS DICOM REVIEW SOFTWARE

MEDRAD / BAYER MARK 7
ARTERION INJECTOR (PEDESTAL
MOUNT)

The 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.

The 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.

The 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.

The also comes with the innovative 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
- 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" color 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 fluoro 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

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

The 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 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

The multidirectional C-Arm works around the patient to provide unrivaled diagnostic views while keeping the patient 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
- Compression cone
- 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

access to:

- Product images
- Clinical images
- PowerPoint presentations
- Sample brochures
- Sample press releases
- Marketing strategy tutorials
- Updates

**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.

Performance Pro 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

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

LFH 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.

MOTORIZED COMPRESSION CONE

Motorized compression cone device mounted on the C-arm that is used to compress the abdomen during fluorography and contrast imaging of the digestive tract. Can be used in both the AP and PA positions. This device is composed of a compression cone and a barium cup holder for the AP position and a holder that is mounted to the tabletop.

19" COLOR MONITOR

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

CEILING SUSPENSION FOR 2 LCD MONITORS (13' 4" RAILS) WITH CABLE CARRIER KIT

CEILING SUSPENSION FOR 2 LCD MONITORS (13' 4" RAILS)

The flat-panel monitor suspension system provides flexibility in display positioning in a sleek, unobtrusive design. This custom suspension package utilizes dual-axis mounting for independent monitor positioning, a convenient counterbalanced arm for vertical adjustment, and concealed cable routing.

- 42" sweep radius
- 25" vertical travel
- 180° rotation

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.

Note: Reference monitor kit is included with this package.

1 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 3k-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)

ACCESSORY STORAGE RACK

SINGLE ARM BOARD

Carbon fiber arm rest for the right or left side. One is included standard with table.

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.

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.

REMOTE DESK 160 CM WIDE 68 CM TALL

This Remote Control Console desk measuring 160 cm wide and 68 cm tall. The remote control console, live monitor, system monitor, image processor keyboard, etc. can be placed on this desk.

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2.5 M CEILING TRACK FOR RADIATION SHIELDS, LIGHTS AND MONITORS

The 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.

(95/90 CM) EXTENSION SPRING ARM WITH CENTER MOUNTED CONTOUR CUT-OUT SHIELD (61X76 CM)

The Center Mounted Contour Cut-Out Shield measures 76 cm by 61 cm and includes a Extension Spring Arm with two arms measuring 95 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.

SINGLE PHASE UPS KIT FOR ULTIMAX-I

SINGLE PHASE UPS

UPS CONNECTION KIT

BIOMED SERVICE COURSE - TUITION ONLY

This course is for Engineers experienced in XR and imaging who will service the system. At the completion of this course, the student will be proficient in the following areas: system operation, configuration, calibration, preventative maintenance procedures and troubleshooting and repair procedures for the most common system problems on the system.

The price for this course includes tuition only. Airfare, lodging, car rental and meals are not included.

OPTIONS

PORTABLE SHIELD (BODY-CONTOURED)

The new mobile shield developed by provides mobile X-ray protection in any location where X-ray protection is currently absent or lacks flexibility, leaving your safety at risk and disrupting your work routine.

Dramatic reduction of the effective yearly dose, especially in work areas with high radiation exposure. The mobile radiation shield offers smooth and feather-light height adjustment from 1060 mm to 1360 mm. There are no complicated releases or levers to adjust height. That means in one fluid motion, height and position can be changed and aligned throughout the procedure as required. It's anatomically formed for a close body fit. Higher work comfort when lighter personal protective aprons are worn. Easy and comfortable control pedal use. Electrically conductive casters with rear brakes and front cable deflectors ensure that the shield can be positioned safely and moved freely within the room. Flexible radiation protective drape with a Pb value of 0.50 mm. Covered in dual mandarin/titan colored cover. Form-fitted, sterile disposable covers: 1 Box of 20 covers is included.

Dimensions:

- Height: 1060 mm – 1360 mm
- Width: 635 mm
- Depth: 562 mm

1 BOX OF 20 STERILE DISPOSABLE COVERS FOR PORTABLE SHIELD (BODY-CONTOURED)

Form-fitted, sterile disposable covers: 1 Box of 20 covers.

(90/95 CM) EXTENSION SPRING ARM WITH LED LAMP - EXTENDED ARM

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

Includes a 95/91 cm suspension arm.

DIGITAL VIDEO RECORDER KIT

SP Digital Video Recorder with direct connection to Kalare RF System to provide real time dynamic capture, record and review of images. Designed to improve workflow and productivity, especially for those in speech pathology and endoscopy applications.

- Includes advanced workflow and productivity features
- Stop watch timer for timing swallow events
- Advanced labeling for swallow consistencies
- Simple & powerful editing
- Direct connection capture of live fluoroscopic images
- High resolution image recording up to 30 fps
- Touch Screen monitor for easy review and playback
- Audio package for recording case study information
- Images can be recorded on CD/DVD/USB and sent to PACS
- Including a high quality Rubbermaid Medical Cart

TIMS DICOM REVIEW SOFTWARE

TIMS DICOM Review Software (option) allows studies to be sent from the TIMS 2000 SP workstation in the fluoroscopy room to any computer in the speech pathology lab or speech pathologist office.

- Provides remote review & analysis with full TIMS 2000 SP functionality (except study capture)
- Frees the fluoro room immediately for the next patient
- Studies can then be edited & reviewed at any time outside of the fluoro room
- Annotate studies with swallow consistencies
- Time swallow events
- Burn studies to CD/DVD/USB
- Send studies, or portions of studies, to PACS
- Review studies with the patient or the patient's family at any time

INJECTOR (PEDESTAL MOUNT)

The Pedestal injector takes advantage of latest technologies, making it light, maneuverable and easy to use.

Includes:

- Ergonomic injector head handle for easier maneuverability
- Unique front-load syringe
- Injector installation by