

REQUESTING SERVICE: RADIOLOGY SERVICE  
SHIP TO: CHIEF, A&MM  
V.A. Medical Center  
700 SOUTH 19TH ST  
BIRMINGHAM, AL  
REQUISITION: 521-B92034

<u>QTY</u>	<u>DESCRIPTION</u>
1	MULTIPURPOSE X-RAY SYSTEM 17"X17" FPD WITH PULSE FLUORO
1	LCD FLAT-PANEL COLOR MONITOR 21 FOR FOR XR/VL SYSTEMS ONLY
1	19" GRAYSCALE MONITOR
1	CD-R / DVD-R / DICOM VIEWER
1	RAW DATA BACKUP KIT
1	ULTIMAX INSTALLATION KIT
1	BASE PLATE FOR 19" LCD DESKTOP MONITOR
1	TABLE/ADJUSTMENT DEVICE
1	FLUORO RECORD
1	LOCAL CONTROL CONSOLE
1	LOCAL KEYPAD FOR LCF-30C
1	EXAM ROOM OR CONTROL ROOM FOOTSWITCH FLUOROSCOPY AND FLUOROGRAPHY
1	MOTORIZED COMPRESSION CONE
1	EXAMINATION ROOM MICROPHONE KIT
1	OVERHEAD TUBE CRANE PACKAGE
1	OVERHEAD TUBE SUPPORT PACKAGE FOR ULTIMAX
1	CEILING RAIL INSTALLATION BLOCK
1	CEILING RAIL (LATERAL: 2000 MM, LONGITUDINAL: 4400 MM)
1	14X17 WIRELESS FPD KIT FOR ULTIMAX-I (SINGLE CONSOLE INTEGRATION)
1	WIRELESS ACCESS POINT (CISCO AIRONET 2802I)
1	CISCO AIRONET POE INJECTOR
1	14X17 WIRELESS FPD KIT FOR ULTIMAX-I (SINGLE CONSOLE INTEGRATION)
1	GRID 10:1 FOR WALLSTAND, 200 LPI, FD 130 CM, RANGE 40-72"
1	RAD FUNCTION

<b><u>QTY</u></b>	<b><u>DESCRIPTION</u></b>
1	DICOM MPPS AND MWM
1	MAVIG CEILING SUSPENSION FOR 4.0M TRACK FOR 2 LCD MONITORS WITH 4.0M TRACK, COLUMN, AND TROLLEY
1	19" COLOR MONITOR AND CABLING FOR A MONITOR SUSPENSION
1	19" COLOR MONITOR
1	ADVANCED ANGIO PACKAGE INCLUDING REFERENCE MONITOR SUPPORT KIT AND MONITOR
1	ADVANCED ANGIO PACKAGE INCLUDING REFERENCE MONITOR SUPPORT KIT
1	19" GRAYSCALE MONITOR
1	TILTING STAND KIT DR-R BUCKY ROTATION, RIGHT LOAD
1	TILTING WALLSTAND, RIGHT LOAD
1	DICOM STORAGE COMMIT SERVICE KIT (VA/DOD)
1	ACCESSORY STORAGE RACK
1	SINGLE ARM BOARD
1	PATIENT BAND SET
1	TABLESIDE CONSOLE
1	TRIANGLE WEDGE
1	LASER PROJECTOR FOR UNDER-TABLE TUBE
1	LEG SUPPORT KIT
1	STIRRUPS (KNEE CRADLES)
1	EXAM ROOM OR CONTROL ROOM FOOTSWITCH FLUOROSCOPY AND FLUOROGRAPHY
1	CXDI REJECT ANALYSIS MODULE
1	SCATTER CORRECTION SOFTWARE FOR CXDI CONTROL CONSOLE
1	CXDI BATTERY CHARGING UNIT
1	14" X 17" WEIGHT DISTRIBUTION CAP FOR CXDI DETECTOR
1	TABLE MOUNTED RADIATION SHIELD WITH MOUNTING ADAPTER
1	MOUNTING ADAPTER FOR LEAD APRON
1	MAVIG TABLE MOUNTED RADIATION SHIELD
1	MAVIG PORTEGRA2 (75/90 CM) EXTENSION SPRING ARM WITH CENTER MOUNTED CONTOUR CUT-OUT SHIELD (61X76 CM)

<u>QTY</u>	<u>DESCRIPTION</u>
1	TIMS 2000 DIGITAL VIDEO RECORDER KIT
1	TIMS 2000 DIGITAL VIDEO RECORDER
1	TIMS DICOM REVIEW SOFTWARE

The Ultimax-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. This system provides further enhanced clinical flexibility with the overhead tube crane and wall stand.

The Ultimax-i 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 Ultimax-i 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 Ultimax-i 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" color monitor
- Liquid Metal Bearing Tube
- Remote & local control consoles
- Collimator with light

## **KEY FEATURES**

### **Dose Management**

Ultimax-i 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

### **Harmony 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 Ultimax-i 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: (Requires Optional Software)
  - 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.

### **Tilting 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 Ultimix-i 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 Ultimax-i 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)
  - AP CRA/CAU: CRA of 45 to 0 degrees to CAU of 45 degrees
  - PA CRA/CAU: CRA of 45 to 0 degrees to CAU of 45 degrees
- Speed: 4 to 12 degrees per second, variable
- Sliding (RAO/LAO movement):
  - RAO of 90 to 0 degrees to LAO of 41 degrees
- Speed: 5 to 15 degrees per second, variable
- Vertical movement of the FPD: 35 cm (not independent in AP)



- SID:
  - 88 cm to 123 cm (AP)
  - 88 cm to 123 cm (PA)

### **Standard Accessories**

- Short hand grips
- Long hand grips
- Shoulder rests
- Tabletop mat
- Adjustable footrest
- Microphone kit
- Exam room footswitch
- Compression cone
- CPR table support

### **Image Maker Express**

The Image Maker Express is a marketing support online resource designed exclusively for our 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

Image Maker Express 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.

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, Canon Medical Systems will conduct that portion of the training again, at no charge.

**Phase II:** Two consecutive weeks, thirty-two (32) hours each week, 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: Canon Medical Systems personnel are not responsible for imaging patients, patient safety, any actual patient contact, or operation of equipment during education sessions. Canon Medical Systems 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 on the toll-free ASSIST line, 1-800-521-1968

**QTY   DESCRIPTION**

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

**1   LCD FLAT-PANEL COLOR MONITOR 21 FOR FOR XR/VL SYSTEMS ONLY**

- 21.3" LCD monitor
- 1600x1200 display matrix
- 420 cd/m<sup>2</sup> luminance (typical)

**1   19" GRAYSCALE MONITOR**

**1   CD-R / DVD-R / DICOM VIEWER**

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

**1   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 TOSHIBA 64GB USB flash drive (TNUA064G).

**1   ULTIMAX INSTALLATION KIT**

**1   BASE PLATE FOR 19" LCD DESKTOP MONITOR**

**1   TABLE/ADJUSTMENT DEVICE**

**1   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.

**1   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.

**1   LOCAL KEYPAD FOR LCF-30C**

**1 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.

**1 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.

**1 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.

**1 OVERHEAD TUBE CRANE PACKAGE**

**1 OVERHEAD TUBE SUPPORT PACKAGE FOR ULTIMAX**

**Overhead X-Ray Tube and Conveyor**

- 300 kHU X-ray tube with 0.6 and 1.2 mm focus
- Tube rotation of vertical axis:  $\pm 180^\circ$
- Tube rotation of horizontal axis:  $+150^\circ$  to  $-180^\circ$
- Telescopic column assembly with vertical travel of 5' 5"
- 360-degree user handle for improved ergonomics and positioning
- User friendly display/interface

*Note: OTC is intended to be used with DREX-UI80/U4 model or higher.*

**1 CEILING RAIL INSTALLATION BLOCK**

**1 CEILING RAIL (LATERAL: 2000 MM, LONGITUDINAL: 4400 MM)**

**1 14X17 WIRELESS FPD KIT FOR ULTIMAX-I (SINGLE CONSOLE INTEGRATION)**

**1 WIRELESS ACCESS POINT (CISCO AIRONET 2802I)**

**1 CISCO AIRONET POE INJECTOR**

**1 14X17 WIRELESS FPD KIT FOR ULTIMAX-I (SINGLE CONSOLE INTEGRATION)**

- DR wireless flat panel for the single console solution on Ultimax-i
- Wireless Connection: Wi-Fi (2.4 GHz and 5 GHz bands)
- Amorphous Silicon (a-Si) Flat Panel Detector and a Cesium Iodide (CsI) scintillator

- Pixel array: 2280 x 2800 pixels (Vertical x Horizontal)
- Pixel pitch: 148 µm
- Imaging area: 355 mm x 426 mm (13.97" x 16.77")
- Physical dimensions: 15.1" x 18.1" x 0.6"
- Weighs 6.17 lbs. with battery

**1 GRID 10:1 FOR WALLSTAND, 200 LPI, FD 130 CM, RANGE 40-72"**

**1 RAD FUNCTION**

**1 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

**1 MAVIG CEILING SUSPENSION FOR 4.0M TRACK FOR 2 LCD MONITORS WITH 4.0M TRACK, COLUMN, AND TROLLEY**

The Mavig ceiling track mounted dual monitor suspension 4.0M 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: 4000 mm

*Note: Monitor is not included with this item*

**1 19" COLOR MONITOR AND CABLING FOR A MONITOR SUSPENSION**

**1 19" COLOR MONITOR**

**1 ADVANCED ANGIO PACKAGE INCLUDING REFERENCE MONITOR SUPPORT KIT AND MONITOR**

**1 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.

**1 19" GRAYSCALE MONITOR**

**1 TILTING STAND KIT DR-R BUCKY ROTATION, RIGHT LOAD**

- Motorized receptor tilt range: +90° / -15°
- Receptor angulation gauge for easy visualization of tilt angle
- Vertical travel: 60.0" (153 cm)
- Minimum center pixel-to-Floor Distance: 13.75" (35 cm)
- Features the exclusive "EZ-GLIDE" Hand control for easy and precise movement
- FAIL-SAFE electromagnetic vertical braking system and integral counterbalancing ensure safe, easy use
- Rotating Bucky tray handles the wireless 14" x 17" DR cassette which allows for quick and easy positioning from portrait to landscape and can be used with the system for manual collimation only.

**1 TILTING WALLSTAND, RIGHT LOAD**

**1 DICOM STORAGE COMMIT SERVICE KIT (VA/DOD)**

**1 ACCESSORY STORAGE RACK**

**1 SINGLE ARM BOARD**

Carbon fiber arm rest for the right or left side. One is included standard with CAT-850B table.

**1 PATIENT BAND SET**

- Patient band set attaches to the table
- Multiple layered velcro straps for securing patient

**1 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.

**1 TRIANGLE WEDGE**

**1 LASER PROJECTOR FOR UNDER-TABLE TUBE**

Indicates the center of the X-ray exposure field as the intersection point of two projected laser beams. Can only be used when the system is in the PA position.

**1 LEG SUPPORT KIT**

**1 STIRRUPS (KNEE CRADLES)**

Pair of knee cradles that can be attached to the tabletop rails.

**1 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.

**1 CXDI REJECT ANALYSIS MODULE**

- 1 license required per computer
- Aggregates multiple Exam Logs from different Canon control software NE installations
- Creates graphical reports on rejects based on Operator, Exam, and Date Range
- Create management reports

**1 SCATTER CORRECTION SOFTWARE FOR CXDI CONTROL CONSOLE**

**1 CXDI BATTERY CHARGING UNIT**

**1 14" X 17" WEIGHT DISTRIBUTION CAP FOR CXDI DETECTOR**

Provides additional protection for wireless detector during weight bearing examinations.

- Durable user friendly design
- Supports patients up to 750 lbs.
- For use with the 14" x 17" CXDI wireless detector

**1 TABLE MOUNTED RADIATION SHIELD WITH MOUNTING ADAPTER**

**1 MOUNTING ADAPTER FOR LEAD APRON**

This is an adapter which clamps to the beveled tabletop edge of the Ultimix. A hanging lead apron can then be attached to this adapter.

**1 MAVIG TABLE MOUNTED RADIATION SHIELD**

Provides additional radiation protection from direct and scatter X-ray exposure.

- Mounts on Canon Medical Systems Infinix-i 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 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.

**1 TIMS 2000 DIGITAL VIDEO RECORDER KIT**

TIMS 2000 SP Digital Video Recorder with direct connection to Kalare RF System or Ultimex 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
- Includes Trigger Kit and Video Cables
- Includes applications training
- Including a high quality Rubbermaid Medical Cart

**1 TIMS 2000 DIGITAL VIDEO RECORDER**

**1 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