REQUESTING SERVICE: RADIOLOGY SERVICE
SHIP TO: SUPPLY WAREHOUSE
V.A. Medical Center
BUILDING 36
79 MIDDLEVILLE RD
NORTHPORT, NY 11768

REQUISITION: 632-B61013

Item No.	Qty	Catalog No.	Description
			Precision 500D
	1		**Precision 500D**
1	1		Precision 500D Digital Base System with 16 Inch/40 Centimeter Image Intensifier

Precision 500D FULL Digital base System with 16 Inch/40cm Image Intensifier with FlashPad

The Precision 500D Features a High-Frequency 65KW generator integrated into a single space savings cabinet.

The Console consists of a 19 inch (48.36 cm) color touch-screen for adjusting X-Ray generation controls, Digital Review, Filming Parameters, a hand switch for making radiographic X-ray exposures, an interface module for X-Ray control including on/off and reset switch, and a set of lights to indicate system status. The Precision 500D system includes both a 19 inch (48.26 cm) LCD color monitor for the Exam room and a 19 inch (48.26cm) touch screen LCD monitor in the control room.The control room monitor may be desk (included) or wall mounted (accessory option); and the examination room monitor may be ceiling suspended or mounted on a mobile cart. For Reference Imaging, a third monitor can be installed (optional): this is a second monitor in the exam room: 19 inch (48.26cm) LCD color monitor. Installation with a ceiling dual monitor suspension.

- The Basic Package Features the Following:
  - LFOV - 16/12/9/6-1/2 Inch QX-Spec Image Intensifier
  - CCD Imaging System
  - Digital Fluoroscopy 1024 x 1024 x 12-Bit Rapid Fluoro Frame Acquisition:1 to 30 FPS
  - Digital Radiographic 1024 x 1024 x 12-Bit Single Frame or Rapid Acquisition: 1 to 7.5 FPS

- Patient Data, Image and Exam Management
  - Add / Delete Patient
  - Review / Edit Patient Info
  - Patient Select for Acquire / Review
  - Images Stored Under Patient Within Series (Runs) and Studies
  - Study Protection
  - On-Line Archival of up to 4,000 (1024 x 1024) Images on Hard Disk with 256 MB RAM for Capturing Images in Rapid-Acquisition Mode
  - SmartFluoro in Fluoroscopy (7 Settings)
  - Last Image Hold in Fluoroscopy.

- Digital Radiography up to 7.5 Images / Second with Edge Enhancement Filters (Real-Time and Post Processing - 4 Levels)
- 4-on-1 and 16-on-1 Image Display (Multiview)
- Horizontal and Vertical Digital Shutters with Automatic or Manual Adjustment.
- Image Contrast Invert
- Dynamic Series Review
- Infrared Remote Control

The Precision 500D Table Includes:

- 90/30 Tilting Table Base
- Intelligent Digital Device (IDD) User Interface Located at the Carriage Tower. It Includes:
  - Power Assist Handle with Speed Proportional to the Force Exerted on the Lever by the Operator.
  - Electromagnetic Locks Controlled at the IDD User-Interface. All Locks are Applied Automatically when Exposing a Digital Spotfilm or They May be Selectively Disengaged to Allow Panning During Bolus-Chase Studies.
  - No Spotfilm Device
  - Fluoroscopy Exposure Access Time is Less than .9 Seconds for All Digital Photospots
  - Motorized Grid (10:1) 60 Line / Centimeter (152 Line / Inch) Aluminum Interspaced May be Moved In and Out of the FOV.

- IDD Utilizes Graphical Electro-Luminescent (EL) Display Tilted at 35 Degrees in Conjunction with Other Controls for Complete System Control from Tableside. The Following Functionality is Available Tableside:
  - Table Angulation
  - Tabletop Motion (8-Way)
  - Fluoro and Record Actuation
  - Manual Collimation Controls
  - FOV Selection
  - Grid In/Out (Motorized)
  - Video Recorder On/Off
  - Digital Mode, which Makes the Following Controls Available: Variable Fluoro Noise Reduction Filters, Digital Record Frame Rate Selection, and Bolus Lock
  - Collimation Mode (Automatic or Manual)

- Compression Lock
- Lateral/Longitudinal Lock
- Cone In/Out
- Fluoro Timer Rest
- Total Patient Fluoro Time
- Table Bucky Mode

• Fluoro Carriage and Tower Provides Counterbalanced Support for Fluoro Tower and Maxiray 100 Fluoroscopic Tube Assembly. It has the Following Specifications:
  - Total Longitudinal Travel of 80.9 Centimeters (31.9 Inches)
  - Total Lateral Travel of 27 Centimeters (10.6 Inches)
  - When the Table is Vertical, There is a Maximum of 186.2 Centimeters (73.3 Inches) from the Fluoroscopic Beam to the Floor, for Cervical Esophagus Coverage on Patients up to 6 Foot 8 Inches (203.2 Centimeters) Tall.
  - 47.6 Centimeters (18.7 Inches) Maximum Caliper Opening Between Bottom of the Spotfilmer and Tabletop

• Fully Enclosed Steel Table Body for Radiation Protection
  - Variable Speed Angulation with Soft Start and Stop
  - Tabletop Longitudinal Drive is Interlocked with the Angulation Drive so that the Tabletop Automatically Shifts the Distance Necessary to Prevent Collision with the Floor and Ceiling
  - Myelographic Stop (Both Mechanical and Electrical)
  - Interlocked Patient Step Eliminates Need for Accessory Footstool

• Tabletop is a Gray Laminate Measuring 72 x 213 Centimeters (28.5 x 83.9 Inches) and Provides the Following:
  - 500 Pounds(226 Kilogram) Patient in the Horizontal Position (static) and 300 Pounds (136.08 Kilograms) Complete table movement with angulation. A Mylar Sub-Top Cover Protects the Internal Parts of the Table when the Top is Extended.
  - Radiocapacity of the Top and Sub-Panel is Less than 1 Millimeter Aluminum Equivalent at 100 kVp when Top is Centered
  - Motorized 8-Way Flat Tabletop
  - Normal Tabletop Longitudinal Extension is 76.2 Centimeters (30 Inches) at Both Ends; However, at Installation, Travel Can be Extended to 114.3 Centimeters (45 Inches) at One End with Reduced Travel at the Other End of 38.1 Centimeter (15 Inches).

- Lateral Tabletop Motion of 19.7 Centimeters (7.8 Inches)
- Tabletop Height of 88.4 Centimeters (34.8 Inches) Closely Approximates That of Stretcher Height

• Tableside Controls are Clustered Near the Center of the Table Body and are Protected from Spills with a One-Piece Silicon Rubber Cover. They Include:
  - Tabletop Motion
  - Tabletop Center
  - Angulation/Horizontal Stop Selector
  - Room Light Control
  - Digital Display of Table Angulation

• The Collimator has Integrated Copper Spectral Filters in Following Thickness: None, 0.1, 0.2, and 0.3 Millimeters.

• The Precision 500D System Comes with the Maxiray 100 Radiographic and Fluroscopic Tube Under the Table. MX-100 Provides:
  - Focal Spot Sizes 0.6-1.0 Millimeters
  - Target Angle 12.5 Degrees
  - Maximum Voltage Rating 150 kVp
  - Anode Diameter 100 Millimeters
  - Casing Heat Storage Capacity 1,100,000 Joules (1,500,000 H.U.)
  - Anode Heat Storage Capacity of 350 KHU (260 KJ)
  - Anode Heat Dissipation Rate of 925 Watts (75KHU per Minute)
  - Air Cooled

• The Precision 500D Table Offers a Radiographic Receptor that Provides 114.6 Centimeters (57.0 Inches) of Tabletop Coverage. Reciprocating Bucky Grid. 36 lp/centimeter, 12:1 Ratio, FD 110 Centimeter Grid. Optional Pediatric Stationary High-Line Rate Grid is Available.

• Standard Accessories Include:
  - Footrest
  - Patient Hand Grips

• IQST (Image Quality Signature Test) and QAP (Quality Assurance Program) are Tools Used to Assess the Image Quality of the System. Field Engineers and/or Customers Use these Tools to Ensure Image Quality Consistency. Results of QAP are Presented to the User as PASS or FAIL of Image Quality Testing. For IQST, Numerical Values are Presented to the User in Addition to PASS or FAIL.

Item No.	Qty	Catalog No.	Description

- Exam Room 19 inch (48.26 cm) LCD Monitor.

- Dose Measurement

- Virtual Collimation

Virtual Collimation Provides the User with Virtual Feedback Regarding the Positioning of the Collimator Blades thus Reducing the Need to Use Fluoro to Adjust Collimation.

- DICOM 3.0 Kit
  - Full Fidelity Storage
  - Verification SCU and SCP
  - Storage SCU and Storage SCP
  - Storage Commitment (Push Model) SCU
  - Query / Retrieve (Study Root Model SCU and SCP)
  - Auto Transfer to Two Different Nodes
  - Transfer Progress Indicator
  - Access Control and Confidentiality
  - 10/100 MB/s Ethernet DICOM 3.0 Kit Option
  - Full Fidelity Storage
  - Verification SCU and SCP
  - Storage SCU and Storage SCP
  - Storage Commitment (Push Model) SCU
  - Query / Retrieve (Study Root Model SCU and SCP)
  - Auto Transfer to Two Different Nodes
  - Transfer Progress Indicator
  - Access Control and Confidentiality
  - 10/100 MB/s Ethernet

- DICOM Print Option
  - Print Management SCU
  - Multiple Printer Configuration
  - DICOM 3.0 Kit is Mandatory for this Function.

- DICOM Worklist Option
  - Modality Worklist SCU
  - Fill Image from Worklist
  - Modality Performed Procedure Step SCU
  - Mapping Between SPS and PPS

Item No.	Qty	Catalog No.	Description

- DICOM 3.0 Kit is Mandatory for this Function

- Remote Diagnostics and iLinq Compatible

- English Operator Manual
- IDD Contrast Medium Select
- Pulse Fluoro Adapter
- Pediatric Mode
- Fluoro Loop Store
- Productivity Package
- 1 Flashpad Detector
- 2 Flashpad Batteries
- 1 7m tether
- Digital Interface Kit
- System Computer

| 2 | 1 | | Repeat/Reject Analysis Option |

Repeat/Reject Analysis

RRA is a quality assurance tool that allows for images to be captured and categorized by technologist for follow-up quality reviews.

| 3 | 1 | | Table Top FlashPad Lateral Detector Holder |

Table Top Lateral Detector Holder

Wireless DR detector holder, designed specifically for GE, secures the detector in a vertical position on the tabletop for cross-table imaging.

| 4 | 1 | | Table Head Clamps |

Table Head Clamp

| 5 | 1 | | Table Accessory Rack |

Table Accessory Rack for use on all tables.

| 6 | 1 | | Compression Device for Precision 500D Table |

Compression Device for Precision 500D Table The compression device for the Precision 500 table can be engaged at any point along the table top and consists of a front bracket with ratchet, roller and band, and a rear anchor bracket. The compression device is not intended to be used for patient support or restraint.

Item No.	Qty		Description
7	1		Single LCD Monitor Support for EXAM Room WITH Suspension
			Single LCD Counterbalanced Monitor Support with Inboard Bridge or XT suspension for exam room.
8	1		65kW High-Frequency Generator

The Precision 500D Features a High-Frequency 65kW Generator integrated into a single space savings cabinet.

- Computer Controlled System Manager and Control Modules for R&F applications

- Built in System Distribution Power Module and Circuit Breaker for single point power feed to room subsystems and "Brown Out" protection

- Millisecond Interrogation and Termination

- Specs
    - 800 mA at 81 kVp
    - 640 mA at 101 kVp
    - 500 mA at 130 kVp
    - 400 mA at 150 kVp

An Uninterruptible Power Supply (UPS) is provided in the main systems cabinet, to provide backup power required for the proper shutdown of sensitive computer subsystems. In the event of a power failure, the UPS has sufficient capacity to keep the required subsystems powered up for a minimum of ten minutes.

The following subsystems are supplied via UPS Power:

- Integrated Console

- Digital System

Available in Either 50 or 60-Hz Version.

| 9 | 1 | | Overhead Tube Suspension with Inboard Bridge, Auto Collimation and Column Extension Select. |

Overhead Tube Suspension with Inboard Bridge, Auto Collimation and Column Extension Select.

The Console with the display of kVp, mAs, SID Productivity, and Angle Interfaces with the Generator and Main Console, Allowing the user to adjust kV, mAs, and select receptors for maximum productivity.

- Specifications

- Minimum Focal Spot to Floor*: 713 Millimeters (28.07 Inches)
- Maximum Focal Spot to Floor*: 2213 Millimeters (87.12 Inches)
- Vertical Travel: 1500 Millimeters (59.05 Inches)
- Bridge Size: 3 Meters
- Lateral Travel: 2110 Millimeters (83.07 Inches)
- Longitudinal Travel: Customized
- Standard Rail Length: 5790 Millimeters (224.40 Inches) or 4370 Millimeters (172.04 Inches).
- Tube Angulation**: +/- 180 Degrees (90 Detents)
- Tube Rotation***: +/- 180 Degrees (30 Detents)
- Locks: Electromagnetic/Mechanical
- Mounting: UNISTRUT or Equivalent
- Standard Ceiling Height: 2900 Millimeters (114.7 Inches)

- Column Extension Selects:
  - 190.5 Millimeters (7.5 Inches), 287 Millimeters (11.3 Inches)

- The Precision 500D System Comes with the Maxiray 100 Radiographic Overhead Tube. The MX-100 Provides:
  - Focal Spot Sizes 0.6-1.25 Millimeters
  - Target Angle 12.5 Degrees
  - 34kW - 107kW
  - Maximum Voltage Rating 150 kVp

* Vertical Heights with a Standard Ceiling Configuration.

** Tube Angulation is Rotation for Decubitus and Wall.

*** Tube Rotation is Turning about the Vertical Column.

Item No.	Qty	Catalog No.	Description
10	1		P500D NON-TILTING VERT WS

Non-Tilting Vertical Bucky Stand with Grid. Includes:

- SG-80 Select Right or Left
- Bucky
- CSS Tray
- Ion Chamber
- 130 cm/ 52 Inch Grid

Item No.	Qty	Catalog No.	Description
			• 10:1 36 Lines/cm
			• Carbon Fiber Skins
			• 130 cm/52 Inch Focus.
			• Useful Range 101 cm - 190 cm
11	1		PATIENT SUPPORT (SG80 KIT INCLUDING LATERAL BAR, HAND GRIPS AND SPACER KIT)
			Patient Support for the SG80 Wallstand
12	1		VCR Cables & Video Switch
			DVD Cables and Video Switch
			This includes the necessary DVD and Video Switch cables (C1601RT) and Precision 500D Video Switch (C7011N) required for connecting the X-Ray system to a VCR or DVD recorder.
13	1		System/VCR Cable Select
			System/DVD Cable Select
			Select either the 9 meter cable (C1611KG) or the 21 meter cable (C1601PP) required to connect a VCR or DVD recorder to X-Ray system.
14	1		Sony DVO-1000 Medical DVD Recorder
			Sony DVO-1000 Medical DVD Recorder. Includes:
			• Audio Kit • Remote Control • Foot Pedal
15	1		25 KAIC X-Ray Main Disconnect Panel 80 Amp, 480 V / 208 V
			25 KAIC X-Ray Main Disconnect Panel 80 Amp, 480 V / 208 V
			FEATURES/BENEFITS
			• Serves as the main power disconnect between the X-Ray system and the facility 480V or 208V power source • Provides emergency shut down, undervoltage protection and overcurrent protection for the X-Ray power distribution cabinet • Standardized design provides a platform for future upgrades of the system • Offers a number of advantages by combining a variety of individual

Item No.	Qty	Catalog No.	Description

components into a single pre-engineered and factory tested panel
- UL and cUL listed for compliance with NEC Article 100 and Article 110-3
- Remote emergency off pushbutton located by X-Ray control provides immediate shut down of the entire system to comply with NEC required disconnecting means
- Surface or semi-flush mounting

SPECIFICATIONS

- Dimensions (H x W x D): 48" x 20" x 6.68"
- Weight: 80 lbs.
- Mounting: via keyhole slots; Width is 16" on centers, Height is 45.5" on centers

COMPATIBILITY

- GE Three Phase X-Ray generators

NOTES:

- Customer is responsible for rigging and arranging for installation with a certified electrician
- ITEM IS NON-RETURNABLE AND NON-REFUNDABLE

| 16 | 1 | | 5 Day X-ray System Training |

5 Day XR System Training

One 3 day and one 2 day TiP Onsite Training visits for the X-ray system.

Includes T&L expenses. Days provided consecutively.

This training program must be scheduled and completed within 12 months after the date of product delivery.

| 17 | 1 | | System/IUI Cable Select |

Console IUI Cable Select

| 18 | 1 | | System/Monitor Cable Select |

Monitor Cable Select

| 19 | 1 | | Cable Select |

Positioner Cable Select

| 20 | 1 | | Cable Select |

Item No.	Qty	Catalog No.	Description
			System / Positioner Cable Select
21	1		System/IUI Cable Select
			System/IUI Cable Select
22	1		System/Table Cable Select
			System/Table Cable Select
23	1		Wall Stand Cable Select
			Wall Stand Cable Select
24	1		Xt Extension Select
			XT Extension Select
25	1		Inboard Rail Select
			2, 3 or 4 Meter Longitudinal Rail Select (Dependent on Room Size)
26	1		XT Cable Select
			XT Cable Select
			Riggin to Remove Philips RF
	1		
27	1		Riggin to Remove Philips RF