

1 1 S0915KH

## Precision 500D Digital Base System with 12 Inch/32cm Image Intensifier

The Console consists of a 19 inch 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(44cm) LCD color monitor for the Exam room and a 19 inch(44cm) 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(44cm) LCD color monitor. Installation with a ceiling dual monitor suspension.

- The Basic Package Features the Following:
  - LFOV - 12/9/6/4-1/2 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 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 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.
- The Precision 500D System Comes with the Maxiray 100 Radiographic and Fluoroscopic 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.
- Exam Room 19" 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
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  - 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
  - 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	S39262JL	<p>Repeat/Reject Analysis</p> <p>RRA is a quality assurance tool that allows for images to be captured and categorized by technologist for follow-up quality reviews.</p>
3	1	S39262JP	<p>Table Top Lateral Detector Holder</p> <p>Wireless DR detector holder, designed specifically for GE, secures the detector in a vertical position on the tabletop for cross-table imaging.</p>
4	1	S0915JT	RFX TABLE & CABINET DOLLY
5	1	S0910ZK	Single LCD Counterbalanced Monitor Support with Inboard Bridge or XT suspension for exam room.
6	1	S0910WB	<p>The Precision 500D Features a High-Frequency 80kW Generator Integrated into a single space savings cabinet.</p> <ul style="list-style-type: none"> <li>• Computer Controlled System Manager and Control Modules for R&amp;F applications</li> <li>• Built in System Distribution Power Module and Circuit Breaker for single point power feed to room subsystems and "Brown Out" protection</li> <li>• Millisecond Interrogation and Termination</li> <li>• Specs <ul style="list-style-type: none"> <li>- 1000 mA at 80 kVp</li> <li>- 800 mA at 100 kVp</li> <li>- 640 mA at 125 kVp</li> <li>- 500 mA at 150 kVp</li> </ul> </li> </ul> <p>An Uninterruptible Power Supply (UPS) is provided in the main systems cabinet, to provide backup power required for the proper shutdown of sensitive computer</p>

subsystems. In the event of a power failure, the UPS has sufficient capacity to keep the required subsystems powered up for a minimum of 10 minutes.

The Following Subsystems are supplied via UPS power:

- Integrated Console
- Digital System

Available in Either 50 or 60-Hz Version.

7            1        S0910TE

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.

8	1	S3812NF	<p>Tilting Vertical Bucky Stand, Including the Following Major Components:</p> <ul style="list-style-type: none"><li>• Vertical Bucky Stand with Tilt</li><li>• Super Speed Bucky</li><li>• Cassette-Size Sensing Tray</li><li>• Quantamat Three Field Ion Chamber Detector</li></ul> <p>Grid for Vertical Bucky Stand. Includes:</p> <ul style="list-style-type: none"><li>• 10:1 Ratio</li><li>• 130cm Focus</li><li>• 36 Lines/cm</li><li>• Useful Range, 102cm - 190cm</li></ul>
9	1	S3928SD	Patient support (Lat Bar and hand grips) for SG-120 vertical bucky stands
10	1	S19011GC	<p>180cm/72 inch Grid</p> <ul style="list-style-type: none"><li>• 12:1</li><li>• 36 Lines/cm</li><li>• 180cm Focus</li><li>• Useful Range 141cm/55in.-250cm/96in.</li><li>• Carbon Fiber Skins</li></ul>
11	1	S19011GA	<p>100cm/40 Inch Grid</p> <ul style="list-style-type: none"><li>• 12:1</li><li>• 36 Lines/cm</li><li>• 100cm Focus</li><li>• Useful Range 87cm/34in.-118cm/46in.</li><li>• Carbon Fiber Skins</li></ul>
12	1	S3926BE	Table Shoulder Rest-Myelograms
13	1	E4502ST	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 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

14      1      W0107RA

#### 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.

15      1      R0138RY

#### X-ray Precision 500D Service (Class/Lab)

The Precision 500D Training is Designed as a Blended Curriculum: Successful Completion of R0137RY, Precision CD-ROM, followed by completion of R0138RY, Precision 500D In-Resident Classroom/lab. An online test will be required for each

learning solution. This course will equip the In House Engineer with the Skills Needed to Operate, Calibrate, Troubleshoot and Support the Precision 500D. This course must be taken within 2 years from the purchase date.

16 1 R0193RY

Wireless DR Imaging Option (Class/Lab) for Precision 500D and Proteus systems (3 days)

The Wireless DR Imaging Option System course introduces the wireless detector (FlashPad) to the Precision 500D and Proteus systems. This course is for those who have attended R0138RY Precision 500D or completed R0128RY Proteus web training and have NOT attended R0122RY XR Digital Rad Systems course. The audience will learn the digital aspect of imaging as well as what is new to upgrade the current systems. Labs and supporting classroom discussion explore the specific functions and features of the wireless detector (FlashPad) on the Precision 500D and Proteus systems. This course must be taken within 2 years from the purchase date.

17 8 R0100CM

Meals and Lodging Expense has been developed to allow the customer the convenience of prepaying for their meals and lodging expenses when attending Technical Service Training at the GE Healthcare Institute located in Waukesha, WI.

The price of this convenience is based on a per day basis. Thus a quantity of 1 is equal to 1 day's meals and lodging expense. When purchasing the meals and lodging expense please be mindful of weekend days during the training stay and include 2 days to cover a weekend in the purchase quantity.

Examples: A 5-day course needs a quantity of 5. Any course longer than 5 days should include 2 days to account for the weekend stay. Any course longer than 10 days will require an additional 4 days of the meals and lodging expense to cover the 2 weekends of the stay. Thus a 15-day course would have a quantity of 19 days to cover the 2 weekends of the stay. This expense must be used within 2 years from the purchase date.

Three meals a day Monday thru Thursday, 2 meals on Friday, plus breaks are provided in the onsite cafeteria. The GE Healthcare Institute cafeteria closes Friday after lunch and reopens Monday morning for breakfast. Weekend meals are the responsibility of the customer.

Only for In-resident courses to be taken at the GE Healthcare Institute.

18 2 R0101CM

The AIRFARE EXPENSE has been developed to allow the customer the convenience to prepay their roundtrip Airfare expenses when attending Technical Service Training at the GE Healthcare Institute located in Waukesha, WI. To be used for engineers attending In-Resident Class/Lab courses for Diagnostic Imaging.

Customer will make their Airfare arrangements thru the GE Travel Center. Specific directions will be provided to the customer upon confirmation of class. Please note that this expense must be used within 2 years of the purchase date

19	1	R0137RY	<p>X-ray Precision 500D Theory Service (Online)</p> <p>This course is part 1 of 2 parts in a blended curriculum. After completing the web course, the engineer will attend the Precision 500D In-Resident Classroom/Lab at the GE Healthcare Institute. The Precision 500D is a full featured classical Rad and Fluoro system. This course must be taken within 2 years from the purchase date.</p>
20	1	R0183RY	<p>X-ray Basic Service Challenge Exam</p> <p>This exam is for engineers with considerable X-ray service experience and wish to test out of of the X-ray Basic Service courses(R0181RY and R0182RY). This exam will cover the competencies of the in-resident course. If you fail the challenge exam, you must attend the in-resident course and pass the end of course test to receive credit. Note: Cost of the challenge exam will apply as a credit towards the X-ray Basic Service course. This exam must be taken within 2 years from the purchase date.</p>
21	1	S2100KT	Console IUI Cable Select
22	1	S2100KR	Monitor Cable Select
23	1	S2100LN	Positioner Cable Select
24	1	S2100LS	System / Positioner Cable Select
25	1	S2100MT	System/IUI Cable Select
26	1	S2100LY	System/Table Cable Select
27	1	S2100KW	Wall Stand Cable Select
28	1	S2100JF	XT Extension Select
29	1	S2100JC	2, 3 or 4 Meter Longitudinal Rail Select (Dependent on Room Size)
30	1	S2100JL	XT Cable Select