

679-B62005  
VAMC TUSCALOOSA, AL

## Ysio Max

All items listed below are included for this system: (See Detailed Technical Specifications at end of Proposal.)

Qty	Item Description
1	<b>Ysio Max</b>
1	<b>Ysio Max Ceiling Carriage 3 m</b> Universal digital radiographic workplace for skeletal radiography of the recumbent, standing or seated patient. High-resolution, permanently installed or wireless detectors as a basis for a fully digital imaging chain with a digital imaging system, an image and control station with application and evaluation programs, and DICOM network connection. Tube assembly support fully motorized in all projection-relevant axes with up to 220 cm transverse travel. OPTITOP 150/40/80 X-ray tube assembly and multileaf collimator with full field and laser line light localizer.
1	<b>Ceiling rails 4.25m</b> 2 tracks for the ceiling-mounted support with a travel distance up to a maximum of 4.25 meters in longitudinal direction.
1	<b>MAX wi-D</b> Light-weight mobile, wireless 35 cm x 43 cm (14" x 17") detector with handgrip for comfortable and safe handling. The detector can be used with all other MAX systems based on the MAXswap feature.
1	<b>MAX wi-D Clip-on Grid 5/85 F115</b> Grid (5/85), f 115 cm Highly selective anti-scatter grid for scattered radiation reduction: - Pb 5/85 (grid ratio 5:1, 85 lines/cm) - Grid focusing for SID 115 cm (45")
1	<b>Bucky Wall Unit for MAX wi-D Right</b> Floor-mounted Bucky wall stand with height-adjustable and tiltable detector tray for a MAX wi-D flat detector for digital acquisitions. With IONTOMAT three-field chamber and Bucky frame. Detector tray operated from the left / right side. Vertical height adjustment and detector tilt possible from both sides.
1	<b>Manual Control Bucky Wall Unit</b> Wired remote control for system functions.
1	<b>Ysio Table for MAX wi-D</b> Bucky table in compact design, for X-ray exposures of the entire body with detector tray for MAX wi-D.

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1	<b>Foot Kick Switch Front</b> For height adjustment of the patient positioning table and switching of the floating tabletop.
1	<b>Int. charg. Unit MAX wi-D (cradle)</b> Charger unit for charging the MAX wi-D rechargeable battery when the detector is in the charging cradle (table or BWS).
1	<b>WLAN US</b> WLAN access point for operating the MAX wi-D or MAX mini detectors  Important: USA only
1	<b>Configuration 1 Detector System</b> Quantity of 1 configured MAX detector
1	<b>Polydoros 80 kW</b> High-frequency 80 kW X-ray generator for diagnostic procedures at workplaces with automatic exposure control.
1	<b>19"Color Flatscreen Display</b> 19" LCD color flatscreen display with high luminance and extended field of view.
1	<b>Transparent grid 13/92, Universal</b> Highly selective anti-scatter grid for scattered radiation reduction.
1	<b>DICOM WORKLIST &amp; MPPS</b> Import of patient/examination data from an external RIS/HIS patient management system with DICOM MWL (Modality Worklist) as well as feedback on the examination status with DICOM MPPS (Modality Performed Procedure Step).
1	<b>Security Package</b> Software extension for workplaces enabling enhanced security features including user management and audit trail functionality.
1	<b>Caremax plus HS Integrated</b> CAREMAX plus Dose Area Product (DAP) meter tracks and displays the Dose Area Product (DAP) and/or standardized patient entrance dose.
1	<b>VA Kit</b> Second set of documentation for Veterans' Affairs Administration Hospitals in the U.S.
1	<b>Keyboard, US English</b> PS2 standard keyboard
1	<b>Customer documentation, English</b>
1	<b>Patient positioning mattress</b> The radiolucent table pad matches the size of the tabletop and has a heavy-duty soft plastic cover that is easy to clean. The soft cushion allows comfortable patient positioning and repositioning. To prevent the pad from sliding during head-up positions, the straps of patient table pad can be attached to the grip protection rail at the head end.
1	<b>Mobile detector holder</b> The versatile holder 1330/3 accommodates portable DR Panels with a total weight (including clip-on grid if required) of less than 6.8kg.
1	<b>IPV6 NAT Router</b> This router enables data transmission via IPV6 network.
1	<b>Initial onsite training 24 hrs</b> Up to 24 hours of on-site clinical education training, scheduled consecutively (Monday -

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	Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	<b>Additional onsite training 12 hours</b> Up to (12) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist if applicable. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	<b>Offset onsite Training 24 hrs</b>
1	<b>Offset onsite Training 12 hrs</b>
1	<b>Portable DR Panel Protector(14x17)</b> The unique design of the DR Panel Protector provides an easy way to take weight-bearing x-rays of feet (AP view). The unit is simply placed over the DR panel which is first positioned on the floor. Patients step onto the DR Panel Protector with as much weight as needed to get the desired image. The face plate is made of polycarbonate designed to support patients weighing up to 500 pounds. The face plate is x-ray lucent, allowing the x-rays to pass through the DR Panel Protector with no significant absorption or scattering. The non-slip rubber floor grips keep the DR Panel Protector from slipping on a hard floor. The Panel Protector frame is notched to accommodate the cable connection from the digital DR panel to the host system. One year warranty through Clear Image Devices
1	<b>Standard Rigging DigRad</b>

## XP Warranty Information for XP RF / XP WH / XP SU

Product (New Systems and "ECO" Refurbished Systems Only)	Period of Warranty <sup>1</sup>	Coverage	
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X-Ray System (not including consumables)	12 months	Full Warranty (parts & labor)	
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Following parts will include warranty as listed below:			
Image Intensifier Tubes (Sirecon, Optilux)	First 12 months  Months 13 through 24	Prorated credit given to customer against replacement cost, parts only	credit percentage = (24 - months in use ) / 24*100
Flat Panel Detectors (e.g, Pixium, PaxScan, Canon, LMAM)	First 12 months  Months 13 through 36	Prorated credit given to customer against replacement cost	credit percentage = (36 - months in use ) / 36*100
General Diagnostic tubes (Opti, Optitop)  Mammography tubes (P40/single tank unit)  Single tank tubes (Polyphos,P125-135, Sirephos, SR)	12 months		
Single tank x-ray tubes (Powerphos)	Prorated to a maximum of 80,000 SLU <sup>2</sup> or 12 months whichever occurs first	Prorated credit given to customer against replacement cost	credit percentage = (80,000 - SLU used) / 80,000*100
Control Triodes for Generators	Prorated to a maximum of 12 months	Prorated credit given to customer against replacement cost	credit percentage = (12 - months in use ) / 12*100
TV Camera tubes (exposure tubes) and cathode-ray tubes (CRT)	Prorated to a maximum of 12 months	Prorated credit given to customer against replacement cost	credit percentage = (12 - months in use ) / 12*100
Consumables	Not covered		

Post-Warranty (after expiration of system warranty) – Replacement parts only!			
Items above	As described above, but parts only	As described above, but parts only	As described above, but parts only
Spare parts	6 months	Parts only	

# Detailed Technical Specifications

## Ysio Max

/ Product	Description
<b>Ysio Max Ceiling Carriage 3 m</b>	<p><b>System Configuration</b> Ysio Max is an universal digital radiographic workplace with various flat detectors (MAX wi-D, MAX static) for image acquisition.</p> <p>The Ysio Max digital workplace is especially suited for a high patient throughput. As a universal workplace, the system is primarily used in X-ray departments of hospitals, in radiological and partly radiological offices with high patient throughput and standardized acquisition technology.</p> <p><b>Basic system components:</b></p> <ul style="list-style-type: none"> <li>- A ceiling-mounted tube assembly support with X-ray tube assembly and motorized multileaf collimator.</li> <li>- An imaging and control station with application and evaluation programs, as well as DICOM system interfaces.</li> <li>- CD/DVD drive for digital image storage on CD-R/DVD for offline data exchange in DICOM format.</li> </ul> <p><b>Tube assembly support</b> with X-ray tube assembly and motorized collimator.</p> <p>All projection-relevant tube assembly positions can be manually adjusted with handles symmetrically mounted to the tube assembly collimator unit.</p> <p>The ceiling-mounted tube assembly support can be adjusted in 3 axes for longitudinal, transverse, and height adjustment (x, y, and z-axes).</p> <ul style="list-style-type: none"> <li>- Horizontal travel range in longitudinal direction 346 cm.</li> <li>- Horizontal travel range in transverse direction 220 cm.</li> <li>- Vertical lift 180 cm.</li> </ul> <p>In 2 further axes (<math>\alpha</math>- and <math>\beta</math>-axes) the tube assembly collimator unit can be manually adjusted for oblique acquisitions of the recumbent patient, or for horizontal, oblique, or lateral acquisitions on the portable detector, or for free bedside acquisitions.</p> <ul style="list-style-type: none"> <li>- Rotation around the vertical axis of the ceiling-mounted support from +154° to -182°. Lock-in positions every 90°.</li> <li>- Rotation around the horizontal axis of the tube assembly support arm <math>\pm 140^\circ</math>. Lock-in positions at 0° and <math>\pm 90^\circ</math>.</li> </ul> <p><u>X-ray tube assembly OPTITOP 150/40/80 HC-100:</u> Single-track dual-focus rotating anode tube with compound anode (rhenium-tungsten, molybdenum, graphite), with high heat storage capacity and high load capacity for small focal spots. Integrated overpressure safety device in the tube protective housing.</p> <ul style="list-style-type: none"> <li>- 150 kV nominal voltage acc. to IEC 613.</li> <li>- Nominal power (focal spot nominal values acc. to IEC 336): 40 kW: small focus 0.6 80 kW: large focus 1.0</li> <li>- Anode speed <math>\geq 8,500</math> r/min, anode angle 12°.</li> <li>- Heat storage capacity of the anode 580 kJ (783 kHU) acc. to IEC 613.</li> <li>- Total filtration (IEC 601-1-3) <math>\geq 2.5</math> mm Al equiv.</li> </ul> <p><u>Multileaf collimator:</u> With full field and laser line light localizer. Rectangular collimation, manual and motorized, via organ programs.</p> <ul style="list-style-type: none"> <li>- Multileaf collimator rotatable by <math>\pm 45^\circ</math> around the center beam axis, e.g. for correct positioning of objects.</li> <li>- A tape measure is integrated to check the focus-to-object distance.</li> <li>- To improve radiation quality through dose reduction of the soft radiation parts, Cu filters (0.1Cu; 0.2 CU and</li> </ul>

/ Product	Description
<p><b>(Continued)</b></p> <p><b>Ysio Max Ceiling Carriage 3 m</b></p>	<p>0.3 Cu) are inserted into the primary beam projection, depending on the organ program selected. They can also be selected manually.</p> <p><u>Option:</u> A measuring chamber for the Dose Area Product can be integrated into the multileaf collimator.</p> <p><b>Controls and displays</b> The control elements at the tube assembly and the multileaf collimator are ergonomically arranged for single-handed operation.</p> <p>Controls and displays at the tube assembly support (MAXTouch): Multifunctional control display with color touchscreen for adaptation of acquisition parameters directly in the examination room.</p> <p><u>Displays include:</u></p> <ul style="list-style-type: none"> <li>- The collimation size of the acquisition field (in cm x cm).</li> <li>- The selected SID.</li> <li>- The selected Cu additional filters.</li> <li>- Rotation from the 0-position.</li> <li>- Tube assembly and detector centering.</li> <li>- Operating states such as "ACSS/Manual", "Ready", "Selected", etc.</li> <li>- Current detector angle (MaxAlign feature) – to eliminate the need to guess the tube angle and to protect the patient by reducing repeat exposures. Available with MAX wi-D and MAX mini.</li> </ul> <p>The display follows the tube assembly orientation.</p> <p><u>The following functions can be set manually at the multileaf collimator:</u></p> <ul style="list-style-type: none"> <li>- Full field light localizer with timer for optical display of the collimated acquisition format and an optionally coverable laser line light localizer.</li> <li>- The collimation of the acquisition format set last can be retrieved via a memory button.</li> <li>- The rectangular collimation of the radiation field is pre-defined through the organ program and can be set manually by means of two dials.</li> <li>- The motorized insertion of the Cu additional filters is controlled via the organ program, but can also be selected freely.</li> </ul> <p><b>Imaging and control station (syngo FLC)</b> The entire control and communication of the radiography system incl. digital image processing takes place from a central operating site - the imaging and control station.</p> <p><u>It includes:</u></p> <ul style="list-style-type: none"> <li>- A high-end PC imaging system, based on Windows 7 with syngo user interface. Storage of original data 14 bit. Storage of image data 12 bit. Storage capacity approx. 10,000 images.</li> <li>- Keyboard and mouse.</li> <li>- One 19" color flat-screen as control display or diagnostic display.</li> <li>- Manual button for exposure release.</li> </ul> <p><b>Functions of the imaging and control station</b> <u>Patient and study administration:</u></p> <ul style="list-style-type: none"> <li>- Importing of patient lists and examinations from the HIS/RIS</li> <li>- Manual patient registration</li> <li>- Patient, study, and image data management</li> <li>- Configuration functions</li> </ul> <p><u>Acquisition and postprocessing:</u></p> <ul style="list-style-type: none"> <li>- Organ program selection and configuration</li> </ul>

Product	Description
<p><b>(Continued)</b></p> <p><b>Ysio Max Ceiling Carriage 3 m</b></p>	<ul style="list-style-type: none"> <li>- Selection of generator and diaphragm parameters. Parameterization of image preprocessing: enhancement, harmonization, edge enhancement, and look-up tables (LUT)</li> <li>- Display of current acquisition between 1.5 and 3.5 seconds (preview); complete image in 3.5 to 6 seconds max. depending on detector type</li> <li>- Display of image markers (L/R, a.p./p.a.)</li> <li>- DiamondView Plus: multi-scaling procedure for image post-processing with high detail contrast and reduced noise</li> </ul> <p>DiamondView is a multi-scale procedure, i.e. filter size and strength are weighted differently and are used for adaptation to the overall image content.</p> <ul style="list-style-type: none"> <li>- DiamondView enhances the signal exploitation of the dynamic range and improves the organ-specific detail contrast (soft tissue and bone).</li> <li>- DiamondView can be selected via the "Pre-processing card".</li> <li>- By entering "0", the image can be displayed without DiamondView.</li> </ul> <p><u>Image processing functions:</u></p> <ul style="list-style-type: none"> <li>- Image rotation</li> <li>- Horizontal/vertical image mirroring</li> <li>- Image zoom</li> <li>- Pan</li> <li>- Windowing</li> <li>- Filters for edge enhancement and noise reduction</li> </ul> <p><u>Image documentation and archiving:</u></p> <ul style="list-style-type: none"> <li>- Image transfer to the network</li> <li>- Automatic, user-configurable data distribution (DICOM Send, see also system interfaces DICOM)</li> <li>- Automatic filming with virtual film sheet (DICOM Print, see also system interfaces DICOM)</li> <li>- Image data export (12 bit) on CD/DVD</li> </ul> <p><b>Workflow</b> Routine workflows are largely automated.</p> <ul style="list-style-type: none"> <li>- Prior to exposure the patient data is transferred via the patient management system (HIS/RIS: option) or entered through the control console. The exposure parameters are selected through the organ programs.</li> <li>- Then the patient or the acquisition system is positioned and exposure is released.</li> <li>- The exposure released at the central system control is read out within a few seconds by the detector. It is displayed at the control display for orientation and made available in DICOM format at the imaging system output for sending e.g. to reporting workstations, image networks, laser cameras, etc.</li> <li>- Clinical Assurance Program (CAP): Collection of deleted images, studies and patient data, including evaluation capabilities.</li> </ul> <p><u>Password protection:</u> System access protected by password.</p> <p><u>Option:</u> Security Package: SW option with enhanced security features such as User Management and Audit Trail function (if offered, see text of the corresponding components).</p> <p><b>DICOM system interfaces</b></p> <ul style="list-style-type: none"> <li>- <u>DICOM Send:</u> Sending of images into the DICOM network. The DICOM Send function enables fully automatic transfer of generated image data to a DICOM archive or a DICOM workstation. The user can perform his examinations without interruption while the system fully automatically transfers the images to the archive. This image data transfer takes place entirely in the background and thus does not affect acquisitions performed at the same time.</li> <li>- <u>DICOM Storage Commitment (StC):</u> Feedback from the image archive.</li> </ul>

Product	Description
<p><b>(Continued)</b></p> <p><b>Ysio Max Ceiling Carriage 3 m</b></p>	<p>The DICOM StC function automatically gives feedback on whether the generated image data were successfully transferred. This way the user can be sure that the acquisitions stored locally in the imaging system can be deleted.</p> <ul style="list-style-type: none"> <li>- <b>DICOM Print:</b> Printing of images by means of a virtual film sheet on a DICOM laser camera. Selecting "Auto-Print" automatically forwards the images stored in the virtual filmsheet to the laser camera. This optimizes the workflow, eliminating the need for user interaction. In addition, a specific layout can be configured on the virtual filmsheet, which the user can review and edit on the monitor at any time. As a result, printing is only required after the layout has been optimized on the monitor, saving time and costs.</li> </ul> <p><u>Options:</u></p> <ul style="list-style-type: none"> <li>- DICOM Modality Worklist/MPPS</li> <li>- DICOM Query/Retrieve</li> </ul> <p><b>Note concerning DICOM interface(s)</b> For diagnostic purposes, only hardcopy cameras/laser printers explicitly approved for this system may be used.</p> <p>The description in the "DICOM Conformance Statement" downloadable from the Internet is exclusively binding for the functionality of the DICOM interface(s).</p> <p>Functionalities across system borders with/between partner systems require explicit validation, since the interpretation of the interface by the partner/target system is not part of the product's responsibility.</p> <p>A modification of the interface that might be required is not included in the offer; e.g. for the rare case that available configurations are not sufficient. With regard to expenses for interface configurations that might be required, the agreements on maintenance/service of the product apply.</p> <p><b>syngo Remote Assist</b> <i>syngo</i> Remote Assist is a standalone service option. With <i>syngo</i> Remote Assist, Siemens uses a secure broadband VPN connection (VPN = virtual private network) to establish a connection to your Siemens imaging console in order to offer you direct, real-time support and training. This seamless and simultaneous virtual interaction will contribute to improvements in image quality and optimization of system use.</p> <p><b>Siemens Remote Service</b> <u>Prepared for optional Siemens Remote Service SRS (during warranty period, subsequently with service contract):</u></p> <ul style="list-style-type: none"> <li>- Hardware and software remote diagnosis.</li> <li>- System remote configuration, e.g. adding of a DICOM node.</li> <li>- Early warning system to secure system operation.</li> <li>- Functions according to the selected maintenance package.</li> </ul> <p><b>Customer Care. Life - the customer care solution by Siemens Healthcare</b> From the moment you purchase your Siemens system you will benefit from many services that are offered by "Customer Care. Life" offers, e.g.:</p> <ul style="list-style-type: none"> <li>- initial application training</li> <li>- interactive e-learning for various applications</li> <li>- free customer magazines</li> <li>- arrangements for clinical training via a global network</li> <li>- and free trial licenses</li> </ul> <p>You will find detailed information on our e-learning program and further details on general "Customer Care. Life" services on the internet.</p> <p>* "Customer Care. Life" offerings are not necessarily available to the full extent for all systems.</p>
<p><b>MAX wi-D</b></p>	<p>Technical details:</p> <ul style="list-style-type: none"> <li>- Cesium iodide (CsI) scintillator with Amorphous silicon (a-Si) material</li> </ul>



Product	Description
<p>(</p> <p><b>MAX wi-D</b></p>	<ul style="list-style-type: none"> <li>- Detector acquisition matrix approx.: 2872 x 2354</li> <li>- Pixel size: 148 µm</li> <li>- Acquisition depth (gray scales): 16 bits</li> <li>- Acquisition formats up to: 34.9 cm x 42.5 cm (13.7" x 17").</li> <li>- Thickness: 19 mm</li> <li>- Detector weight: 3 kg</li> <li>- Max. load 150 kg (patient lying down) and 100 kg (patient standing).</li> <li>- MAX wi-D - 1 battery</li> <li>- Data transfer via W-LAN.</li> </ul> <p><u>Operation time:</u></p> <ul style="list-style-type: none"> <li>- At least 525 images</li> <li>- Min. 3.5 hours under normal load</li> <li>- Min. 6 hours in standby mode</li> </ul>
<p><b>MAX wi-D Clip-on Grid 5/85 F115</b></p>	<p>Technical details:</p> <ul style="list-style-type: none"> <li>- Grid ratio 5:1, 85 lines/cm</li> <li>- Siemens lead/fibre technology</li> <li>- Grid focusing for source-image-distance (SID) of 115 cm (45")</li> <li>- Dimensions (W x H x D): 472.1 mm x 410.1 mm x 28.4 mm (18.58"x 16.14"x 1.1")</li> <li>- Weight: 1.1 kg (2.4 lbs)</li> </ul>
<p><b>Bucky Wall Unit for MAX wi-D Right</b></p>	<p><b>System Configuration</b> The Bucky wall unit is a floor-mounted, stand-alone or wall-mountable grid acquisition system with a height-adjustable and tiltable detector tray with tray support and the ability to insert a MAX wi-D flat detector as the digital image acquisition system. The pullout for the opening is left/right.</p> <p>It is especially suited for acquisitions of skeletal radiography of the standing and seated patient:</p> <ul style="list-style-type: none"> <li>- Orthopedic diagnostics.</li> <li>- Thorax and general diagnostics.</li> <li>- Trauma and ER diagnostics.</li> </ul> <p>With this Bucky wall stand, more profound diagnostic requirements for acquisitions of thorax (lungs), abdomen, pelvis, spine, skull and extremities are met.</p> <p>The basic configuration consists of a radiography system with a vertically positioned and tiltable detector Bucky for horizontal, oblique or lateral patient acquisitions. The additional tilting range of the detector Bucky extends the diagnostically relevant acquisition projections.</p> <ul style="list-style-type: none"> <li>- Tilting range between 0° and +90°, and up to -20° continuously around the horizontal axis; lock-in position at 0°. Operation possible from both sides.</li> </ul> <p>Fixed, replaceable transparent grid to reduce scatter radiation; Pb 13/92. Optionally for SID 115 cm and/or 180 cm, or Universal Grid with a field from 115 to 180 cm (see tender further down).</p> <p><b>Max Static Detector Bucky</b> The detector Bucky with single-handed operation includes an IONTOMAT three-field chamber for automatic exposure control (incl. three-field templates) and a Max Static flat detector with integrated mounting.</p> <ul style="list-style-type: none"> <li>- Vertical height adjustment of the counter-balanced, easily movable detector Bucky from detector center approx. 27 cm to 172 cm above floor: Operation possible from both sides.</li> <li>- Front plate - detector distance ≤45 mm.</li> <li>- Radiation absorption of the front plate ≤0.5 mm Al.</li> </ul> <p><b>Detector tray to hold a MAX wi-D detector</b></p>

Product	Description
<b>Bucky Wall Unit for MAX wi-D Right</b>	<ul style="list-style-type: none"> <li>- The detector Bucky with single-handed operation includes an IONTOMAT three-field chamber for automatic exposure control (incl. three-field templates) and a tray that can hold the MAX Wi-D detector in the portrait or landscape position. In landscape, the detector is set up for lung acquisitions at the upper edge.</li> <li>- The MAX wi-D detector is supplied with power in the tray and the detector's battery is charged.</li> <li>- The MAX wi-D detector is detected in the tray. CR cassettes can also be used directly in the tray.</li> <li>- Vertical height adjustment of the counter-balanced, easily movable detector Bucky from detector center approx. 31 cm to 172 cm above floor: Operation possible from both sides.</li> <li>- Front plate - detector distance <math>\leq 42</math> mm.</li> </ul> <p><b>Accessories</b> Scope of delivery:</p> <ul style="list-style-type: none"> <li>- Lateral patient handles for optimum patient positioning, e.g. during PA thorax exposures.</li> <li>- Patient overhead handle, swiveling around the horizontal axis, for optimal patient positioning for lateral acquisitions.</li> </ul>
<b>Manual Control Bucky Wall Unit</b>	<p>Provides:</p> <ul style="list-style-type: none"> <li>- On/off tube tracking</li> <li>- On/off light localizer</li> <li>- Tube parking</li> <li>- Tube centering</li> <li>- Autopositioning of tube</li> </ul> <p>Full function only in combination with the option Aim/ Aim FAST</p>
<b>Ysio Table for MAX wi-D</b>	<p>Height-adjustable patient positioning table with floating tabletop and detector Bucky for wireless MAX wi-D detector.</p> <p><b>Ysio Max table:</b></p> <ul style="list-style-type: none"> <li>- Free access to table and patient from all sides.</li> <li>- Patient positioning tabletop 80 cm x 240 cm.</li> <li>- Longitudinal and transverse travel: <math>\pm 48</math> cm and <math>\pm 14</math> cm (<math>\pm 0.4</math> cm). (maximum longitudinal coverage without patient repositioning 190 cm)</li> <li>- Height adjustment of the tabletop 44 cm: from 51.5 to 95.5 cm (<math>\pm 0.5</math> cm).</li> <li>- Radiation absorption <math>\leq 0.65</math> mm Al</li> <li>- Max. patient weight 300 kg.</li> <li>- Longitudinal movement of detector tray (from edge to edge) <math>\geq 100</math> cm.</li> </ul> <p><b>Accessories</b> <u>Scope of delivery:</u></p> <ul style="list-style-type: none"> <li>- Lateral patient handles. The grips make patient positioning easier, and being able to hold on to the grips gives the patient a feeling of security.</li> <li>- An adapter for positioning film/screen cassettes and/or image plate systems also designed for use with a flat detector tray.</li> </ul>
<b>Foot Kick Switch Front</b>	<p>Height adjustment, release, and locking of the floating tabletop is done through a foot kick switch. The foot kick rails are located in the foot area at the front side of the patient positioning table and can be programmed individually at the time of installation. This prevents accidental operation by patients or accompanying persons.</p>
<b>Int. charg. Unit MAX wi-D (cradle)</b>	<p>Charger unit for charging the MAX wi-D rechargeable battery when the detector is in the charging cradle (table or BWS). The charger unit is required if a MAX wi-D cradle was selected for the table or BWS. Also required for the configuration of the wi-D charging cradle on the table or BWS.</p>

Product	Description
<b>Polydoros 80 kW</b>	<p>High-frequency X-ray generator with multipulse voltage waveform for diagnostic acquisition procedures at workplaces without FL function. The multi-pulse voltage waveform enables high data accuracy, precise reproducibility and short exposure times.</p> <ul style="list-style-type: none"> <li>- Multi-processor system for organ programs.</li> <li>- Free selection of radiographic parameters.</li> <li>- Electronic generator monitoring during exposure.</li> <li>- Tube load computer with acoustic alarm and interval display.</li> <li>- Integrated automatic exposure control.</li> </ul> <p>Generator control fully integrated in the system console.</p> <p>Rating:</p> <ul style="list-style-type: none"> <li>- 80 kW at 100 kV acc. to IEC 601. max. 800 mA at 100 kV</li> <li>- Tube voltage: between 40 kV and 150 kV</li> </ul> <p>Workplaces:</p> <ul style="list-style-type: none"> <li>- max. 3 selectable workplaces (Bucky table, Bucky wall stand, and free acquisition).</li> <li>- One (1) dual focus X-ray tube assembly can be connected.</li> </ul> <p>Power connection: 3 phase current: 380 V, 400 V (±10%); 50/60 Hz.</p>
<b>19"Color Flatscreen Display</b>	<p>The monitor features a very high contrast even under very bright ambient light conditions. The Gamma curve was precisely adapted to the CIE/DICOM recommendation and is thus suited especially for gray scale display.</p> <p>Technical details:</p> <ul style="list-style-type: none"> <li>- 19" (48 cm) screen size</li> <li>- Resolution: 1.280 x 1.024 (pixel)</li> <li>- Maximum brightness (typ.): 280 cd/m<sup>2</sup></li> <li>- Flicker-free and distortion-free image display</li> <li>- Anti-glare screen</li> </ul> <p>The controlled background lighting provides stable lighting throughout the entire product life cycle.</p>
<b>Transparent grid 13/92, Universal</b>	<p>Technical details:</p> <ul style="list-style-type: none"> <li>- Grid ratio 13:1, 92 lines/cm</li> <li>- Grid focusing for source-image distance (SID) of 140 cm (55");</li> <li>- Working range (SID) 115 cm to 180 cm (45" to 71")</li> <li>- Siemens lead/fibre technology</li> </ul>
<b>DICOM WORKLIST &amp; MPPS</b>	<p><b>DICOM MWL (Modality Worklist):</b> Import of patient/examination data from an external RIS/HIS patient management system.</p> <p><b>DICOM MPPS (Modality Performed Procedure Step):</b> Sending of dose data, patient data, and examination data to an external RIS/HIS patient management system.</p> <p><b>Note concerning DICOM interface(s)</b> The description in the "DICOM Conformance Statement" downloadable from the Internet is exclusively binding for the functionality of the DICOM interface(s).</p> <p>Functionalities across system borders with/between partner systems require explicit validation, since the interpretation of the interface by the partner/target system is not part of the product's responsibility.</p> <p>A modification of the interface that might be required is not included in the offer; e.g. for the rare case, that</p>

Product	Description
<b>(Continued)</b>  <b>DICOM WORKLIST &amp; MPPS</b>	available configurations are not sufficient. With regard to expenses for interface configurations that might be required, the agreements on maintenance/service of the product apply.
<b>Security Package</b>	This SW license enables the Workplace System to support enhanced user and system management, including: <ul style="list-style-type: none"> <li>- user authentication to prohibit unauthorized access</li> <li>- privileges to define user/role based functionality</li> <li>- permissions to control data access.</li> <li>- audit trails to log system and data access.</li> </ul>
<b>Caremax plus HS Integrated</b>	CAREMAX plus Dose Area Product (DAP) meter is connected to the collimator via CAREMAX adapter cable. The Dose Area Product (DAP) is being displayed on the FLC image system and recorded in the exam protocol.
<b>Patient positioning mattress</b>	Technical details: <ul style="list-style-type: none"> <li>- Length: 198 cm (78")</li> <li>- Width: 66 cm (26") (of which 53.5 cm is padded)</li> <li>- Thickness: 2.5 cm (1")</li> <li>- Weight: 2.7 kg (5,9")</li> </ul>
<b>Mobile detector holder</b>	The holder rolls smoothly on large quick locking castors and facilitates examinations in accident and emergency departments, in operating rooms and radiographic rooms. The heavy duty base gives a low centre of gravity, which provides a precise and stable imaging platform.  <b>Properties:</b> <ul style="list-style-type: none"> <li>- The holder is adjustable for height from floor level to 129cm (measured from its lower edge)</li> <li>- The holder is counterbalanced for easy rising or lowering and can overhang the x-ray or operating table by 62.5cm</li> <li>- Supports detectors with a width of 24.5 to 53.5cm</li> <li>- Maximum detector thickness 3cm (including clip-on grid if required)</li> <li>- The holder can be turned &amp; tilted and orientated to suit any examination position</li> <li>- Effective locks keep the holder firmly in place</li> </ul>
<b>IPV6 NAT Router</b>	The IPv4 communication of the imaging system is converted to IPv6. GRE and LISP are the supported transmission methods.