

SUPPLY WAREHOUSE B8100  
V.A. Medical Center  
5406 E. EL CAMPO GRANDE  
AVE. SUITE 150  
LAS VEGAS, NV 89115  
P.O.# 593-B81005

<b>Qty</b>	<b>Item Description</b>
1	<b>Ysio Max</b>
1	<b>Ysio Max Aim FAST Ceiling Carr. 3m</b> Aim FAST option with fully automated ceiling stand for autopositioning of the acquisition position with up to 220 cm transverse travel.
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>Bucky Wall Unit with MAX static</b> Floor-mounted Bucky wall stand with height-adjustable and tiltable detector tray with a MAX static flat detector for digital acquisitions. With IONTOMAT three-field chamber and Bucky frame. Detector Bucky operated from the 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>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>Configuration 2 Detector System</b> Quantity of 2 configured MAX detectors
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.

Qty	Item Description
1	<p><b>Manual Control Ysio Table</b></p> <p>Wired remote control for system functions.</p>
1	<p><b>Tabletop recognition</b></p> <p>Tabletop recognition takes the position of the tabletop into account for collision monitoring. This prevents the system from travelling at a slower speed during follow-up movement if the tube is near the table.</p> <p>Note: Standard for Aim FAST option</p>
1	<p><b>Foot Kick Switch Front and Rear</b></p> <p>For height adjustment of the patient positioning table and switching of the floating tabletop.</p>
1	<p><b>Int. charg. Unit MAX wi-D (cradle)</b></p> <p>Charger unit for charging the MAX wi-D rechargeable battery when the detector is in the charging cradle (table or BWS).</p>
1	<p><b>Charger f. MAX wi-D and MAX mini</b></p> <p>This charger can be used to charge the replacement batteries for the MAX mini and MAX wi-D detectors.</p>
1	<p><b>WLAN US</b></p> <p>WLAN access point for operating the MAX wi-D or MAX mini detectors</p> <p>Important: USA only</p>
1	<p><b>Polydoros 80 kW</b></p> <p>High-frequency 80 kW X-ray generator for diagnostic procedures at workplaces with automatic exposure control.</p>
1	<p><b>Caremax plus HS Integrated</b></p> <p>CAREMAX plus Dose Area Product (DAP) meter tracks and displays the Dose Area Product (DAP) and/or standardized patient entrance dose.</p>
1	<p><b>19"Color Flatscreen Display</b></p> <p>19" LCD color flatscreen display with high luminance and extended field of view.</p>
1	<p><b>Transparent grid 13/92, Universal</b></p> <p>Highly selective anti-scatter grid for scattered radiation reduction.</p>
1	<p><b>Transparent grid 15/80, F115</b></p> <p>Highly selective anti-scatter grid for scattered radiation reduction.</p> <p>Required for pediatric examinations in some countries. Please check country regulations.</p>
1	<p><b>Transparent grid 15/80, F180</b></p> <p>Highly selective anti-scatter grid for scattered radiation reduction. Required for pediatric examinations in some countries. Please check country regulations.</p>
1	<p><b>DICOM WORKLIST &amp; MPPS</b></p> <p>Import of patient/examination data from an external RIS (Radiology Information System) /HIS (Hospital Information System) patient management system with DICOM MWL (Modality Worklist) as well as feedback on the examination status with DICOM MPPS (Modality Performed Procedure Step).</p>

Qty	Item Description
1	<p><b>Security Package</b></p> <p>Software extension for the system workplace enabling enhanced security features including user management and audit trail functionality.</p>
1	<p><b>VA Kit</b></p> <p>Second set of documentation for Veterans' Affairs Administration Hospitals in the U.S.</p>
1	<p><b>Keyboard, US English</b></p> <p>PS2 standard keyboard</p>
1	<p><b>Compression Belt</b></p> <p>Belt compression device used for patient compression during thoracic or abdominal examinations as well as for safe positioning of restless or frail patients. Compression is achieved by means of an easy to clean, radiolucent plastic belt with a ratcheting tension lever.</p> <p>Advantages of compression:</p> <ul style="list-style-type: none"> <li>- Quick and safe securing of patient to the tabletop.</li> <li>- Reduction of patient thickness, i.e. improvement of image quality through reduction of scattered radiation.</li> </ul>
1	<p><b>Patient positioning mattress</b></p> <p>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.</p>
1	<p><b>Initial onsite training 24 hrs</b></p> <p>Up to (24) 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. 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.</p>
1	<p><b>Additional onsite training 12 hours</b></p> <p>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 purchase date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.</p>
1	<p><b>Portable DR Panel Protector(14x17)</b></p> <p>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</p>
1	<p><b>Standard Rigging DigRad</b></p>
1	<p><b>Ysio 2DA Max Configuration</b></p>

One complimentary biomedical tuition is included with the purchase of this system.

TVPR XP Loyalty Radiography IB expires 1/31/2018

Offset Initial onsite training 24 hrs

Offset Additional onsite training 12 hrs

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# Detailed Technical Specifications

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## Description

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Aim FAST is Ysio Max's unique positioning system, with free, simultaneous movement of up to provides fast, short and certain movement to the acquisition position due to its high performance. Up to 1000 user-defined system positions can be stored using the organ programs. Wireless remote control with the SmartMove button for system positioning. Service configurable objects in the room that can be detoured around during positioning. Service configurable servo assisted ceiling stand movement in X, Y and Z axes. Automatic tube centering function on the detector tray in the table and Bucky wall stand. Cable routing to the stand in the energy chain, for free access to the patient.

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### Detector Bucky

The detector Bucky with single-handed operation includes an IONTOMAT three-field chamber for exposure control (incl. three-field templates) and a device for symmetric positioning of the flat detector.

- Front plate - detector distance  $\leq 45$  mm
- Radiation absorption of the front plate  $\leq 0.5$  mm Al
- A stationary, exchangeable transparent grid for scattered radiation reduction; 13/92. Optio cm and/or 180 cm, or universal grid with a field from 115 to 180 cm (see tender further down)

### Integrated MAX static 43 x 43 flat detector

Integrated, fixed flat detector for digital image acquisition, CsI-scintillator, amorphous silicon (a-Si).

- Detector acquisition matrix: 2869 x 2874
- Pixel size: 148  $\mu$ m
- Acquisition depth (gray scales): 16 bit
- Acquisition formats: up to 42.5 cm x 42.5 cm

### Accessories

Scope of delivery:

- Lateral patient handles for optimum patient positioning, e.g. during PA thorax exposures
  - Patient overhead handle, swiveling around the horizontal axis, for optimal patient positioning acquisitions
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Provides:

- On/off tube tracking
- On/off light localizer
- Tube parking
- Tube centering
- Autopositioning of tube

Full function only available in combination with the Aim/ Aim FAST option

Note: Standard for Aim FAST / Option for Aim

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Technical details:

- Cesium iodide (CsI) scintillator with Amorphous silicon (a-Si) material
  - Detector acquisition matrix approx. (Global system): 2350 x 2866 / (China system only): 2356 x 2872
  - Pixel size: 148  $\mu$ m
  - Acquisition depth (gray scales): 16 bits
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## Description

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- Acquisition formats up to: (Global system) 34.8 cm x 42.4 cm (13.7" x 16.7") /  
(China system only): 34.9 cm x 42.5 cm (13.7" x 16.7")
- Thickness: 19 mm
- Detector weight: 3.3 kg (with battery)
- Max. load 150 kg (patient lying down) and 100 kg (patient standing).
- MAX wi-D - 1 battery
- Data transfer via WLAN

### Operation time:

- At least 950 images
- Min. 5.5 hours under normal load
- Min. 6 hours in standby mode

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### Technical details:

- Grid ratio 5:1, 85 lines/cm
- Grid focusing for source-image-distance (SID) of 115 cm (45")
- 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")
- Weight: 1.1 kg (2.4 lbs)

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Height-adjustable patient positioning table with floating tabletop and detector Bucky for wireless detector.

### **Ysio Max table:**

- Free access to table and patient from all sides.
- Patient positioning tabletop 80 cm x 240 cm.
- Longitudinal and transverse travel:  $\pm 48$  cm and  $\pm 14$  cm ( $\pm 0.4$  cm).  
(maximum longitudinal coverage without patient repositioning 190 cm)
- Height adjustment of the tabletop 44 cm: from 51.5 to 95.5 cm ( $\pm 0.5$  cm).
- Radiation absorption  $\leq 0.65$  mm Al
- Max. patient weight 300 kg.
- Longitudinal movement of detector tray (from edge to edge)  $\geq 100$  cm.

### **Accessories**

#### Scope of delivery:

- Lateral patient handles. The grips make patient positioning easier, and being able to hold c the patient a feeling of security.

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#### Provides:

- Autopositioning
- Raise/lower table
- Release longitudinal/transverse travel of tabletop
- Tube parking

Full function only available in combination with the Aim/ Aim FAST option

Note: Standard for Aim FAST / Option for Aim

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Height adjustment, release, and locking of the floating tabletop is done through a foot kick switch rails are located in the foot area both at the front side and the rear side of the patient positioning programmed individually at the time of installation. This prevents accidental operation by patient persons.

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## Description

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Charger unit for charging the MAX wi-D rechargeable battery when the detector is in the charge (BWS). The charger unit is required if a MAX wi-D cradle was selected for the table or BWS. Also configuration of the wi-D charging cradle on the table or BWS.

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Space for 3 batteries, with LED indicator for charge status. The charger connects to a wall socket cord.

This item includes the following components:

- 1x battery charger
  - 1x power supply
  - 1x battery
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High-frequency X-ray generator with multipulse voltage waveform for diagnostic acquisition procedures without FL function. The multi-pulse voltage waveform enables high data accuracy, reproducibility and short exposure times.

- Multi-processor system for organ programs.
- Free selection of radiographic parameters.
- Electronic generator monitoring during exposure.
- Tube load computer with acoustic alarm and interval display.
- Integrated automatic exposure control.

Generator control fully integrated in the system console.

Rating:

- 80 kW at 100 kV acc. to IEC 601.  
max. 800 mA at 100 kV
- Tube voltage: between 40 kV and 150 kV

Workplaces:

- max. 3 selectable workplaces (Bucky table, Bucky wall stand, and free acquisition).
- One (1) dual focus X-ray tube assembly can be connected.

Power connection:

3 phase current: 380 V, 400 V ( $\pm 10\%$ ); 50/60 Hz.

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CAREMAX plus Dose Area Product (DAP) meter is connected to the collimator via CAREMAX Dose Area Product (DAP) is being displayed on the system control console TUI and recorded in

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The monitor features a very high contrast even under very bright ambient light conditions. The monitor is precisely adapted to the CIE/DICOM recommendation and is thus suited especially for gray scale

Technical details:

- 19" (48 cm) screen size
- Resolution: 1.280 x 1.024 (pixel)
- Maximum brightness (typ.): 280 cd/m<sup>2</sup>
- Flicker-free and distortion-free image display
- Anti-glare screen

The controlled background lighting provides stable lighting throughout the entire product life cycle

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Technical details:

- Grid ratio 13:1, 92 lines/cm
  - Grid focusing for source-image distance (SID) of 140 cm (55")
  - Working range (SID) 115 cm to 180 cm (45" to 71")
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## Description

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Technical details:

- Grid ratio 15:1, 80 lines/cm
  - Siemens lead/fibre technology
  - Grid focusing for source-image distance (SID) of 115 cm (45")
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Technical details:

- Grid ratio 15:1, 80 lines/cm
  - Siemens lead/fibre technology
  - Grid focusing for source-image distance (SID) of 180 cm (71")
- 

### **DICOM MWL (Modality Worklist):**

Import of patient/examination data from an external RIS/HIS patient management system.

### **DICOM MPPS (Modality Performed Procedure Step):**

Sending of dose data, patient data, and examination data to an external RIS/HIS patient management system.

### **Note concerning DICOM interface(s)**

The description in the "DICOM Conformance Statement" downloadable from the Internet is excluded from the functionality of the DICOM interface(s).

Functionalities across system borders with/between partner systems require explicit validation, interpretation of the interface by the partner/target system is not part of the product's responsibility.

A modification of the interface that might be required is not included in the offer; e.g. for the rare 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.

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This software license enables the Workplace System to support enhanced user and system management including:

- user authentication to prohibit unauthorized access
  - privileges to define user/role based functionality
  - permissions to control data access.
  - audit trails to log system and data access.
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Technical details:

- Weight: 3,15 kg
  - Dimensions: 16 cm x 36 cm x 12 cm (L x B x H)
  - Belt width: 23 cm
  - Belt length (completely unrolled): 144 cm
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Technical details:

- Length: 198 cm (78")
  - Width: 66 cm (26") (of which 53.5 cm is padded)
  - Thickness: 2.5 cm (1")
  - Weight: 2.7 kg (5,9")
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