

REQUESTING SERVICE: SURGERY SERVICE/UROLOGY  
SHIP TO: CHIEF, A&MM  
V. A. Medical Center  
700 SOUTH 19TH ST  
BIRMINGHAM, AL 35233

PO: # 521-B72024

## **Item Description**

### **Uroskop Omnia Max**

Uroskop Omnia Max is a high-end stationary fluoroscopy and radiography system for urological diagnostic X-ray imaging, endourology and therapy.

Free patient access from all sides and smart system positioning with a single button push result in faster, more accurate examinations and interventions.

The large 43 cm x 43 cm MAX dynamic flat detector captures the entire urinary tract for both radiography and fluoroscopy imaging and provides high-resolution images for more accuracy and efficiency.

Optional side-by-side display of images from multiple sources during patient treatment offers a comprehensive view for higher diagnostic and therapeutic confidence.

The syngo FLC digital one-stop workflow from patient registration to image documentation offers fast and easy operation for consistent exam settings and a consistent image impression.

Following items are included in the standard delivery:

- Optitop tube
- 65 kW generator
- Display for live image in the control room
- Keyboard/Mouse
- Table tilt +/- 90°
- Standard accessories
- Storage capacity: 2.000 Rad images / 50.000 DFR images
- DICOM Send and Print
- Diamond View Plus
- CD / DVD recorder
- Carevision

### **Polydoros F 80 kW upgrade**

Upgrade for enhanced exposure output for generator POLYDOROS F65 to 80 kW at 100 kV (acc. to IEC 60601-2-7)

### **Multifunctional footswitch Advanced**

Ergonomic footswitch for controlling table lift, table tilt, table longitudinal and transverse

## **Item Description**

movement, rocker switch for longitudinal movement of the X-ray system, switch between X-ray/endoscopy/ ultrasound image, storage of endoscopic image snapshot, last fluoroscopic image (LIH), and rocker switch for fluoroscopy/radiography.

## **Handheld control**

Additional hand-held control for the control room for remote control of the system. All table movements, travel and park position of the X-ray system, park position of the scattered radiation grid, zoom levels, collimator setting. Individually configurable patient transfer and standard working position.

Memory functions for table positions and collimator setting. Storage of fluoroscopy images, navigation in the patient image and reference folder and image reversal.

Switch between reference / endoscopy and ultrasound modes. Change of organ program. Automatic fluoroscopy control.

The hand-held control attaches magnetically to the control panel in the control room.

## **CAREPROFILE**

### **CAREPOSITION**

Radiation-free positioning of the object by graphical display of the central X-ray beam and image edges in the LIH image on the image monitor as orientation points.

### **Fluoroloop**

### **Harmonization**

### **DVD-Recording**

Direct output of fluoroscopy and image series on DVD recorder.

### **Multi Modality Viewing**

Import and viewing of images/studies from other imaging modalities such as MR and CT prior or after examination.

### **19" TFT color monitor**

19" Flat display in TFT technology for the user interface of the imaging system and display of the X-ray live image in the control room.

### **Monitor reference/endo/ultrasound**

Additional 19" flat display in TFT technology in the control room for displaying X ray reference images or external video sources (e.g. endoscopy or ultrasound) connected via VideoManager.

### **Dicom Worklist/MPPS**

### **Dicom Query/Retrieve**

Retrieval of archived images, created with the FLUOROSPOT Compact, from a digital archive or from a workstation, in DICOM XRF, XA, CR, or SC format.

### **Dicom Print**

### **HIPAA security package**

### **HD VideoManager**

This plug and play interface displays live and reference images from endoscopy, ultrasound, and all DICOM modalities - next to your radiography or fluoroscopy images. Even HD (high definition) endoscopy is supported.

### **Video Manager Urodynamic**

X-ray live images can be seamlessly transferred to an additional screen or urodynamic system.

### **IPV6 NAT Router**

This router enables data transmission via IPv6 network.

## **Item Description**

### **CAREMAX**

Measuring chamber integrated into the collimator housing for measuring the dose area product.

The measured values for the dose area product, the accumulated skin entrance dose of the patient (calculated for 30 cm distance from the table, in mGy or as percentage of the configurable limit value) and/or the incident dose rate during fluoroscopy are displayed on the live image monitors.

### **Endoscopy shelf**

Compact storage rack mounted on the unit column for ergonomic positioning of endoscopy modules such as endo light source, endo camera or HF generator, video recorder, video printer. Max. load capacity 50 kg (110 lbs) with limited mounting height of the modules.

### **Endoscopy cable holder**

### **Holder for plastic drain bag**

### **Uro-drain bag**

### **Leg support Coxafix (1 pair)**

### **Micturition seat**

Weight-reduced, two-part, 90° rotatable micturition seat for examinations of the patient in a seated position.

Optimized for a comfortable, low sitting height with the patient's feet on the floor during the entire examination, with moving X-ray system. Unobstructed space under the seat for urodynamics measuring equipment. The micturition seat attaches to the horizontal patient table, max. load 136 kg (300 lbs).

### **Radiation protection, removable**

To protect the upper body against scattered radiation in the operator's environment. The radiation protection shield consists of two elements and can be inserted into the accessory rails of the primary collimator for exposures and fluoroscopy-guided examinations. They are made of two-ply segmented lead-rubber panels (Pb 0.5) and are covered in easy-to-clean plastic. Can be used within an examination unit tilt range of +/- 10°.

Weight: 5.0 kg (11 lbs)

### **VA Kit**

Second set of documentation for Veterans' Affairs Administration Hospitals in the U.S. One set of documentation is included with the system.

### **Cable storage item**

Cable storage compartment for accommodating surplus cable lengths.

The cable storage compartment is fitted to the side of the generator cabinet.

### **Initial onsite trng 32 hrs -**

Up to (32) hours of on-site clinical education training, scheduled consecutively 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.

### **Follow-up Training 16 hours**

Up to (16) hours of follow-up on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. 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.

## **Item Description**

**SPU Standard Rigging & Installation**

**SPU Rigg & Inst Offset - Gov't only**

**Amatech Leg Holder**

**Grey anti-fatigue floor mat for hospital**

**Amatech blade clamp-Uroskop (qty 1)**

**Armboard with trigger adjustment**

**1 in armboard pad**

**Cable tubing 3 1/2# RD w/Velcro**

**CF Urology drain bag (20)**

Urology Drain bag designed specifically for the Siemens Uroskop Access. Made of Durable Vinyl, this drain bag utilizes an under-buttocks flap to direct fluids into the bag. Sterile, individually pouched. (case of 20)

**FootswitchCover f.Uro.Access24x20in Q100**

**Eaton 5P 850G Tower UPS**

850VA / 600W

Input: IEC C14

Output: (6) IEC C13

Dimensions (H x W x D): 9.1" x 5.9" x 13.6"

Weight: 23.0 lbs.

Run Time @ Full Load: 4 min.

Run Time @ Half Load: 14 min.

This product is not OSHPD certified.

Includes two year limited warranty with depot exchange through Eaton.

**VideoManager Out**

Additional DVI Output for transmitting X-ray reference images or external video sources (e.g. endoscopy or ultrasound) connected via VideoManager to e.g. an external monitor.

**HD EndoStore**

Store together what belongs together: images from all modalities can be stored together with X-rays as DICOM images in one patient folder. Just one more click and they will be sent to a PACS as a bundled package - for fast retrieval anytime.

One complimentary biomedical tuition is included with the purchase of this system. This training must be completed before the end of the warranty period.

This educational offering must be completed by the later of (12) months from purchase of training or if applicable, completion of installation. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.

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## **OPTIONS**

**Item Description**

**Monitor Table**

# Detailed Technical Specifications

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## Description

### Patient table

- Height-adjustable table, tiltable (+/-90°), cantilever
- The table supports a patient weight of up to 272 kg
- The system is protected against seepage of liquids
- Imaging system that can travel longitudinally (with recumbent patient)
- Longitudinal and transverse travelling tabletop
- Lateral profile rails for attaching urological accessories
- Motorized movement to park position of X-ray tube, which has an integrated patient handle
- Extremely low, fixed patient seat height for urological examinations
- Fast and easily removable, lightweight tabletop extension for the horizontal positioning of the patient's legs.
- Two 48 cm (19 inch) high-contrast TFT color displays

### Workflow support

- Symmetrical patient access from all sides of the table for urologists and nurses
- Unrestricted view in every examination position thanks to the ergonomic swivel arm with freely positionable TFT color monitors
- Fixed position for the anesthesiologist in the room, at the head end of the tabletop, thanks to the symmetrical patient access
- Low table height enables easy and ergonomic patient repositioning
- Change from ideal patient repositioning spot to your preferred work position with a press of a button
- Motorized, removable grid

### The system is particularly suited for:

- Transurethral procedures (e.g. ureterorenoscopy (URS), double J stent placement, cystoscopy, transurethral resection of bladder tumors (TURB), transurethral resection of the prostate (TURP))
- Percutaneous urological procedures (e.g. percutaneous nephrostomy (PCN), percutaneous nephrolitholapaxy (PCNL))
- Diagnostic urological procedures (e.g. survey imaging of the kidney, ureter, and bladder (KUB), intravenous pyelogram (IVP), retrograde pyelography)
- Video urodynamic procedures, micturating cystourethrogram (MCU)
- Laparoscopic procedures
- Urological pediatric procedures
- Non-urological procedures: e.g. ERCP (endoscopic retrograde cholangiopancreatography)

### Flat panel detector

- Dynamic 43 cm x 43 cm (17 x 17 inch) flat detector with large field of view
- Pixel size: 148 µm
- Physical size of matrix: 2880 x 2880 (8.3 million pixels)
- Size of active matrix: 2840 x 2874 (8.2 million pixels)
- Detail resolution: 3.4 LP/mm
- Acquisition depth: 16 bits

### X-ray generator POLYDOROS F

- High-frequency multipulse X-ray generator.
- Operation by means of organ programs integrated in the digital imaging system
- Automatic X-ray control system for fully automatic calculation and optimization of exposure data based on

## Description

fluoroscopy values

- Nominal power: 65 kW at 100 kV in accordance with DIN 6822, 800 mA at 81 kV
- Prepared for enhancement to 80 kW nominal power

### **FLUOROSPOT Compact digital imaging system**

- High-resolution digital imaging system with innovative image display, DICOM network functionality, and syngo-like user interface.
- Multifunctional workplaces for the acquisition and post-processing of fluoroscopy and radiography images
- Support for urology workflows: patient registration, image acquisition, image postprocessing, and documentation
- Image processing: Real-time edge enhancement, positive/negative image display, windowing, brightness/contrast, electronic collimation, vertical and horizontal image flip, magnifying lens and zoom function, free text annotations.

**CARE-Program**, Combined Applications to Reduce Exposure (CARE), a Siemens initiative for dose saving

- CAREMATIC: Automatic X-ray control system for fully automatic calculation and optimization of exposure data based on fluoroscopic data
- CAREFILTER: Three-stage adaptive CU prefiltering to reduce patient dose
- CAREVISION: Pulsed fluoroscopy with selectable pulse frequencies
- Additional optional CARE functionalities

### **DICOM functionality**

- DICOM Send: Network interface in DICOM 3 standard for DICOM 3-compatible image transfer
- DICOM StC: Archiving acknowledgement from the image archive (StC = Storage Commitment)
- Additional optional DICOM functionalities

### **Accessories included**

- Lightweight tabletop extension, 95 cm
- Standard mattress set, head wedge
- Elbow supports
- Arm shield
- Hand-held remote and holder
- Operating panel
- Interface for patient printer, CD/DVD writer

### **Siemens Remote Services**

System management software package to support Siemens Remote Service (SRS) with the following functions:

- Siemens Remote Service basic package for diagnostics and repair, quality assurance, and software maintenance.
- Early warning system ensuring system operation
- The functions are made available as part of the maintenance contract package

Prerequisite for the early warning system is a permanent connection to the system via LAN and router. This is to be provided by the project manager on site.

Technical details:

- 19" (48 cm) screen size
- Resolution: 1280 x 1024 (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.

## Description

### 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.

### **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 exclusively binding for the functionality of the DICOM interface(s).

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.

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.

### DICOM Query/Retrieve service as SCU (Service Class User)

#### Supported formats:

DICOM XRF (X-ray Fluoroscopy)

DICOM XA (X-ray Angiography)

DICOM CR (Computed Radiography)

DICOM SC (Secondary Capture)

The images need to be created with FLUOROSPOT Compact (*syngo FLC*).

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

For the functionality of the DICOM interface(s), only the description of them given in the "DICOM Conformance Statement" (downloadable from the Internet) is binding.

Cross-interface functionalities that are shared by or that link partner systems require explicit validation, since the interpretation of the interface by the partner system or target system lies outside the scope of the product's liability.

Any changes to the interface that may be required are not part of this quotation. This also applies in those rare cases when the existing configuration options are insufficient.

With regard to expenses for interface configurations that might be required, the agreements made governing maintenance and service of the product apply.

### Note on DICOM interface(s))

Only the information stated in the DICOM Conformance Statement (DCS) is binding for the functionality of the DICOM interface(s). The DCS can be downloaded from the Internet.

Functionalities that act across interfaces with/between partner systems require explicit validation, since the interpretation of the interface by the partner/target system lies outside the area of responsibility for this product. Such a validation can be implemented on request against payment of the costs incurred.

The quotation does not include any interface changes that may be required, e.g. if existing configuration possibilities are insufficient (does not apply very often).

The agreements pertaining to maintenance/service of the product shall apply to any costs incurred by necessary interface configurations.

<b>Description</b>
<p>The SW license for systems with Fluorospot Compact enables extended user management and includes the following features:</p> <ul style="list-style-type: none"> <li>- User identification to prevent unauthorized access.</li> <li>- "Privileges" to define user/role dependant functions.</li> <li>- "Permissions" for data access control.</li> <li>- "Audit trails" for recording system and data access.</li> </ul>
<p>Features connections for DVI-I (2x), RGB, YPrPb, Y, S-Video (2x), Composite, SD/HD-SDI (2x), VGA; offers 150 preprogrammed timings and supports PAL and NTSC up to 1080p (1920 x 1080,50/60Hz, interlaced / progressive).</p>
<p>Additional output with the X-ray live signal in DVI-I-format.</p>
<p>The IPv4 communication of the imaging system is converted to IPv6. GRE and LISP are the supported transmission methods.</p>
<p>Cable holder for HF cable.</p>
<p>Preassembled plastic drain bags with apron, removable filter screen and expandable drain hose.</p>
<p>Leg Holders with "Piston lift" for use with the Uroskop Access. Leg holders allow intra-operative positioning without side rail adjustments or compromising the sterile field. Designed for laparoscopy and other procedures requiring low lithotomy positioning. These leg holders are designed to help neutralize leg weight and can accommodate patients that are up to 350 lbs. in weight.</p> <p>Additional features:</p> <ul style="list-style-type: none"> <li>- The lightweight molded boots are lined with soft pads that encapsulate the foot to keep it from slipping out-even in radical elevated lithotomy positions.</li> <li>- Reduces pressure under the fossa or where the peroneous nerve is superficial.</li> <li>- The comfortable squeeze grips permit adjustment of lithotomy and abduction positions for optimal surgical site exposure.</li> <li>- Once the patient is positioned, simply release the handle to secure the leg-holders.</li> <li>- Socket and pad set are included with the purchase of the Leg Holders.</li> <li>- Includes one year warranty through Amatech.</li> </ul>
<p><b>Industrial-grade anti-fatigue floor mat that provides comfort and durability. As a high-quality product designed to fight fatigue, it provides support for tired, aching feet, legs and back. Beveled edges for safety. Size 3'x5'.</b></p>
<p>Basic blade clamp that is compatible with Amatech's knee crutches and leg holders when used in conjunction with Siemens Uroskop Access.</p>
<p>Armboard with trigger adjustment for attachment to the Uroskop Access. The armboard pad is not included and must be ordered separately. AMP003824RBB20A1 – 2" armboard pad</p>
<p>1" armboard pad to be used with the Armboard with trigger adjustment (part number AMFABSLTE)</p>

<b>Description</b>
<p>3 1/2" diameter cable tubing with Velcro closure. White. 15 foot long.</p> <p>Made of PVL which is a tough, lightweight flexible jacket of vinyl-coated polyester. Flame retardant PVC is laminated to both sides of a Polyester fabric to make this rugged jacket extremely flexible and lightweight. This reinforced construction provides good wear resistance combined with high tear strength. It's ideal for discrete wires, wire harnesses, hoses, and other applications where its flexibility, strength and abrasion protection are needed. The jacket conforms to MIL-C-43006E, Type II, Class 1.</p>
<p>Urology Drain bag designed specifically for the Siemens Uroskop Access. Made of Durable Vinyl, this drain bag utilizes an under-buttocks flap to direct fluids into the bag. Sterile, individually pouched.</p>
<p>Wide Footswitch cover, 24" x 20" fits with latex free elastic cord and cinch lock, Bulk packaged, non-sterile.</p>
<p>Control room desk (height 72cm, width 120cm, depth 80cm) which accommodates up to 2 monitors as well as keyboard, mouse and control panel.</p>