VAMC MINNEAPOLIS, MN
PO# 618-B39051

## UROSKOP Omnia

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

| Qty | Item Description |
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| 1 | **UROSKOP Omnia, Left** |

UROSKOP Omnia is a sophisticated fluoro and X-ray system dedicated for diagnostics and therapy in urology. The system features a 43 cm x 43 cm (17" x 17") dynamic flat detector which allows survey exposures of the whole urinary system. The unique system design with its angulated X-ray column and the spring-articulated swivel arm with two TFT color monitors allows for truly unrestricted patient access from all four table sides. The optional HD VideoManager offers numerous interfaces for displaying e.g. endoscopy, ultrasound side-by-side with X-ray and fluoro images and for video transmission of e.g. X-ray live images to external video-urodynamic workplaces.

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| 1 | **Cable storage item** |

Cable storage compartment for accommodating surplus cable lengths. The cable storage compartment is fitted to the side of the generator cabinet.

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| 1 | **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)

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| 1 | **Endoscopy shelf , left** |

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| 1 | **HD VideoManager** |

Interface for displaying external video signals (e.g. endoscopy and ultrasound) on the right-hand TFT color display on the unit. Supports HD (high definition) endoscopy. 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).

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| 1 | **Video Manager Urodynamic** |

Additional output on the VideoManager with the X-ray live signal in DVI-I format. E.g. for video urodynamics or for connecting an additional external monitor

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| 1 | **HD EndoStore** |

A video signal connected via VideoManager (e. g. endoscopy or ultrasound) is saved as an image in DICOM format and stored in the same patient record together with all patient images acquired. Images of all modalities can be transferred to a PACS as a packet. Supports HD (high definition) endoscopy.

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| 1 | **19" TFT color monitor** |

19" TFT color monitor for the user interface of the imaging system and display of the X-ray live image in the control room. Resolution 1280 x 1024 pixels Luminance 280 cd/m² (typ.)

| 1 | **Handheld control** |
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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.

| 1 | **Keyboard, US / english** |
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Standard keyboard

| 1 | **Fluoroloop** |
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| 1 | **Dicom Query/Retrieve** |
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Retrieving archived images

| 1 | **Dicom  Worklist/MPPS** |
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| 1 | **Dicom  Print** |
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| 1 | **Multifunctional footswitch Advanced** |
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Ergonomic footswitch for controlling table lift, table tilt, table longitudinal and transverse 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

| 1 | **Micturition seat left** |
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| 1 | **Holder for plastic drain bag** |
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| 1 | **Initial onsite trng 32 hrs - FMV $7400** |
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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.

| 1 | **SPU Standard Rigging & Installation** |
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| 1 | **SPU Rigg & Inst Offset - Gov't only** |
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| 1 | **Amatech Leg Holder** |
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| 1 | **Armboard with trigger adjustment** |
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| 1 | **1 in armboard pad** |
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| 1 | **CF Urology drain bag (20)** |
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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)

| 1 | **One complimentary biomedical tuition is included with the purchase of this system. This training must be completed before the end of the warranty period.** |
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| 1 | **TWO SETS OF SERVICE AND OPERATORS MANUALS** |
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| 1 | **Project #2013-1520, Liebel Flarsheim- Hydravision DR64, expires 1/1/2014, deinstall 8 / 2014 (** |
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# Detailed Technical Specifications

## UROSKOP Omnia

| . / Product | Description |
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| **UROSKOP Omnia, Left** | **Patient Table**<br>- Left-hand version of the basic unit<br>- Height adjustable tilting table (+/-90°), cantilevered.<br>- Table supports up 272 kg / 600 lbs of patient weight<br>- Longitudinally traveling imaging system, independent of table position<br>- Longitudinally and transversely traveling tabletop<br>- Lateral profile rails for attachment of urological accessories<br>- Motorized park position of the X-ray tube assembly with integrated patient grip<br>- Very low, fixed sitting height of the patient during urodynamic examinations<br>- Fast and easily removable, lightweight tabletop extension for the horizontal positioning of the patient's legs.<br>- Two high-contrast 48 cm (19 inch) color TFT displays<br><br>**Workflow Support**<br>- Symmetrical access to the patient from all table sides for urologist and nurse<br>- Unobstructed view from every working position thanks to the ergonomic swivel arm with freely positionable TFT displays<br>- Defined position of the anesthetist in the room at the head end of the tabletop through symmetric patient access.<br>- Low table position to facilitate easy and ergonomic patient transfer<br>- Changes from the ideal patient transfer position to your preferred working position with just one push of a button<br>- Motorized, removable grid<br><br>**The system is especially suitable for**<br>- Transurethral procedures (e.g. Ureterorenoscopy (URS), Double-J stent insertion, cystoscopy, transurethral resection of bladder tumor (TURB), transurethral resection of prostate (TURP))<br>- Percutaneous urologic procedures (e.g. percutaneous nephrostomy (PCN), percutaneous nephrolitholapaxy (PCNL))<br>- Diagnostic Urologic Procedures (e.g. Overview Imaging (KUB), Intravenous Pyelogram (IVP), retrograde Pyelography, ultrasound imaging)<br>- Video Urodynamic Procedure, Micturation Cystourethrogram (MCU)<br>- Laparoscopic procedures<br>- Urological pediatric procedures<br>- Non urologic procedures: e.g. ERCP (Endoscopic Retrograde Cholangiopancreatography)<br><br>**Flat panel detector**<br>- Dynamic Flat Detector with a size of 43 x 43 cm (17 x 17 inch) and a large field-of-view<br>- Pixel size: 148 µm<br>- Matrix size: 2,840 x 2,880 (8.2 million pixels)<br>- Detail resolution: 3.4 LP/mm<br>- Acquisition depth: 16 bits<br><br>**POLYDOROS F X-ray generator**<br>- High-frequency X-ray generator with multipulse voltage waveform<br>- Operation via user programs integrated in the digital imaging system<br>- Automatic X-ray control system for fully automatic calculation and optimization of the exposure data on the basis of the fluoroscopic values |

| / Product | Description |
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| *(Continued)* <br><br> **UROSKOP Omnia, Left** | - Rating: 65 kW at 100 kV according to DIN 6822, 800 mA at 81 kV<br>- Prepared for the option: Upgrade to 80 kW rating<br>-<br>**Digital imaging system FLUOROSPOT Compact**<br>- High-resolution digital imaging system with innovative image display, DICOM network connection and syngo-like user interface.<br>- Multifunctional workstations for acquisition and post-processing of fluoroscopic and radiographic imaging<br>- Supporting urological workflows patient registration, image acquisition, image post-processing, documentation.<br>- Image processing: real-time edge enhancement, positive/negative image display, windowing, contrast/brightness, electronic display (shutter),vertical and horizontal image flip, magnifying glass and zoom functions, free text annotation<br><br>**CARE program,** Combined Applications to Reduce Exposure (CARE), a Siemens initiative for dose reduction<br>- CAREMATIC: Automatic X-ray control system for fully automatic calculation and optimization of the exposure data based on fluoroscopic values<br>- CAREFILTER: Three-level adaptive CU prefiltration for reducing patient dose<br>- CAREVISION: Pulsed fluoroscopy with selectable pulse frequencies<br>- additional CARE functionality optional<br><br>**DICOM functionality**<br>- DICOM Send: Network interface in DICOM 3 standard for DICOM 3 compatible image transfer<br>- DICOM St C: Feedback from the image archive (St C = Storage Commitment)<br>- additional DICOM functionality optional<br><br>**Accessories included**<br>- Lightweight tabletop extension 95 cm (37.4")<br>- Standard mattress set with head wedge<br>- Elbow supports<br>- Arm shield<br>- Hand control unit and holder<br>- Control panel<br>- Interface for paper printer, CD / DVD burning<br><br>**Siemens Remote Services**<br>System Management software package to support Siemens Remote Service (SRS) with the following functions:<br>- Basic package Siemens Remote Service for Diagnostics and Repair, Quality Assurance and Software Maintenance.<br>- System operation monitored by an early warning system<br>- The functions are made available in accordance with the maintenance contract package<br>Prerequisite for the early warning system is a permanent connection to the system via LAN and router. It is the project manager's task to make this available on-site. |
| **Fluoroloop** | Digital background storage during the fluoroscopic scene. |
| **8** <br> **Dicom Query/Retrieve** | Retrieving archived images from a digital archive or from a workstation. The images must be available in DICOM – RF (Radio fluoroscopy) or SC (Secondary Capture) format and must have been generated by Fluorospot Compact.<br><br>Notes on DICOM interface(s))<br>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 under .<br><br>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. |

| / Product | Description |
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| *(Continued)*<br><br>**Dicom Query/Retrieve** | 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).<br>The agreements pertaining to maintenance/service of the product shall apply to any costs incurred by necessary interface configurations. |
| **Dicom Worklist/MPPS** | DICOM Worklist:<br>Import of patient/examination data from an independent RIS/HIS.<br><br>DICOM MPPS (Modality Performed Procedure Step):<br>Sending of dose, patient and examination data to an independent RIS (MPPS).<br><br>Note on DICOM interface(s))<br>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 under .<br><br>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.<br><br>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).<br>The agreements pertaining to maintenance/service of the product shall apply to any costs incurred by necessary interface configurations. |
| **Dicom Print** | Note on DICOM interface(s))<br>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.<br><br>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.<br><br>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).<br>The agreements pertaining to maintenance/service of the product shall apply to any costs incurred by necessary interface configurations. |
| **Holder for plastic drain bag** | Flexible, tiltable spring band frame for use at the perineal table end, allowing easy attachment of a plastic drain bag with drain hose. |
| **Amatech Leg Holder** | 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.<br><br>Additional features:<br>- 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.<br>- Reduces pressure under the fossa or where the peroneous nerve is superficial.<br>- The comfortable squeeze grips permit adjustment of lithotomy and abduction positions for optimal surgical site exposure.<br>- Once the patient is positioned, simply release the handle to secure the leg-holders.<br>- Socket and pad set are included with the purchase of the Leg Holders.<br>- Includes one year warranty through Amatech. |
| **Armboard with trigger adjustment** | Armboard with trigger adjustment for attachment to the Uroskop Access.<br>The armboard pad is not included and must be ordered seperately. |

| / Product | Description |
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| *(Continued)*<br><br>**Armboard with trigger adjustment** | AMP003824RBB20A1 – 2" armboard pad |
| **1 in armboard pad** | 1" armboard pad to be used with the Armboard with trogger adjustment (part number AMFABSLTE) |
| **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. |