

# UROVIEW2600™

**Urological Table with Digital X-ray Imaging**



Setting a NEW Standard...  
*...from the "Leader in Intraoperative Imaging"*

**OEC**  
OEC MEDICAL  
SYSTEMS, INC

More Surgeons use fluoroscopic imaging equipment from OEC than any other company.



***OEC, the "Leader in Intraoperative Imaging" sets another new standard in urology with the introduction of the UROVIEW 2600™ Urological Table with Digital Imaging.***

Superb image quality is an OEC hallmark. Recent technological advancements in areas such as CCD cameras, optics and real-time digital image processing have allowed OEC to set yet another "new standard" for urology tables with imaging. System operation is remarkably easy and uncomplicated. The UROVIEW 2600™ is designed to provide uncompromised performance in procedures from routine cystoscopy to the most demanding endourological cases involving advanced fluoroscopic imaging.

# Here's Why...

## Large Field of View, Superb Quality Images



- More anatomical coverage
- Less fluoro scanning
- No-lag CCD Camera
- New compact camera design allows 12" I.I. to be incorporated without restricting minimal table height.

## Superb Urologist and Patient Comfort



- SofTouch™ drain bag assembly and elbow supports
- SofTouch™ pneumatic-assist lithotomy stirrups
- Low table height - even with larger 12" image intensifier
- Plenty of leg room for urologist
- SofTouch™ table top pad

## Low Dose Fluoroscopy



- Stationary imaging chain limits proximity of x-ray beam to Urologist
- Pulsed fluoroscopy at user selectable pulse rates
- CCD TV camera technology for improved dose efficiency
- Digital Spot Mode greatly reduces need for radiographs (lower dose than films)

## Ease of Operation



- Automatically gives superb quality images time-after-time.
- Common imaging controls from urologist's footswitch
- Improved, "no-look" table foot control design
- Integrated videoscapy option
- Tabletop positional memory & recall



# Large Field of View, Superb Quality Images Without Compromise...

## Large 12" Fluoro Field of View

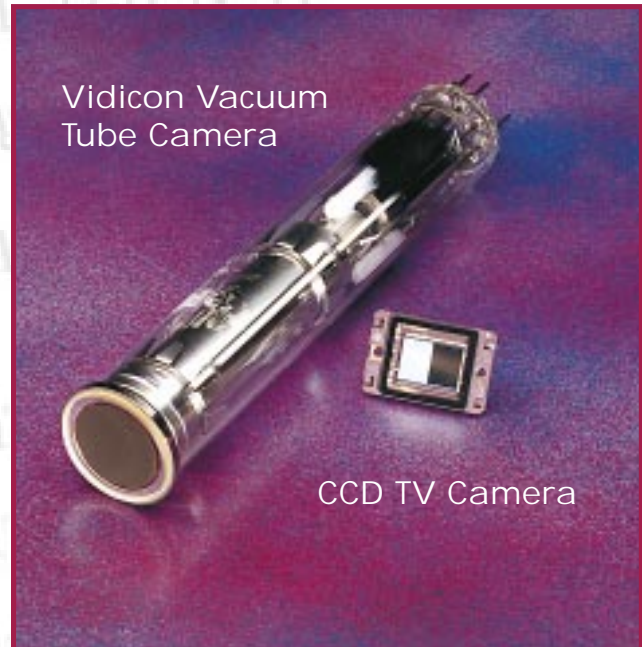


Urological tables with 12" image intensifiers and conventional tube type TV cameras restrict the range of vertical table travel and won't allow low table heights needed for convenient patient transfer.

UROVIEW's compact 12" image intensifier package allows greater anatomical coverage, resulting in less image panning and a greatly reduced need for patient movement without restriction to table height.



The tri-mode image intensifier provides 12", 9" and 6" fields of view at the touch of a button for image magnification where greater detail is desired.



*Conventional Vacuum Tube vs. CCD Technology*

## Leading Edge CCD TV Camera Technology

- Superior images at lower radiation dose
- Reduction of image lag or smearing associated with motion
- Improved X-ray dose efficiency - lower exposure to patient and operator
- Higher reliability and lower maintenance costs
- Consistent image quality - no degradation in image quality over time
- Smaller physical size - the key to larger field imaging without restriction of minimum table height.

# Up to 94% X-ray Dose Reduction...

*Your protection from exposure to both primary and secondary radiation is of utmost concern to OEC design engineers.*

- **Pulsed Fluoroscopy:** Conventional fluoroscopy produces a continuous x-ray output throughout the fluoro exposure. The 2600's new pulsed fluoro modes provide short duration x-ray pulses which substantially lower fluoro dose levels - up to 94% vs. conventional fluoroscopy. User selectable pulse rates of 1, 2, 4 and 8 pulses per second permit optimal dose reduction levels for the clinical demands of the procedure.
- **CCD TV Camera** technology for improved fluoro dose efficiency.
- **Carbon Fiber Tabletop and X-ray Grid** provide low attenuation of x-ray beam and improved dose efficiency.
- **Stationary Imaging Components** limit physician proximity to radiation beam.
- **12" Field of View** reduces number of fluoro exposures required to visualize all urological anatomy.
- **Tabletop Positional Memory/Recall** of up to 3 positions reduces fluoro panning to locate anatomy of interest.
- **Digital Spot Mode** speeds procedures, reduces hardcopy film costs and lowers x-ray dose to patients and Urologist.

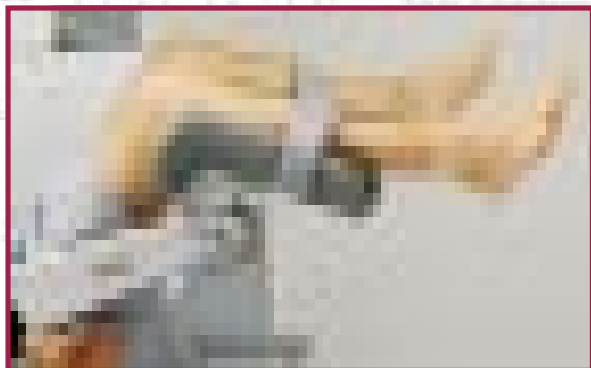
PULSED FLUOROSCOPY - ABS CONTROL	
PULSES PER SECOND	DOSE REDUCTION vs. CONTINUOUS FLUORO
1PPS	94%
2PPS	89%
4 PPS	75%
8 PPS	58%

*Complete x-ray dose study available upon request.*



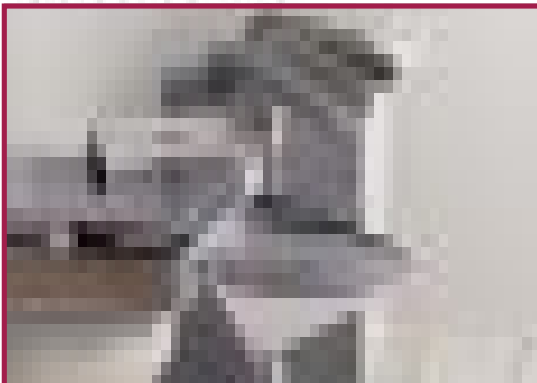
# Improved Safety and Comfort for the Urologist and Patient...

*Extensive clinical input has been directed towards every detail of the UROVIEW 2600™ table and accessories design.*



**SofTouch™ Pneumatic-Assist Lithotomy Stirrups**

- Lightweight, counterbalanced design provides safe, finger-tip control.



**SofTouch™ Collapsible Drain Bag Assembly and Elbow Supports**

- Flexible, human engineered design, allows for improved physician comfort and maximum fluid capture.



**SofTouch™ Tabletop Pad**

- Comfortable, seamless, puncture resistant patient mattress greatly reduces the chance of a soft tissue injury.



**Table Foot Extension**

- Ultra - lightweight foot extension is easy to attach and remove plus provides SofTouch™ padding for excellent patient comfort.



**Collision Protection**

- A protective housing on the under-table imaging components prevents table collisions with solid obstructions. Crash housing sensors stop table motion on contact.



**Safe Patient Transfer To and From the Table**

- X-ray tube support parks off-table
- Low, 29" table height, even with 12" image intensifier installed.



## Ease of Operation...

*The UROVIEW 2600™ is clinically engineered to provide simple, intuitive operation for shorter procedure times with fewer operator motions.*

- Automatic, computer controlled fluoro techniques with real-time digital image processing.
- Ergonomic, “no-look” table foot control.
- Hands-free fluoro image save, spot film radiography and digital spot fluoro via physician’s foot control.
- Tower display for operator prompts and positional indicators.
- Multiple tabletop positional memories with recall from physician’s foot control.
- Operator help menus for on-line instructions via tower monitor.



## And, Post-Procedure Cleanup is Made Easy

- Hinged table top for easy cleanup of fluids
- Smooth cover design with easy-to-clean surfaces
- Integrated splash shields



## Superb Image Quality and...



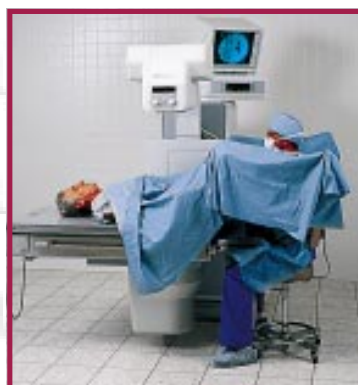
*Image Processing and Hardcopy Workstation*



*Optional Desktop Workstation*



- ✓ Large Field of View Plus Low Table Height
- ✓ Wide Range of Clinical Versatility
- ✓ User Friendly, Simple to Operate
- ✓ New Low Dose Design
- ✓ SofTouch™ Comfort Features for Patient and Urologist



*29" Tabletop to Floor*



*53" Tabletop to Floor*

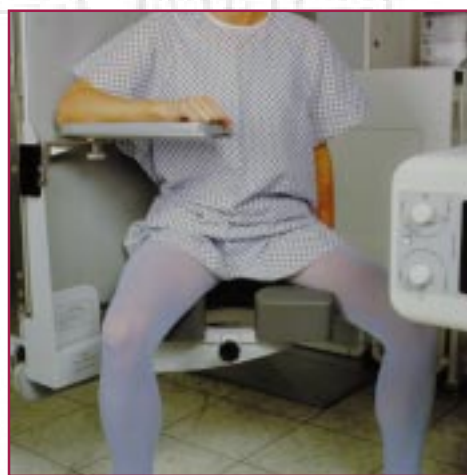


*20° Trendelenberg Tilt*





*Optional UroVideoscapy*



*Urodynamics Seat*



*90° Upright*

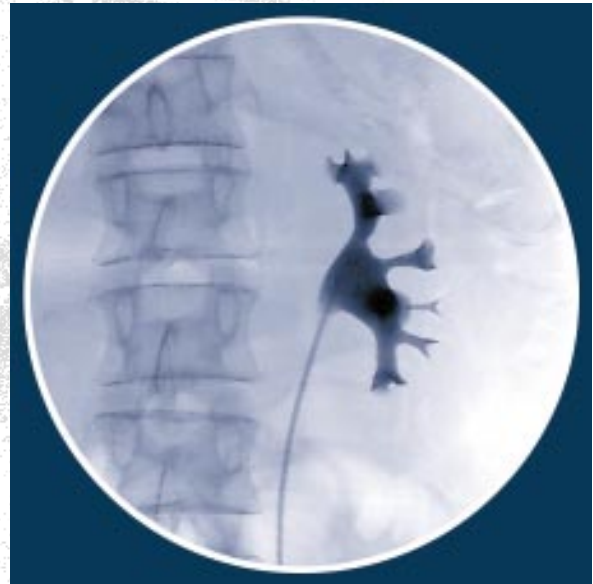


*Table with Foot Extension*

# Superb Fluoro Images...Automatically!

## Automatic Image Control *Fast, Consistent Fluoro Images*

Excellent image quality is achieved with a minimum of operator interface. Computer software controls image technique (kVp, mA) and camera gain. Even digital contrast and brightness adjustments are controlled automatically via real-time Auto Histogram. The results are superb images, instantly, at the push of the fluoro pedal.



## Digital Image Enhancement *Superb Image Quality*

Image quality and clarity are greatly enhanced via real-time video frame averaging (for noise reduction) and motion artifact reduction techniques. Real-time digital window/level algorithms assure optimal grayscale presentations. Images can be displayed in normal or reverse polarity (negate) formats. Variable edge enhancement optimizes detail in the image for hard copy documentation.



## Digital Zoom and Roam *Maximize Image Interpretation*

Digital magnification (2x or 4x) of a desired region of interest in the fluoro image allows for enhanced visualization of image detail without additional x-ray exposures.





# Convenient Image Storage and Retrieval

## Mass Image Storage

### *Archive Now...Hardcopy Later*

Up to 100 fluoro images can be saved into digital memory. The urologist can capture images, hands-free and without interruption, for later image review and/or hard copy. The mobile or desktop Workstation allows patient, physician and procedural information to be entered and automatically recorded with each image. Stored images can be further enhanced; in addition, anatomical markers and comments can also be placed on the fluoro image for documentation purposes.



## Image Collage and Directory

### *Easy, Quick Image Access*

The 100 image disk can be reviewed a page (16 images) at a time. Selected images are displayed full size on the adjacent monitor. The image disk can also be reviewed by selecting a specific patient, physician, or date. Only these images will be presented.



## Dynamic Digital Disk

### *Ultra High Quality Dynamic Image Recording*

The optional dynamic digital disk has record/play rates up to 4 frames per second at a recording capacity in excess of *five* minutes. Dynamic studies such as voiding cystourethrograms and retrograde pyelography can be recorded in high quality digital format instead of video tape. Playback and review are fast and simple. Dynamic sequences can be reviewed in real-time or frame-by-frame, making it easy to locate and document any desired portion of the study.





# Document Fluoro Results...Cost Effectively!

## Digital Spot Mode

### *Speeds Procedure & Lowers Cost*

The UROVIEW 2600™ comes standard with the ability to perform high quality "Digital Spot" and "Serial Digital Spot" imaging.

- Replaces radiographic film
- Consistently superior images
- Significantly lowers dose
- Speeds procedures
- Reduces film cost



## Hard Copy Camera or Digital Laser Interface

### *Budget Sensitive Choices*

Fluoro images can be copied with a variety of hard copy devices. A built-in camera produces 8" x 10" film copies or a direct digital laser interface permits convenient, ultra-high quality copying of images from most laser imagers commonly found in modern radiology departments. Images can also be copied with a variety of economical paper-printer devices.

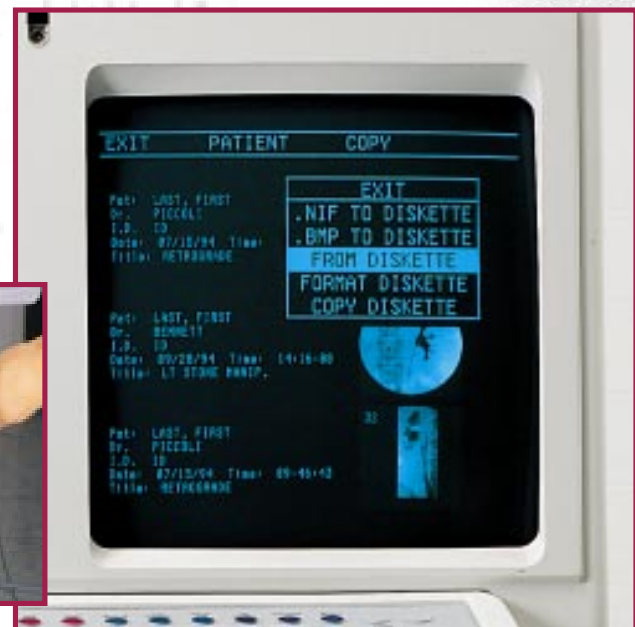


*Analog & Digital Interface*

## Image Transfer to Computer Diskette

### *Desktop P.C. Compatible*

Fluoro images can be copied to and retrieved from removable 3.5" computer diskettes for long-term archival storage and a convenient means to transfer digital images to PC computer format for presentation and educational purposes.



# Premium Filming...Made Simple!

## Easy Technique Selection

### *For the Infrequent User*

Radiographic features include automatic exposure control, automatic collimation, and an easy to understand x-ray control panel. Even infrequent operators can quickly produce high-quality radiographs with the UROVIEW 2600™. OEC's urology-specific designed 30kW, high frequency x-ray generator has proven to provide excellent radiographic results at over 600 hospitals worldwide.



## Automatic Film Handling

### *Let the System Do the Work*

Radiographs can be taken on a variety of film cassette sizes from 8" x 10" through 14" x 17". A highly reliable, automatic film handling mechanism simplifies cassette loading and makes positioning a snap.



## Spot Film Radiography

### *Hands-Free & On the Fly*

Radiographs can be initiated from both the X-ray control panel or the urologist's footswitch. The footswitch "spot film" function permits rapid switching from fluoroscopic to radiographic exposures on the fly.



# Space Saving Design - Low Installation Costs

## Compact X-ray System

The UROVIEW 2600™ x-ray generator and control panel require little floor space and minimal electrical power line input. The system can usually be installed in existing urology suites with very low site preparation costs.

The digital imaging Workstation is available in either a mobile or desktop version for maximum operating versatility and operating room space savings.



## Convenient Integration of Peripheral Equipment

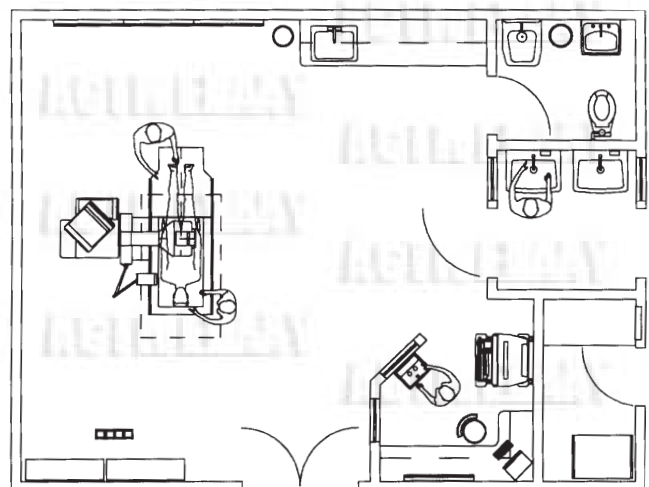
Tower mounted side shelves provide convenient location of peripheral equipment such as light sources and electrosurgical units. Videoscopy equipment can be integrated with the UROVIEW 2600™ table and TV imaging system for additional convenience and space savings.

Optional UroShelf expands tower mount side shelf for additional equipment and storage.



## Comprehensive Site Planning & Fast Installation

OEC provides complete site planning services with every UROVIEW 2600™ system. We work carefully with architects and planners in designing custom urology suites and work areas that get maximum utilization of valuable hospital space. Due to detailed plans and system pre-staging, installation is fast and efficient.





# World-Class Products, Training & Service

Quality, Reliability, Plus  
Dependable Service

***100% Uptime Assurance***

OEC products are designed and manufactured to provide outstanding performance and reliability during normal use. If, during the standard warranty period, your UROVIEW 2600™ fails to provide the minimum operating functions necessary to image patients, OEC will extend the warranty period by one month for every day your system is nonfunctional.

Our extensive service network services only OEC digital imaging systems. Because of this we are uniquely positioned to provide high quality service in a timely fashion.



## Clinical Support and Training

***OEC Understands Your Needs***

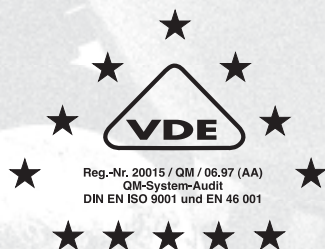
Clinical operator training is included with each and every UROVIEW 2600™. An OEC Clinical Imaging Specialist will be on site upon installation of your UROVIEW 2600™ and will remain with your staff for in-service instruction.

Technologists in many states are required to obtain Evidence for Continuing Education (ECE) Credits in order to retain their license to practice. OEC's Clinical Imaging Specialists have been authorized by the American Society of Radiologic Technologists to issue ECE points to those who complete UROVIEW 2600™ clinical training.



## Worldwide Sales and Service

*OEC Medical Systems has achieved ISO-9001 or ISO-9002 registration for all of its facilities. This significant accomplishment provides you with the assurance of OEC's commitment to the highest quality standards accepted by the worldwide community.*



**The Uroview 2600™ is manufactured in the modern manufacturing facility at OEC's headquarters located in Salt Lake City, Utah, USA. OEC Medical Systems also maintains manufacturing facilities in Warsaw, Indiana, USA and in Wendelstein, Germany.**



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