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## Omniscop FP

### *C-Arm X-Ray Unit*



# INNOVATION & HEALTH

Omniscop FP system is a surgical C-arm made with the latest technology and user-friendliness to provide the widest range of surgical applications, such as orthopedic surgery, abdominal surgery, cardiology, urology, interventional procedures and vascular surgery (optional). The mechanics combine low weight but lasting strength, with reliable and precise positioning movements. Operative modalities permit continuous fluoroscopy with digital processing for image noise reduction in dynamic sequences, pulsed fluoroscopy with a high dose reduction capability, snap shot exposure mode for high quality image to be used for reporting, and standard radiography with CR or detector.

# WHY OMNISCOP FP?

Omniscop FP engages new high technology in terms of C-arm geometry, state of the art Flat panel detector with very high sensitivity, low dose operation and advanced dose settings, you enjoy new flexibility and comfort in performing your procedures. From minimally invasive surgery, lumbar spine decompressions and fusions to abdominal aortic aneurysm repair, neuro simulation and more. With the Omniscop FP you get high performance imaging and better access without sacrificing clarity or clinical flexibility.

# INNOVATION THAT CARES

*The Omniscop FP new generation of C-arm has been designed state of the art with innovations that make job easier for the surgeons. RADIOLOGIA follow up with hospital's professional their needs un suggestions to englobes a new product more flexible, more dynamic and high performance.*

*Omniscop FP is fully counterbalanced, operates vertical movement motorized, includes estering wheels for multiple easy maneuverability and also the accesability has been improved with more depth space which allows better performance. The Flat Panel provides high quality images with high sensitivity and also includes a new software with all range of tools that helps to make a precise diagnosys.*



Very high sensitivity Csl, 21x21cm and 30x30cm fluoroscopy flat panel

Full touch "smart" user interface  
Compact LED display & high performance PC  
Real time image display  
Comfortable operator view at any position

Real time function  
Fast processing  
Multiple tools - software

The large C-arm depth makes possible a maximum accessibility (82cm open space) and flexibility of use.

X-ray generator  
20kW max. power  
100kV-200mA

Very high brightness and contrast colour medical displays  
Height & Angle adjustable of 22" Full HD wide format displays  
Full touch "smart" user interface  
Easy to clean without keyboard & mouse

Special soft covers around the base protecting the operator against accidental collisions

High performance 0,3-0,6 focal spot  
Rotating anode X-ray tube



# BECOME 100% DIGITAL

**Omniscop FP** includes a New Flat Panel Generation 16bit with very high sensitivity and low dose operation. Some of main advantages are the distortion-free images in real time and DQE 65% performance at fluoroscopic dose which allows a critical dose reduction for both surgeons and patients. high resolution 154 um with a matrix area up to 1954x1994 up to 25 Fps



## MAIN APPLICATIONS

### Orthopaedic

Hip and femur nailing. Tibia and Humerus fractures. Pelvis, Small objects

### Head & Column

Spine fixations. Pain treatment. Neuromodulation  
Hyperphysectomy. Laser nucleolysis

### Thorax

Pacemaker connections, Electro-Physiology  
Biopsies. Ventricular-abdominal

### Abdomen

Percutaneous nephrolithotomy (PCNL).  
Urethroscopy, Cystoscopy, Cholangiography, E.R.C.P.

### Vascular peripheral

Femoral artery, Popliteal artery, Endarterectomy

### Control of bypasses

Vascular abdominal  
Abdominal Aortic Aneurysm procedures AAA

### Vascular cerebral

Carotids, Intra-craneal aneurysm control

### Cardiac

## Main new features:

- Very high brightness and contrast colour medical displays
- Height & Angle adjustable of 22" Full HD wide format displays
- Full touch "smart" user interface
- Easy to clean without keyboard & mouse

## Detectors Advantages

Efficient use of the detector active area (21x21)

- Detector area 22% > than 9" I.I.
- 29cm Detector diagonal = 12" I.I. diameter

Detector active area (30x30)

- Detector are 37% > than 12" I.I.
- 42,5cm Detector diagonal = 16" I.I. diameter

