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MEDICAL
IMAGING

Arcovis 3000

C-Arm Mobile Unit



Arcovis 3000

Arcovis 3000 is a new surgical C-arm unit providing the perfect balance between *image quality*, *ease of positioning* and *ergonomics*, for use in the critical environment of the operating theatre.



Anatomic programs are available to optimize the exposure factors and the processing parameters according to the body part being examined and the patient size

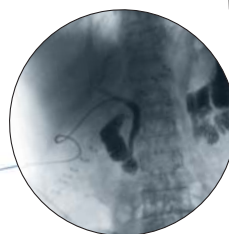
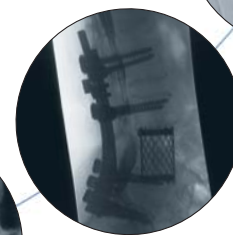
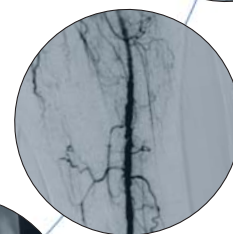
The *perfect weight distribution* of the C-arm and the motorised vertical travel make Arcovis 3000 the ideal solution for real time imaging in surgery, orthopaedics, angiography, interventional procedures, intensive care and casualty wards.

Arcovis 3000 can *easily be manoeuvred* in any direction by means of a steering handle that orientates the main wheels in a forward, lateral or diagonal direction.

Cable pushers on all wheels make sure that foreign objects on the floor do not interfere with the movement of the unit.

Smooth surfaces facilitate cleaning and disinfection of the unit, while the tubehead, Image intensifier and C-arm can be covered with easy to apply sterilizable drapes.

The Arcovis 3000 can be chosen with either *9" I.I.* (with stationary or rotating anode) or *12" I.I.* with rotating anode, thus creating a complete range of products for applications in urology, cardiology, orthopedics and general surgery.



The high frequency generator delivers the power you need for all the typical applications in general surgery, catheter placement, orthopaedics. *High current continuous fluoro* and large heat capacity allows for clear images, even for long or repeated procedures.

Three fluoroscopy operating modes are available to provide the best trade-off between image quality and patient dose: continuous fluoro, pulsed fluoro and single image snapshot. All modes can be instantly activated with a multi-function foot-pedal, without the need for keyboard pre-selection.

Dose containment is a must during long procedures. The *digital image rotation* allows to properly align the images, without unnecessary exposure. Low dose modality and specific Paediatric modes, further reduce the exposure factors when the need arises.

Patient dose can also be constantly controlled by the integrated DAP meter with on-board printer. A laser pointer can be used for pre-alignment of the irradiated area without exposure, minimizing the exposure for the patient and operating staff.



Wide range of movements, large aperture and adjustable keyboard provide *easy* and *flexible positioning* for the most demanding procedures.



Flexible positioning

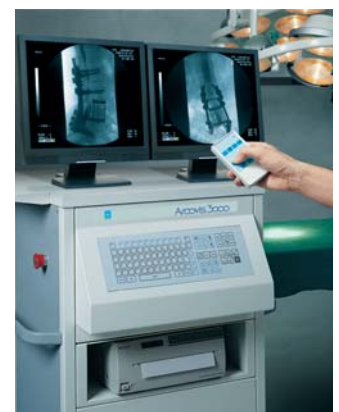
The *wide range of movements* improves the freedom of positioning in every situation. A specific button extends the vertical movement of the c-arm when a particularly low position has to be reached.

The *wide opening and depth* of the arc make for precise alignment with minimum interference with the operating area.

Ergonomics

The *control panel can be rotated* by $\pm 60^\circ$ for immediate operation even in the most difficult environment and is made of hard-wearing material to withstand repeated cleaning and disinfection cycles.

A *touch screen LCD display* clearly informs the user on the most important information and allows easy and fast interaction.



The infrared remote control, available for some models, allows for fast review of stored images

**Flicker-free LCD
monitors are standard
for all models**

Compact Version



Compact Version

The Compact version, available only with 9" II and stationary anode version, is equipped with an **on-board LCD monitor** and doesn't require an external display trolley, reducing the number of devices in the operating area.

Image storage

A choice of several image storage options can satisfy all applications. Starting from the basic single image, you can step up to intermediate solutions with **RAM capacity of up to 2700 images**, or aim at digital processing systems with **hard disk storage** of up to 50.000 images, Digital Subtraction Angiography and full post-processing capability. When image clarity and fine details are mandatory, the optional high resolution 1 Mpixel camera (1Kx1K) delivers sharp and detail-rich images.

All storage systems are based on **non-volatile technology** that preserves the images in memory after the unit is powered off and allows to review the images at any time. For this purpose, the monitor trolley can easily be disconnected from the C-arm.

Patient identification and procedure description can be added to all images using the onboard **alphanumeric keyboard**.

Images can also be exported to any PC in standard JPEG, BMP or Dicom format, using a **USB flash memory stick**.

For image hardcopy or permanent storage, Arcovis 3000 can be equipped with a choice of video DVD recorders or thermal printers.

Dicom connectivity can also be added to integrate the unit in your PACS network and supports Print, Store and Worklist classes.



Villa Sistemi Medicali long-standing experience at the service of our customers



Competence in x-ray systems

Villa Sistemi Medicali specialists can provide qualified information on new x-ray systems, room structure and installation and equipment positioning.

A wide range of equipment

Villa Sistemi Medicali is among the major European manufacturers of radiological systems and offers a wide range of products, such as:

- Digital radiographic and angiographic systems
- Remote controlled tables
- Classical tilting tables
- General rad floating tables
- Chest stands
- Mobile units
- Surgical C arms
- HF Generators
- Dental units: Intra-oral, panoramic and 3D

Our priority: Technical Service

A wide network of highly skilled service engineers ensures effective and reliable maintenance of all Villa Sistemi Medicali equipment installed worldwide. Preventive maintenance programs and Service Contracts are adapted to the needs of our customers

Logistic services: a widespread presence

Spare parts, accessories and consumables are shipped daily by Villa Sistemi Medicali to all its customers worldwide.