

arcovis 3000

C-arm Fluoroscopy Unit



radiology ahead

ergonomics and flexible positioning

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.

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 *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 makes for precise alignment with minimum interference with the operating area.

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.



easy & accurate

wide choice of operating modes

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, orthopaedics and general surgery.

The *high frequency generator* delivers the power you need for all the typical applications in general surgery, catheter placement, orthopaedics.

Is available today also a version with maximum power of 15 kW, to meet the most demanding applications in terms of power and exam time.

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.



reliability & versatility

An *infrared remote control*, available on some models, allows for the quick review of stored images.

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.



memory systems for every need

Arcovis 3000 can be configured with a *large variety of memory systems* to satisfy any diagnostic need.

The *Compact version*, available only with power of 2.5kW, the 9" I.I. and stationary anode, is equipped with an on-board LCD monitor allowing the storage of a single image, and doesn't require an external display trolley, reducing the number of devices in the operating area.



*high
image quality*

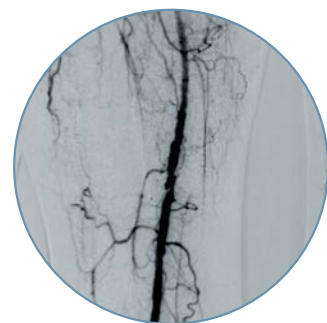
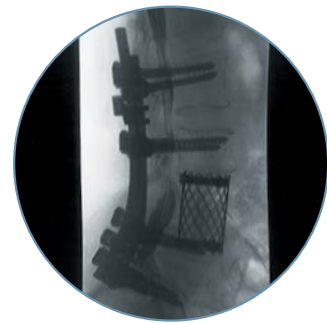
In order to enhance the C-arm application capabilities, in combination with the unit are available *3 digital processing systems* with different specifications and functions: from hard disk storage of images, to *advanced post-processing tools*, until *digital image subtraction angiography (DSA)*.

When image clarity and fine details are mandatory, the versions with high resolution 1 Megapixel camera (1024 x 1024 pixel) deliver 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.

Images can also be *exported to any PC* in different format such as JPEG, BMP or Dicom, 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.

Full Dicom connectivity can also be added to integrate the unit in your *PACS* network.





radiology ahead

Competence in x-ray systems

Villa Sistemi Medicali is one of the most important manufacturers of radiological systems worldwide. Leveraging more than 50 years of experience in X-ray field, the company's know-how covers all technologies that can satisfy any need in the X-ray field.

A wide range of equipment

Our range of products includes:

- Digital X-Ray systems
- Remote controlled tables
- Classical tilting tables
- General rad rooms
- Mobile units
- Surgical C arms
- Mammography

Our priority: Technical Service

A wide network of highly qualified and specialized technicians guarantees effective and reliable maintenance of Villa's medical radiology equipment installed anywhere in the world. Our specialist consulting programmes and technical service contracts are defined by our qualified personnel and adapted to the needs of our customers.

Logistic services: a global presence

Villa Sistemi Medicali daily provides full systems, spare parts, accessories and consumables, shipped regularly to all our customers, worldwide, using the most efficient couriers. Shipment modalities include ground, ship, air and inter-modal freight transport.

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