



PT. Gratia Jaya Mulya
 Jl. Raya Boulevard Timur Blok ZC 1 No. 10-11
 Kelapa Gading – Jakarta Utara 14250, Indonesia

P : +62 21 450 9174, 450 9326
 F : +62 21 458 54267
 office@gratijam.co.id
 service@gratijam.co.id

- > Chest and Bone Rooms
- > DR Solutions
- > Remote-Controlled Tables
- > Tilting Tables
- > Generators
- > Digital Imaging Systems
- > Mobiles / DR Mobiles
- > Mobile C-Arms

Mobile C-Arm

Apelem Evo (Digital Memory Rotating Anode, 5 kW / Angiography (DSA))



Headquarters: 393 rue Charles Lindbergh - 34130 Muguio - France
 Factory address: Parc Scientifique Georges Besse - 175 allée Von Neumann - 30035 Nîmes Cedex 1 France
 Tel. +33(0)4 67 50 49 00 - Fax. +33 (0)4 67 50 49 09 - export@apelem.com - www.apelem.com

 DMS is quoted on the Paris Stock Exchange Euronext Compartment C: Code ISIN FR 0000063224 - DGM

➔ Evo : When excellent imaging is indispensable

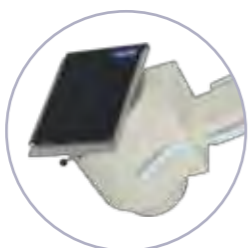
The EVO (fixed anode) and EVO (rotating anode) have been designed to meet the requirements of the most demanding users. **These mobile imaging systems exist in several versions** to cover the following applications: general surgery, orthopedics, pediatrics, abdominal and neuro surgery, urology in combination with lithotripter, traumatology, pain management and Digital Subtraction Angiography (DSA).

The EVO are equipped with **state-of-the-art components** including a high frequency pulsed generator associated with a stationary or rotating anode with a high resolution image intensifier: 9" (23 cm) or 12" (32 cm) triple field.

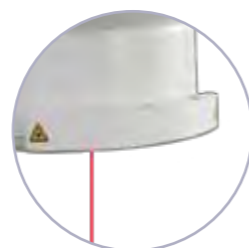
The generator enables all modes: **continuous fluoroscopy, pulsed fluoroscopy, digital radiography and radiography**. A cassette holder (optional) permits the user to take 24 x 30 cm images on cassette film, and a video printer can be provided to print the displayed images, as well as those stored in memory.

As an option, the laser target device enables fast patient positioning which helps reduce the x-ray dose. The Dose Area Product meter (DAP) with recording and printing facilities is also available. The smooth cables make cleaning the C-arm and the asepsis easier.

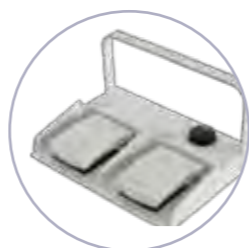
Various archiving solutions are possible, including the possibility of image transfer with DICOM 3 and CD-R/DVD archiving in DICOM DIR format.



Cassette holder



Laser targeting device for dose reduction



Multi function foot switch

When dose reduction is crucial

Zero dose digital rotation

Virtual collimation

Digital Image Memory

Integrated into the TV monitor, the digital image memory enables image storage, post processing and review. The storage capacity is 1 (Last Image Hold), or 330 images. The functions permitting real time noise reduction and edge enhancement are available in the standard configuration.

Available with all memory options:

- Keyboard patient data entry
- USB medical image capture
- Direct storage on DVD-R

Digital Imaging System: DIS 1000 / DSA 500

The DIS 1000 / DSA 500 are digital imaging systems with the following archiving, processing and reviewing possibilities:

- 1024 x1024 pixels (DIS 1000) / 512 x 512 pixels (DSA 500)
- Zero dose digital rotation
- Virtual collimation
- Last Image Hold (LIH)
- Noise reduction with motion detection
- Edge enhancement, zoom
- Automatic and programmable windows/level real time control
- Cine mode (25 images/second)
- Multi-image display (4, 9, 64... images per page)
- RAM: 1100 images
- Hard disk storage: 120,000 images minimum with possible extension
- Distance, angle, stenosis, measurements
- Digital Subtraction Angiography (DSA)
- Alphanumeric keyboard with text annotation
- Patient file management
- Automatic/manual contrast enhancement
- Flicker-free image display (up to 21" flatscreen)
- DICOM 3 applications (Worklist, Print, Store...)
- CD/DVD archiving
- Vascular pack (real time DSA, road mapping, max opacification) Optional DIS 1000 / Standard DSA 500

