



# Products



IMPROVING PERFORMANCES



INTERMEDICAL S.r.l. is part of the I.M.D. group, which was founded in 2001 from the merger between two Companies present into the market for more than 20 years: it benefits from their experience and knowledge in the field of X-rays. INTERMEDICAL distributes its equipment through a net of sole partners all over the world. INTERMEDICAL units are designed, developed and manufactured in ITALY, searching for the most innovated technological solutions, thanks to a company learning organization system among the most sophisticate. For this reason it takes advantage of the following certifications: ISO 9001:2008 (CSQ) and ISO 13485:2003 (CSQ-MED). Moreover the respect of INTERMEDICAL product standards is guaranteed by the EC marking, certified by IMQ as notified body. INTERMEDICAL success and reliability are guaranteed by its long lasting production, sales and service background.

**Before introducing to you our product range we would like to point out our competitive advantages:**

- **We manufacture almost everything in our units.**
- **UNBEATABLE quality/price ratio.**
- **Reliability of a Group among the biggest in Radiology**
- **Service statistics show the strength and no need of interventions over the years of our products**
- **Widespread Dealers' network to give service and guarantee our presence everywhere. We are present in Amazon jungle, the Andes, Mexican and African desert, Mongolia, Patagonia, Polynesia, Siberia, Caribbean, always granting service to our units.**
- **Few companies are able to offer our trends: end-users are always satisfied with our products.**
- **We guarantee service, at low prices, and continuity of production of the spare parts**

## Basic



*The equipment BASIC distinguishes itself, from the other mobile units present into the international market, by its mechanical simplicity, its lightness, its handling, its practicalness.*

Power with led console	3,3 kW		6 kW	30 kW	
Power with touch screen console	3,3 kW	4 kW	6 kW		32 kW
Maximum a/c absorption	16 A	16 A	32 A	12 A	12 A
Main features	40 kHz/110 kV	40 kHz/110 kV	40 kHz/120 kV	100 kHz/ 125 kV	100 kHz/ 125 kV

Touch screen console main features:

1. 1200 programmable anatomical techniques
2. alphanumeric keyboard in the touch screen
3. radiographic technique at 2 or 3 points
4. patients' data base with radiographic parameters and dose
5. optional: D.A.P. system and thermal printer (just with t.screen)
6. 500 memorizable exams

## Compact



*Handling, versatility, design, practicalness, power safety system are the features of this unit. The arm holding the generator can be rotated of 180° (90°+90°).*

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## Compact DR Plus



*Mobile Unit equipped with digital images acquisition system in radiography mode with detector at solid status.*

COMPACT DR, suits a wide range of clinical applications, intended to perform diagnostic and radiological examinations of:

- Intensive care
- First Aid
- Orthopaedics
- Neonatology
- Sports Medicine
- Operating Theatre

The acquired images are saved in the system memory, displayed on a high resolution monitor and possibly sent to a diagnostic work station or to a general archive through Dicom connection.

The unit grants the automatic calibration of the acquisition parameters, process and image display according to both the selected anatomic part and the patient size.

# Radius “Single”

*A small and practical C-Arm with one rotating flatscreen monitor mounted on the equipment (no trolley).*

**RADIOLOGICAL DATA**

Generator, power in DC current (IEC 60601-2-7) 2,5 kW @ 100 kV  
 Generator, max power in DC current 3,5 kW @ 100 kV @ 230 Vac (mode HiRad)  
 2,5 kW @ 100 kV @ 115 Vac (mode HiRad)  
 H.F. inverter 40 kHz  
 Max high voltage (radiography and fluoroscopy) 110 kVp  
 Max current in continuous fluoroscopy 8 mA  
 Max current in fluoroscopy “Boost” 10 mA  
 Max current in radiography 25 mA @ 230V, 18mA @ 115V  
 Max mAs in radiography 125 mAs @ 230V, 90mAs @ 115V  
 Exposure Time in standard radiography 0.04 - 5 sec  
 Min exposure time in HiRadiography 0.028 sec.  
**MONOBLOC:** Anode Stationary; foci: 0.5 mm / 1.5 mm  
**IMAGE INTENSIFIER:** 9”



# Radius S/R + Dim

*A reliable, tough and enduring C-arm, with different configurations and memories.*

General Features	I.I.	Generator	Tube anode	Foci
S7	7”(7”-5”)	40 kHz-110 kV-3,5kW	STATIONARY	0,5-1,5 mm
R7	7”(7”-5”)	40 kHz-120kV-3,5kW	ROTATING	0,3-0,6 mm
S9	9”(9”-6”-4”)	40 kHz-110kV-3,5kW	STATIONARY	0,5-1,5 mm
R9	9”(9”-6”-4”)	40 kHz-120kV-3,5kW	ROTATING	0,3-0,6 mm
R12	12”(12”-9”-6”)	40 kHz-120kV-3,5kW	ROTATING	0,3-0,6 mm
option	R7/R9/R12	40 kHz-120kV-5kW	ROTATING	0,3-0,6 mm



MEMORIES	KIND OF MEMORY	MONITORS	NUMBER OF IMAGES	REAL TIME PROCESSING FEATURES	POST PROCESSING FEATURES	FUNCTIONS
DIM 01	RAM	1 LCD	1	"horizontal inversion; noise reduction (recursive filter); rotation"	"LH; horizontal inversion; printout (optional)"	No boosted fluoroscopy
DIM32	RAM	2 LCD	32	"horizontal /vertical inversion; noise reduction (recursive filter); rotation"	"LH; horizontal/vertical inversion; printout (optional)"	No boosted fluoroscopy
DIM110	RAM	2 LCD	110	"horizontal inversion; noise reduction (recursive filter); rotation"	"LH; horizontal/vertical inversion; printout (optional)"	
DIM330	"flash non volatile memory"	2 LCD	330	"horizontal inversion; noise reduction (recursive filter); digital rotation; black and white inversion"	"LH; horizontal/vertical inversion; printout (optional); black and white inversion"	"editing patient data; automatic date/time registration"
DIM2700	"flash non volatile memory"	2 LCD	2700	"horizontal inversion; noise reduction (recursive filter); digital rotation; black and white inversion"	"LH; horizontal/vertical inversion; printout (optional); black and white inversion"	"editing patient data; automatic date/time registration"

**USB option available for each memory: image format jpeg, tiff, png, dicom, image size 1024x768, 800x600, 640x480 pixels, anti blur.**

## Radius AFG

New software with modular configurations and new features, from the base one to the top one, even after-sale, just with a USB-key-hardware

- Interlaced scan CCD camera, matrix 1024x1024 pixels
- Memory capacity of about 350.000 images
- Power: 3,5 Kw or 5 Kw



Memory configurations	Options	Options	Options	Options
AFG base (12 frames/second)	Cine	Measure	Dicom Base	Dicom Full
AFG DSA (25 frames/second)	DSA full	Measure	Dicom Base	Dicom Full



## Radius DFG

The top unit of our C-arm range: all that you need at a glance and with an affordable price. Modular configurations, from the base one to the top one, even after-sale, just with a USB-key-hardware.

- Progressive scan CCD digital camera 1k x 1k
- Memory capacity of about 350.000 images
- Unit with 9" or 12" Image Intensifier and 40 kHz - kW X-ray generator, 120 kV, rotating anode
- Monoblock with X-Ray Generator: High Frequency 40 kHz
- Power: 5 kW



Memory configurations	Options	Options	Options	Options
DFG base (15 frames/second)	Cine	Measure	Dicom Base	Dicom Full
DFG VASCULAR (30 frames/second)	DSA full	Measure	Dicom Base	Dicom Full



**"ALL IN ONE"**

- **Large Power reserve of 20 kW**
- **Excellent 1kx1k image quality**
- **Outstanding versatility:**  
*flexible configurations suitable for all the examinations*

**HIGHLIGHTS**

- 3 different software configuration available: DFG, MN12, MN25 all with DSA/angio cardio measurements
- E-MOTION: all C-arm movements can be motorized
- Dynamic anticollision system on all C-arm movements.
- DUAL COOLING SYSTEM: for immediate and effective heat removal. Innovative and exclusive liquid cooling system with liquid-to-air heat exchanger. At the nominal X-ray power the temperature of the X-ray assembly remains steady for an indefinite period of time.
- DUAL POWER SYSTEM: power reserve system allows functioning from any standard wall outlet. Power is stored and released according to necessity.
- DAP meter
- Full Dicom 3, USB, CD/DVD Interfacing
- Remote Control

**Angio Table****"THE PERFECT PARTNER"**

*Mobile Table studied and designed to host the C-Arm keyboard and the E-motion joystick (plus the table control panel)*



*Control Panel  
(fixable on the table)*

# Radius XP100 Cardio

"THE ANSWER"

**The new solution for the market demand: Higher features at a lower price!**

## OUTSTANDING PERFORMANCES

Excellent manouvrrability with a slim-line design

- Up to 1000 mA, 100 kW power
- Liquid cooled X-ray tube (4" graphite rotating anode)
- Available with 9" or 13" Image Intensifier
- A unique combination of tremendous performances and unbeatable prices



## VETERINARY

# Atlas

**A complete X-ray unit for both applications: Human or Veterinary (depending on the softwares).**



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