

PASSION FOR DENTISTRY | Since 1935

RX DC
THE PERFECT DIMENSION
OF IMAGING

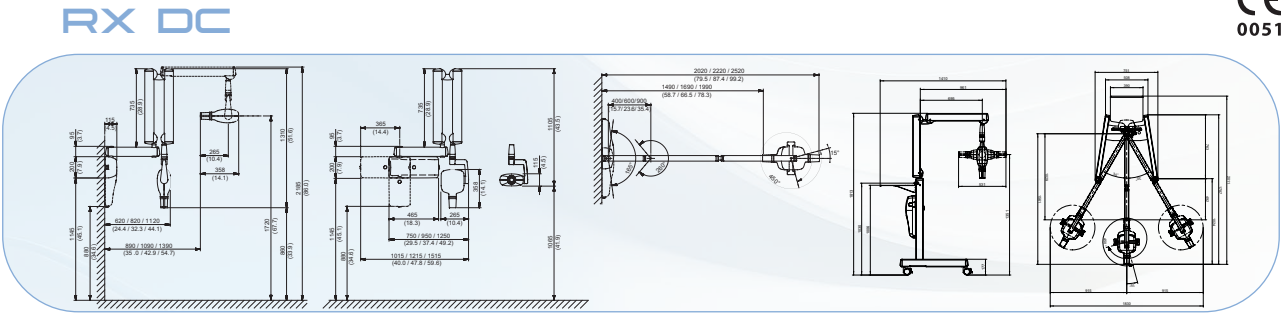
RX DC

CASTELLINI
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Since 1935

RX DC X-RAY UNIT	
Generator	Constant potential, microprocessor-controlled
Working frequency	145 - 230 KHz with self-adjustment (typically 175 KHz)
Focal spot	0.4 mm (IEC 336)
Total filtration	2 mm @ 60 kV / 2 mm @ 65 kV / 2 mm @ 70 kV (*)
Anode current	4 / 8 mA
Voltage at X-ray tube	60 / 65 / 70 kV (*)
Exposure times	0.020 – 1.000 seconds, R'10 and R'20 scale
Source-skin distance	20 and 30 cm
Irradiated field	Ø 60 mm and Ø 55 mm (with round cone)
Additional collimators	35 x 45 mm (with rectangular cone for size 2 sensors) - 31 x 41 mm and 22 x 35 mm, for size 1 and size 0 sensors
Power supply	50/60 Hz, 115-120 V AC ±10% or 230-240 V AC ±10%
Duty Cycle	Continuous operation with self-adjustment up to 1s/90s total
Arms (for Standard version only)	Available in 3 lengths: 40 cm – 60 cm – 90 cm
Max arm extension	230 cm, from wall
Versions	Standard (wall mounted) or Mobile (on portable cart)
Dose delivered	Viewing on a handheld device with digital archive option on PC via iRYS software which can be automated via the "PC connect" (optional) accessory
PC connection cable	Serial with USB adapter available in various lengths
RX DC SOFTWARE	
Acquisition software (for PC)	iCapture with dedicated filters for third party software
Image management software (for PC)	iRYS (compliant with ISDP©10003:2020 in accordance with EN ISO/IEC17065:2012 - certificate number 2019003109-2) and iPad iRYS viewer App (free)
Protocols supported in iRYS	DICOM 3.0, TWAIN, VDDS
DICOM Node Connec-tivity	IHE compliant (Print; Storage Commitment, SR document; WorkList; MPPS; Query/Retrieve)
X-ray log	iRYS feature to associate exposure parameters with the X-ray images of each examination (exportable in PDF or CSV format)
RX DC MINIMUM SYSTEM REQUIREMENTS	
Supported operating systems	Microsoft® Windows® 10, 11 Professional 64 bit
Processor	Intel Core i3 or higher
RAM	4 GB (8 GB recommended)
Display settings	1280 x 1024; 1344 x 768 or higher, 16 million colours
Port	USB 2.0 or later versions
Power supply	Use a power supply with suitable power for the video board in use

(*) values depend on the country where the product is marketed



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CRXDCB251S00 07/2025
Due to our policy of constant technological upgrading, the technical specifications may be subject to change without prior notice.
According to the standards in force, in non-EU areas the availability and specifications of some products and/or features may vary. Please contact your local distributor for further information.

CASTELLINI

MAKING
SPACE
FOR
EXCELLENCE

INSTANT DIAGNOSIS, EXCELLENT RESULTS

RX DC is a versatile, user-friendly X-ray unit, capable of producing high quality imaging thanks to cutting-edge technology. It also maximises working comfort while ensuring low X-ray doses for the patient and maintaining ultra-high performance levels. RX DC uses a constant potential high frequency (DC) generator and a very small focal spot (0.4 mm) that provides sharp, detailed images.



RX DC HIGH FREQUENCY X-RAY UNIT, HIGH DEFINITION, MINIMUM DOSE

RX DC increases X-ray parallelism: thanks to the built-in collimator the unit can achieve a source-to-skin gap of 30 cm. Sharp edges, clear images and precise detail, all while keeping patient doses low. With its ergonomic design, RX DC offers user friendliness and

reliability thanks to solid arms with an integrated self-balancing system. Positioning the arms and head is easy and stable; thanks to the protractor with graduated scale, the X-ray unit can also be positioned easily.

MAXIMISED VERSATILITY AND MOBILITY

RX DC is even more practical and versatile. It can be wall-mounted in 6 variable positions, with 3 extensions available in the following lengths: 40, 60

and 90 cm - or, thanks to the available cart, it can easily be moved around for use in different parts of the surgery. One X-ray unit for all your needs.

Automatic exposure parameter identification and accurate power selection make RX DC the perfect X-ray unit whatever the situation, personalised according to the patient's build and the specific area of investigation. RX DC is the perfect X-ray unit, capable of combining high quality imaging and a versatile, ergonomic design with low patient doses.



EASY CONTROL

A simple and intuitive handheld device can be used to choose the most suitable program for perfect X-ray acquisition. Moreover, thanks to the fast Dynamic Duty-Cycle, it is possible to keep tube temperature under control and check - in real time - the exact administered dose.

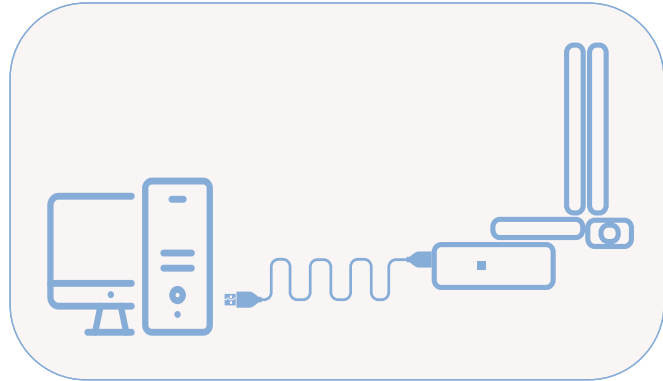


BLURRING DETECTOR
FOCAL SPOT 0.8 mm

DETECTOR

DEFINITION DETECTOR
FOCAL SPOT 0.4 mm

DETECTOR



PC CONNECT

New (optional) accessory to easily connect the RX DC unit to a PC via a USB port. This allows the dose data relating to X-ray exposure to be recorded in digital format and associated in IRYS with the image of the patient's examination in their medical record, in order to correctly populate the X-ray log. In this way, it is possible to monitor the dose value over time, as well as view and export it into a file that can be shared with other applications.



COLLIMATOR CONES

With the built-in collimator cone, a source-to-skin distance of 30 cm is achieved. The optional rectangular cone further reduces the body surface area exposed to X-rays.