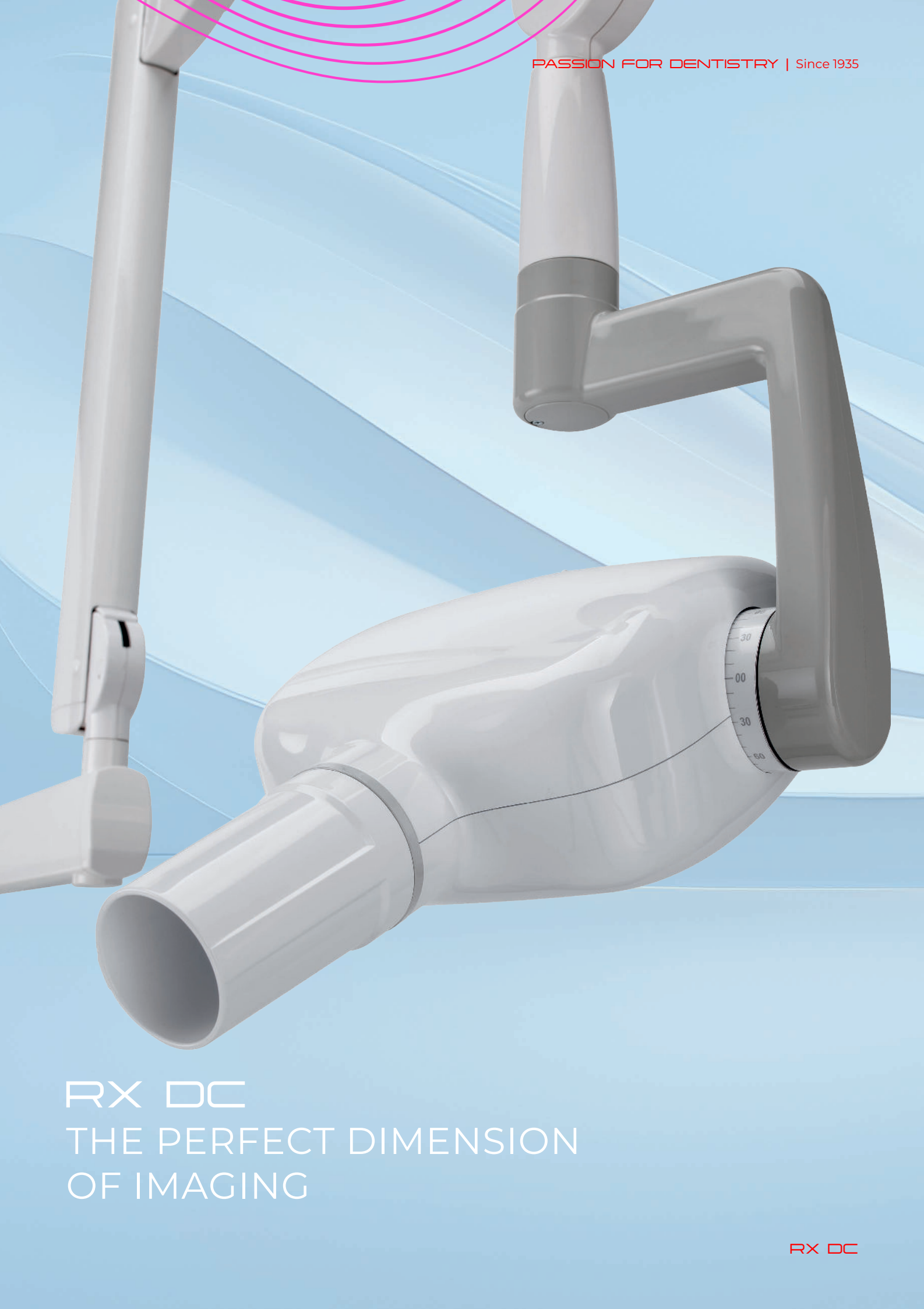




PASSION FOR DENTISTRY | Since 1935

RX DC  
THE PERFECT DIMENSION  
OF IMAGING

RX DC

CASTELLINI  
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Since 1935

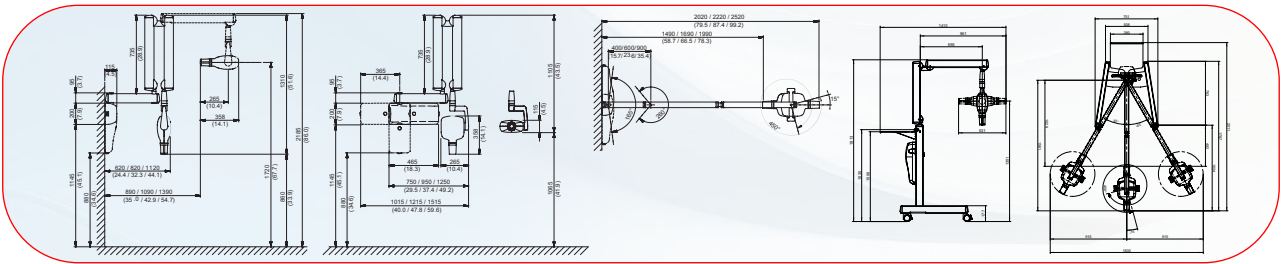
| RX DC X-RAY UNIT                   |                                                                                                                                                   |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 2019003109-3) 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)                         |

REQUIREMENTS FOR ACQUISITION STATIONS / SECONDARY 2D PROCESSING STATIONS

|                                                                                                                                 |                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| For more information on the hardware configuration, please refer to the "Minimum and recommended system requirements" document. |                                                                                                           |
| Operating System                                                                                                                | Windows 10 Pro 64 bit build v22H2 / Windows 11 Pro 64 bit build v24H2 (recommended)                       |
| Processor                                                                                                                       | Intel i3-12100 (3.3Ghz) 12 <sup>th</sup> gen - Intel i3-14100 (3.5Ghz) 14 <sup>th</sup> gen (recommended) |
| Hard Disk                                                                                                                       | 256 GB SSD (or higher) - 512 GB SSD (recommended)                                                         |
| System Memory                                                                                                                   | 16 GB (or higher) - 32 GB (recommended)                                                                   |
| Video Card                                                                                                                      | Integrated                                                                                                |
| Monitor                                                                                                                         | Wide Monitor - 1344 x 768 pixels (or higher)                                                              |

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

RX DC



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The images and technical specifications shown in this catalog are for indicative purposes only.  
As part of ongoing technological updates, technical specifications may be subject to changes without prior notice.  
In accordance with current regulations, in non-EU areas some products, as well as certain technical specifications, availability and configurations,  
We encourage you to always contact your local distributor for up-to-date technical specifications.

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RX DC

MAKING  
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# 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.

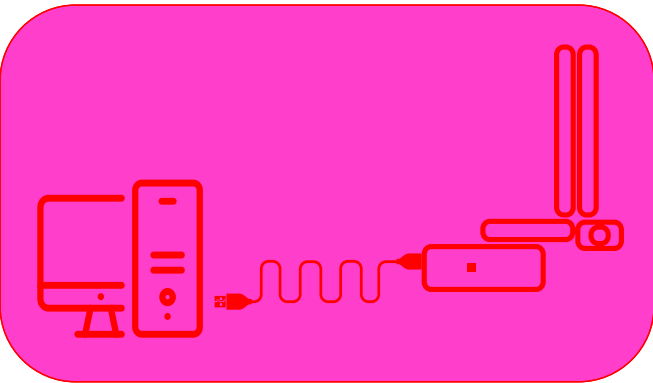


**SUB-OPTIMAL DEFINITION**  
FOCAL SPOT 0.8 mm

DETECTOR

**OPTIMAL DEFINITION**  
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.