

Technical Data

Electrical features

Power supply	230 V ± 10%
Frequency	50 Hz.
Current	4 A

Tubehead features

Total filtration	≥ 2,5 mm Al eq.
Min. focus skin distance	200 mm
Irradiated area @ 200 mm	Ø 55 mm
Leakage @ 1 m	< 0,25 mGy/h

X-ray tube features

Tube	OCX 70 G16
Focal spot	0,4 mm
Anodic material	Tungsten

Radiological features

High voltage	70 kVp
Anodic current	3,5 mA
Exposure time	0,04 - 2,00 s
Duty cycle	1:60
Control logic	Deadman

Mechanical features

Extension arm	500 - 900 mm
Max. extension	1980 mm



ORIX 70

New Edition DG

Intraoral X-ray system



Smaller is better



ARDET Dental & Medical Devices S.r.l. is an Italian company leader in the design, production and supply of high-tech dental and medical devices. Our quality management system in compliance with EN ISO 13485 standard, guarantees a careful control of the internal processes and the absolute reliability of our products, focusing our attention on the practical work of the doctor.



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ORIX 70 New Edition DG

Reliable

State of the art technology for a complete control over the system.

Efficient

Compact and easy to use, for a safe and fast diagnosis.

Ergonomic

Designed to offer user-friendly operating functions.

Smaller is better

ORIX 70 New Edition DG is an intraoral X-ray system studied in every detail, able to perfectly combine performance, reliability, efficiency, ease of use, ergonomics and design.

In addition to creating images with excellent resolution and high contrast, the **ORIX 70 New Edition DG** system is strong, reliable and designed to serve the needs of the dental practice for many years, as already demonstrated by previous Ardet models.

The x-ray tube characterized by a small focal spot and with grid control, favours the stabilization of the emission even in the most unfavourable conditions of use, obtaining a high definition of the diagnostic image.

In digital selection, the control unit is set up to work in conjunction with the modern digital imaging systems with a reduction of the exposure time of approximately 80%.

The mechanical structure of the system, in extruded aluminium, combines the lightness and sturdiness of the material with a modern and appealing design that fits well in furnishing of the modern dental practice.

Excellent manoeuvrability and stability, extensive vertical and horizontal scope grant an easy positioning without vibrations in all situations.

ORIX 70 New Edition DG is available in three different versions: wall mount, mobile stand or floor fixed stand.

The high voltage of 70 kV, the grid controlled x-ray tube with small focal spot, with the control unit with centesimal selection of the exposure time, allow to work both with the radiographic films and with or the modern digital imaging systems.

The operator interface panel that includes all the controls and the led indicators of the activated settings is intuitive as a result of an extraordinary graphic design work.

There are two available operating modes:

- Manual configuration with unlimited exposure time.
- Anatomical configuration, with memorized settings depending on the size of the patient, type of receptor, tooth etc.

The automatic selection of exposure times set by the microprocessor according to the tooth, the size of the patient and the sensitivity of the x-ray film, can be further modified by means of the manual buttons to better adapt the yield of density of the film depending to the particular needs of the operator.

