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# ORIX 70

Intraoral X-ray system



Your reliable partner



# ORIX 70 Classic

## Accurate

Maximum accuracy during exposures, perfect image quality.

## Reliable

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

## Ergonomic

Designed to offer user friendly operating functions.



The **ORIX 70**, in all its details both technical and aesthetic, is studied according to the **International Rules IEC** and the **Directive CE**.


It is an x-ray system of conventional type, for oral and extra oral applications, able to satisfy any demands in dental field. The high tension of 70 kV, the X-ray tube "GRID" type with small focal spot, together with the ARDET X-ray controls with centesimal exposure time regulation, allow to work either with the X-ray film or the modern digital systems.

Besides creating images with an excellent resolution and an elevated contrast the **ORIX 70**, is strong and reliable and destined to serve, for many years the demands of the dental cabinet, as already tested by previous **ARDET's models**.

The possibility to operate with an orientation of 360° on the horizontal plan and 270° on the vertical, allows to easily get radiographies both with the patient sat and laid down.

The limiting device of the X-ray beam, incorporated in the structure and with a focal length of mm. 200, reduces the usual commitment to making easier the positioning of the patient. It is also suitable for X-ray beam ejected with the technique of the parallel assuring an effective coincidence





The **X-RAY TUBE**, characterized by a focal spot of small dimensions ( 0.8 mm. IEC 336 ) and with a "GRID" control, aids the stabilization of the emission even under the more unfavorable conditions of use, getting an high image definition.

The mechanical structure of the New pantograph arm "**E-ARM**", in extruded of aluminum, unites a modern and alluring shape to the lightness and strength of the material that well introduce itself in furnishing of the modern dental cabinet.

It's oval figure, the absence of edges and wrinkledness and the scratch-proof painting, make easier the operations of cleaning, guaranteeing a high level of hygiene.

The assembly system to wall is composed of:

- Wall plate
- Pantograph arm
- Extender arm of: mm. 500 | 900 - for a max. useful extension of mm. 1650 or 1980.

All the types of application assure the maximum handling and stability of positioning with absence of vibrations. On request, special wall back plates can be furnished for particular installations.

*Your reliable partner*

The X-Ray control **SELEMATIC**, with microprocessor circuit, guarantees the maximum reliance and top service.

With its small dimensions and modern shape, it can easily be wall installed both inside and outside the surgery and it is predisposed to control a maximum of **3 dental x-ray units**.

The sophisticated software of management offers a wide range of controls and safeties to give a maximum reliability of the device.

Error messages, blocks and verifications of the controls, given by the operator, make every handling extremely sure.

The automatic selection of exposure times, set by the microprocessor according to the tooth, the size of the patient and the sensitiveness of the x-ray film, can subsequently be modified through the manual buttons to better adjust the density of the film according to the particular demands of the operator.

**In digital selection**, the x-ray control is set to operate in combination with the modern digital systems with a reduction of the exposure time of approximately 80%.

- Static switch ZVS type for x-ray tubehead control with absence of RFI troubles.
- Visual and acoustic signaling of x-rays.
- X-RAY ON push button control with "DEAD MAN".





# Technical Data

## Electrical features

Power supply 230 V  $\pm$  10%

Frequency 50 Hz.

Current 6 A

## Tubehead features

Total filtration  $\geq$  2,5 mm Al eq.

Min. focus skin distance 200 mm

Irradiated area @ 200  $\varnothing$  55 mm

Leakage @ 1 m < 0,25 mGy/h

## X-ray tube features

Tube CEI OCX 65 G

Focal spot 0,8 mm

Anode material Tungsten

## Radiological features

High tension 70 kVp

Anodic current 8 mA

Exposure time 0,03 - 1,32 s

Duty cycle 1:30

Control logic Deadman

## Mechanical features

Extention arm 500 - 900 mm

Max. extention 2110 mm

CE<sub>0051</sub>



**ARDET Dental & Medical Devices S.r.l.** is an Italian leader company in engineering, producing and furnishing high technology dental and medical devices. Our quality management system in accordance with ISO 9001 and EN ISO 13485 standards guarantee a careful control of the internal processes and the absolute reliability of our products by focusing our attention on the physician practical work.

