# 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 65 G |
| Focal spot | 0,8 mm |
| Anodic material | Tungsten |

## Radiological features

| | |
|---|---|
| High voltage | 70 kVp |
| Anodic current | 8 mA |
| Exposure time | 0,03 - 1,32 s |
| Duty cycle | 1:60 |
| Control logic | Deadman |

## Mechanical features

| | |
|---|---|
| Extension arm | 500 - 900 mm |
| Max. extension | 1980 mm |

Made in Italy

CE 0051

**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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CSQ ISO 13485




PRO ORIX 70 rev.3 - 26/02/2019


Pursuit of Excellence

# ORIX 70

## Intraoral X-ray system

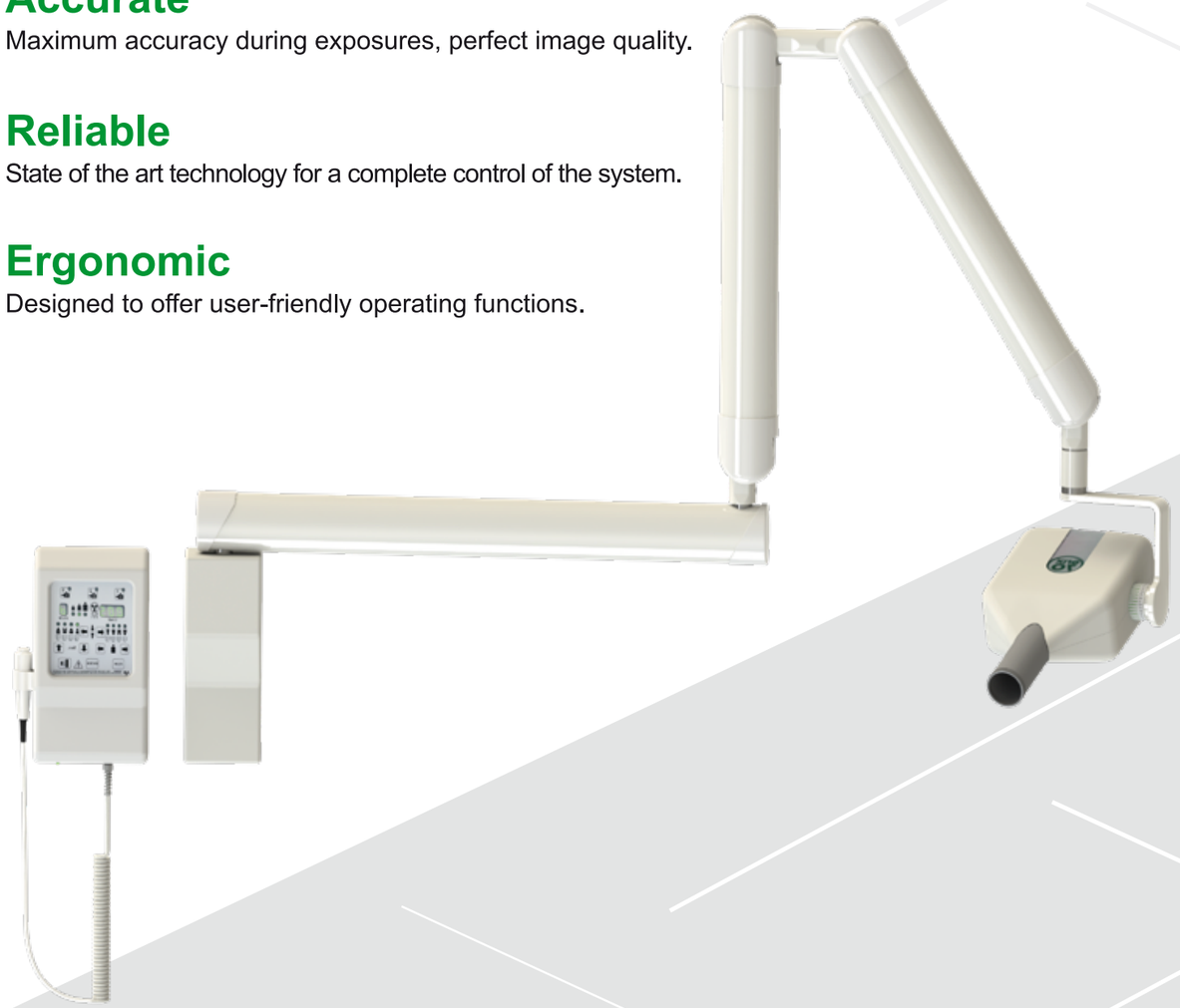
*Your reliable partner*

# ORIX 70

## 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 X-ray tube, characterized by a small focal spot (0.8 mm IEC 366) 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.

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.

Its oval shape, the absence of rough edges and roughness, the anti-scratch paint, facilitate cleaning operations ensuring a high degree of hygiene.

The wall mounting system consists of:
- Wall support
- Scissor arm
- Extension arm of 500 mm or 900 mm for a maximum useful extension of 1650 mm or 1980 mm

All types of application ensure maximum manoeuvrability and stability of positioning with absence of vibrations. Special wall counters for particular installations can be supplied on request.

*Your reliable partner*

**ORIX 70**, has been studied in all its details both technical and aesthetic according to the **IEC International Rules** and the **Medical Device Directive.**
It is a conventional x-ray system for intraoral applications, designed to meet all the need in the dental field.
The high voltage of 70 kV, the grid controlled x-ray tube with small focal spot, together with the control unit with centesimal selection of the exposure time, allow to work with both the radiographic films and the modern digital imaging systems.

In addition to creating images with excellent resolution and high contrast, the **ORIX 70**, 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 possibility of operating with an orientation of 360° on the horizontal plan and 270° on the vertical plane, makes it possible to easily obtain X-ray images both when the patient is seated or lying down.
The radiating beam delimitation system, completely shielded, reduces the usual overall dimensions favouring the positioning operation on the patient. The 200 mm focal distance is suitable for radiographic shots with the parallel technique ensuring effective collimation.

The control unit with microprocessor circuit guarantees maximum reliability and top performance.
With compact size and a modern design, it can be easily installed on the wall both inside and outside the dental practice and it is arranged for driving a maximum of **3 intraoral systems.**

The sophisticated management software offers a wide range of controls and security measures in order to maximize the reliability of the device.
Error messages, blocks and controls of the commands given by the operator, make each manoeuvre extremely safe.

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.

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%.