

# Technical Data

## Electrical features

Power supply	110-240 V $\pm$ 10%
Frequency	50-60 Hz.
Current	2,1 A (@ 240 V) 5,2 A (@ 110 V)

## Tubehead features

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

## X-ray tube features

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

## Radiological features

High voltage	60-65-70 kVp
Anodic current	5 mA
Exposure time	0,01 - 2,00 s
Duty cycle	1:60
Control logic	Dead man

## Mechanical features

Extension arm	500 - 900 mm
Max. extension	1980 mm



# ORIX HF Plus

High frequency intraoral X-ray system



Best image quality ever



**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.



## ARDET Dental & Medical Devices Srl

Via Galvani, 15 - 20090 Assago (MI) Italy  
Tel +39 02 944 35 294 - Fax +39 02 944 35 296  
ardet@ardetsrl.com - www.ardetsrl.com



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PRO ORIX HF Plus rev. 3 - 26/02/2019

# ORIX HF Plus

## High frequency

Lower dose for the patient, higher definition for the doctor.

## Design

A new design intended to speed up the workflow of the dental practice.

## Ergonomic

Extremely easy, intuitive and safe.

*Best image quality ever*

Accurate, reliable and ergonomic **ORIX HF Plus** is the new high frequency X-ray system from Ardet, designed to provide user-friendly operational function, best performance and a longer lifetime.

Innovative design solutions and advanced technologies combine to provide dentistry professionals with an extremely accurate and reliable device.

Developed by the manufacturers of Orix 70, reference unit in terms of quality and reliability in conventional technology, **ORIX HF Plus** exploits the high frequency constant potential (DC) technology to ensure short exposures, a significant dose reduction for patients and detailed, repeatable, high quality radiographic images.

**ORIX HF Plus** is managed by the new Ardet control unit, which thanks to its simple and intuitive controls and its large screen, clearly displays all technical parameters providing valuable help in every situation with the highest standards for the health of patients.

With **ORIX HF Plus** X-ray system can be used either the short cone (20 cm) imaging technique or the long cone (30 cm) imaging technique.

Furthermore, it is possible to adjust the cone with an additional rectangular collimator to maximize radiation safety.

The mechanical parts of the system, in extruded aluminium are light and solid in order to make the unit extremely stable and safe, ensuring a precise linear movement that can reduce the risk of vibration of the head during image acquisition.

Thanks to a small focal spot, **ORIX HF Plus** produces superior quality images whether you are using film, phosphor plates or digital sensors.

Details are sharper and more defined so that it is easier to detect even the smallest differences for a more rapid identification of the pathologies.

The low weight of the head and its flexibility make of **ORIX HF Plus** a highly versatile X-ray machine.

The radiation beam delimitating system provides a 20 cm focus-skin distance, although incorporated into the structure of the tubehead enhancing the compactness of the system.

**ORIX HF Plus** is available in three different versions: mobile stand, floor fixed stand and wall mount with horizontal arms of 500 or 900 mm to cover variable distances of 1650 or 1980 mm.

