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ORIX HF Plus

High frequency intraoral X-ray system



Best image quality ever

ORIX HF Plus

High Frequency

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

Design

A new design concept to speed up the dental cabinet workflow.

Ergonomic

Extremely easy, intuitive and safe.


Best image quality ever

Accurate, reliable and ergonomic **Orix HF Plus** is the new Ardet's high frequency X-ray generator designed to provide user friendly operational function, the best performance and the longest lifetime.

Innovative design solutions and advanced technologies combine to provide dentistry professionals a highly accurate and reliable instrument.

Developed by Orix 70 manufacturers, standard unit in terms of quality and reliability in conventional technology, **Orix HF Plus** exploits the high frequency constant potential technology to grant short exposures, a significant dose reduction for the patient and sharp, repeatable, high quality radiographic images.



The image shows an Orix HF Plus X-ray machine. It features a central vertical column on a mobile base with four casters. Two long, articulated arms extend from the top of the column, each with a green joint. The arms are made of extruded aluminum. At the end of the right arm is a large, white, teardrop-shaped tubehead. A control panel with a small screen and buttons is mounted on the column. A coiled cable hangs from the control panel. The background is a light blue and white geometric pattern.

Thanks to a small 0,4 mm 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 spot even the smallest differences for a quicker identification of pathologies.

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

The boundary radiation system of the beam provides a focal distance of 20 cm. but it is embedded in the structure of the tubehead, enhancing the compactness of the unit.

Orix HF Plus is available as stand fixed, stand mobile and wall mount with horizontal arms of 50 and 90 cm to cover a variable distance from 1,65 m to 1,98 m.

Orix HF Plus units are managed by the new Ardet's timer, that with its simple and intuitive controls and its large screen, displays clearly all technical information providing a precious help in every situation with the highest patient's health safety standard.

With **Orix HF Plus** X-ray unit it is possible to use either the short cone (20 cm) imaging technique or the long cone (30 cm) imaging technique.

In addition, you can adjust the cone with a further rectangular collimator to maximize radiation safety.

The unit arms in extruded aluminum are light and solid, and make the unit extremely stable and secure, assuring a precise linear movement that can reduce the risk of vibration of the head during image acquisition.

Technical Data

Electrical features

Power supply 120 - 230 V \pm 10%

Frequency 50/60 Hz.

Current 2,5 A .

Tubehead features

Total filtration > 2 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 OX 70 - 4

Focal spot 0,4 mm

Anode material Tungsten

Radiological features

High tension 60 - 65 - 70 kVp

Anodic current 5 mA

Exposure time 0,01 - 2,00 s

Duty cycle 1:60

Control logic Deadman

Mechanical features

Extention arm 500 - 900 mm

Max. extention 1980 mm



Made in Italy

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.

