

**GENDEX®**

# Orthoralix® 9200



**Maximum Diagnostic Imaging  
Direct Digital Performance**

# ORTHORALIX 9200 **DDE**

*Gendex strategy is to look for Customer Satisfaction through technical innovation and advanced services. Our R&D is further driven by End User's requirements, specifically considering the professional use of the target equipment.*

*This strategy allowed Gendex to gather a long standing tradition developing Panoramic and Cephalometric multi-projection systems having the highest quality of diagnostic results with unrivalled reliability.*



Gendex **Orthoralix 9200 DDE** features simple operations and patient positioning and allows quick diagnosis and easy equipment set up. Gendex VixWin 2000 Software has been further developed to both improve Human Interface and include further diagnostic capabilities.

Gendex **Orthoralix 9200 DDE** has been designed to satisfy any dental professional, as it can be scaled from basic to high-end performances and it can be configured to fit specific applications.

**Orthoralix 9200 DDE** also allows Remote Diagnosis Service. This feature makes remote direct investigation of the unit possible – by either Gendex or Authorised personnel – to minimise service time in case of either maintenance or repair.

The combination of software-driven multiple motors with the latest generation digital technology here give rise to the “**Direct Digital Evolution**” of the highly regarded Gendex Orthoralix system.

## Discover the future with Orthoralix 9200 DDE



Gendex Orthoralix® 9200DDE - Standard Panoramic



Gendex Orthoralix® 9200DDE Ceph - Latero-Lateral

# Driven by users' needs

## Ergonomic sensor module

The core of the Digital Innovation is the **ergonomic sensor module**, replacing the X-ray film cassette for image direct reconstruction. The new compact sensor can be easily handled, and the **electromechanical coupling** secures the precision and safety in coupling and the release. Both actions are made possible by **two frontal buttons** and confirmed by a tactile and audible feed-back.

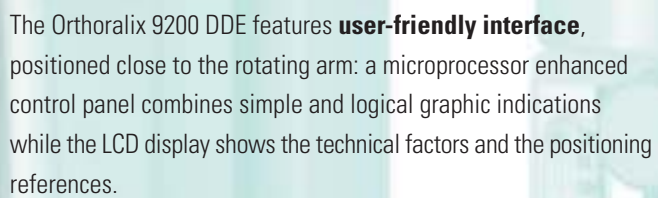


The advanced **safety system** prevents the sensor from accidentally falling down during release.

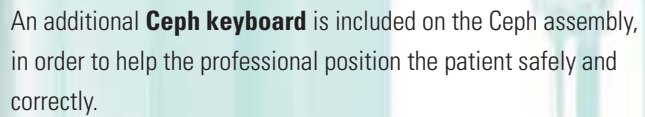


To facilitate operation in reduced spaces, the support of ceph sensor module can be rotated 90°

## User-friendly interface



The Orthoralix 9200 DDE features **user-friendly interface**, positioned close to the rotating arm: a microprocessor enhanced control panel combines simple and logical graphic indications while the LCD display shows the technical factors and the positioning references.



An additional **Ceph keyboard** is included on the Ceph assembly, in order to help the professional position the patient safely and correctly.



## AEC-Automatic Exposure Control

The **Automatic Exposure Control (AEC)** is standard on all equipment configurations, in order to provide the professional with the best image quality. Beyond patient size setting, AEC measures residual dosage during the scanning and allows real time correction of technical factors in order to ensure optimum balance between contrast and image blackening.

## LAN connectivity

**LAN connection** allows **Orthoralix 9200 DDE** to be plugged directly into existing network infrastructures. According to the professional's requirements added Orthoralix 9200 DDE systems can be connected in either LAN or stand-alone mode, so that Orthoralix DDE can be operated from different workstations.

## Remote Diagnosis Service

The remote monitoring feature has been introduced to allow direct investigation of the unit - by either Gendex or Authorised personnel - to minimise service time in case of either maintenance or repair. Furthermore, the function leaves open the possible equipment upgrade from factory. In particular, as Gendex's goal is to take good care of end users, and not only pure equipment sales, plans have been made to improve equipment servicing even further.



# Designed for every users

Gendex Orthoralix 9200 DDE addresses professionals looking for a digital system featuring a wide range of programs and projections. The system is easy to use, and it is available in 2 versions, both of which can be integrated with the **digital Ceph arm**.

## Orthoralix 9200 DDE

The **Standard version** includes the same basic panoramic radiology programs allowed by traditional Orthoralix 9200, augmented with the Frontal Dentition program – dedicated projection of the frontal elements, needed both for patients with malocclusion and for orthodontic treatment.

**AEC - Automatic Exposure Control included as standard**



### Projections:

- Standard Panoramic
- Child Panoramic
- Lateral TMJ open/close mouth
- Orthogonal Dentition
- Left Orthogonal Half-Pan
- Right Orthogonal Half-Pan
- Frontal Dentition

## Orthoralix 9200 DDE Plus

The **Plus version**, addressed to satisfy even the most demanding professionals, includes a complete range of diagnostic programs, to fulfil diagnostic necessities whenever complex applications are required. Among others, specialized projections for **Dento-Maxillo-Facial** radiology and cross-sectional Transcan projections, a fundamental tool for reliable and precise implant planning, are included.

**AEC - Automatic Exposure Control included as standard**



### Projections

- Standard Panoramic
- Child Panoramic
- Lateral TMJ open/close mouth
- Orthogonal Dentition
- Left Orthogonal Half-Pan
- Right Orthogonal Half-Pan
- Frontal Dentition
- Frontal sinus
- Left Lateral sinus
- Right Lateral sinus
- Left Half orthogonal
- Right Half orthogonal
- Frontal TMJ
- Cross sectional Transcan projections

## Digital Cephalometric arm

Both the Standard and the Plus versions can be equipped with the brand **new digital Cephalometric assembly**, expressly developed to offer hi-speed digital Ceph projections, available in different formats to excellently meet the user's needs. For the Latero-Lateral view a special precision **Soft Tissue Filter** is supplied, which easily adapts to any patient's facial profile. In order to facilitate the use of the system in narrow spaces, the Ceph housing of the sensor module can be **rotated by 90 degrees**.

**AEC - Automatic Exposure Control included as standard**



### Projections

- Latero-Lateral
- Antero-Posterior
- Postero-Anterior
- Submento-Vertex
- Carpo

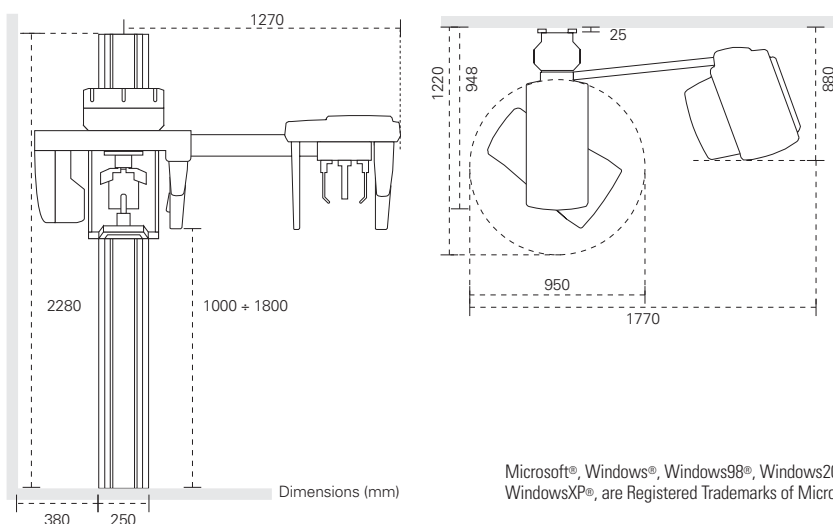
## Technical Specifications

■ Power supply voltage	115 - 250 Vac, $\pm$ 10%
■ Frequenza	50 / 60 Hz $\pm$ 2 Hz
■ Max. line power rating	10A at 250V, 15A at 115V
■ Anode voltage	60-84 kV
■ Anode current	3-15 mA
■ Duty factor	1:20 at full power operation
■ Focal spot	0.5 according with IEC 336 (1993)
■ Pixel size	96 $\mu$ m
■ Resolution	4 lp/mm
■ Active area PAN sensor	146x6 mm
■ Active area CEPH sensor	220x6 mm
■ Image size	1536x2725 pixel (PAN) 2304x2529 pixel (CEPH – MAX)

## PC requirements

■ CPU:	Pentium II, 400 MHz or superior
■ RAM:	256 MB minimum
■ Operating system:	Windows 98/2000/XP

## Installation requirements



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Panoramic X-ray

Intra-Oral X-ray

Digital Imaging

Cameras

Software