PanoramX

Mechanical characteristics

Column height	2255 mm
Max chinrest height	1716 mm
Min chinrest height	916 mm
PAN focus-sensor distance	520 mm
CEPH focus-sensor distance	1650 mm
Stand movement	motorised with progressive speed, with acceleration/deceleration ramps

Mechanical features for cephalometric version

Focus-sensor distance	mm 1650
Skin-sensor distance (medium value)	mm 80
Patient positioning device	- ear support - millimeter nose support - rotation with 45° stop
Device positioning	On the left or on the right side according to the room layout
Ground- sensor center height (min)	mm 910
Ground –sensor center height (max)	mm 1710
Up-down movement	By means of buttons on the device

Electrical characteristics

Power supply	120-240 Vac
Frequency	50-60 Hz
Current	8A

Generator and tube

Inverter frequency	130 kHz
kV range	50-85 with steps of 1 kV
mA range	2-12 with steps of 1 mA
Panoramic time sec	14 sec adjustable
Chephalometry time sec	0.05-2 with steps of 0.1 sec
Focus dimension	0.5x0.5 mm

Sensor and digitalisation

Technology	direct digital DR Vivi property
Panoramic	image matrix 1024x2048 16 bit
Cephalometric image matrix	HD 2560x2048 16 bit/LD 1280x1024 16 bit

Sensor features for cephalometric version

Acquisition modality	single shot (direct radiography)
Projections	- AP - LL - PA - LL 45° - AP / PA 45°
Active area dimension	mm 240x300

Functions

Selection parameters	via touch screen on device/via image processing PC
Patient sizes	4
Arch type selection	6
Automatic mode in pan	On request
Patient centering	by canine centering, motorized with offset display
Patient positioning	with mirror, motorised chinrest and temple stabilisers with upper attachments

Image storage and treatment

Hardware	Intel DualCore 2 GHz PC: (certified medical device on request)
Processing software	Vivi property
Storage	database with possibility of exporting images in legible format
Processing	brightness and contrast adjustment
	spatial filter application
	special filter application (contrast, logarithmic, etc.)
	harmonisation function (exclusive processing to optimise densities on images)
	electronic image limiting
	progressive zoom
	'fit-to-window' function
	range adjustment
	grey scale inversion
	rotation
	horizontal and vertical inversion
	linear and angular measuring
	measurement calibration
	multi-image
	automatic windowing
Dicom functions	store
	print
	worklist
	storage on CD and/or DVD
	MPPS
	storage commitment

CONTACT US

INTERMEDICAL S.r.l.
IMD Group

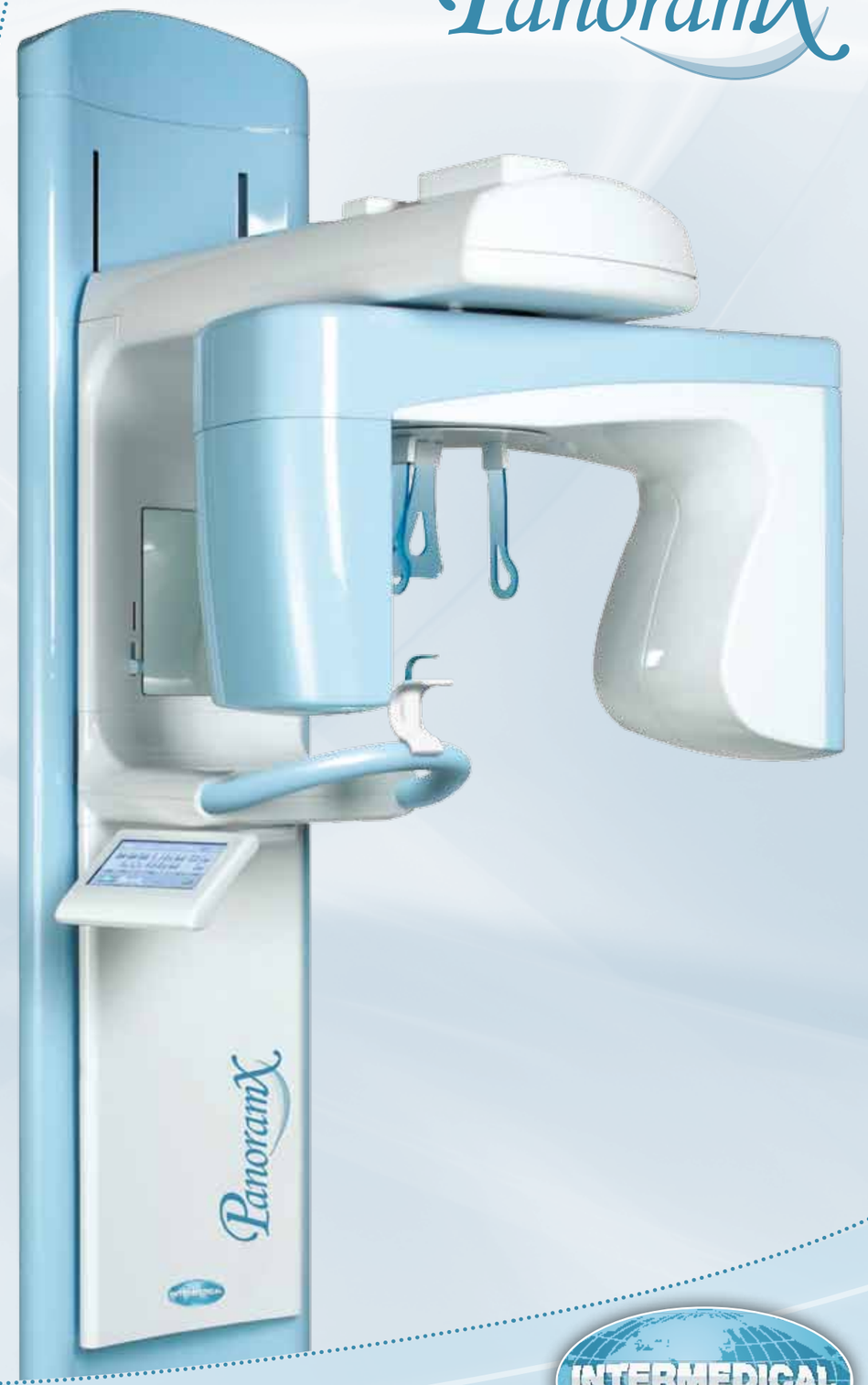
24050 Grassobbio (Bergamo) Italy
Via E. Fermi, 26
ph. 0039 035 6594811
fax 0039 035 6594899
e-mail info@inter-med.it
www.inter-med.it

doc. 9950 - 06/06/2013

CE 0123

INTERMEDICAL

IMPROVING PERFORMANCES

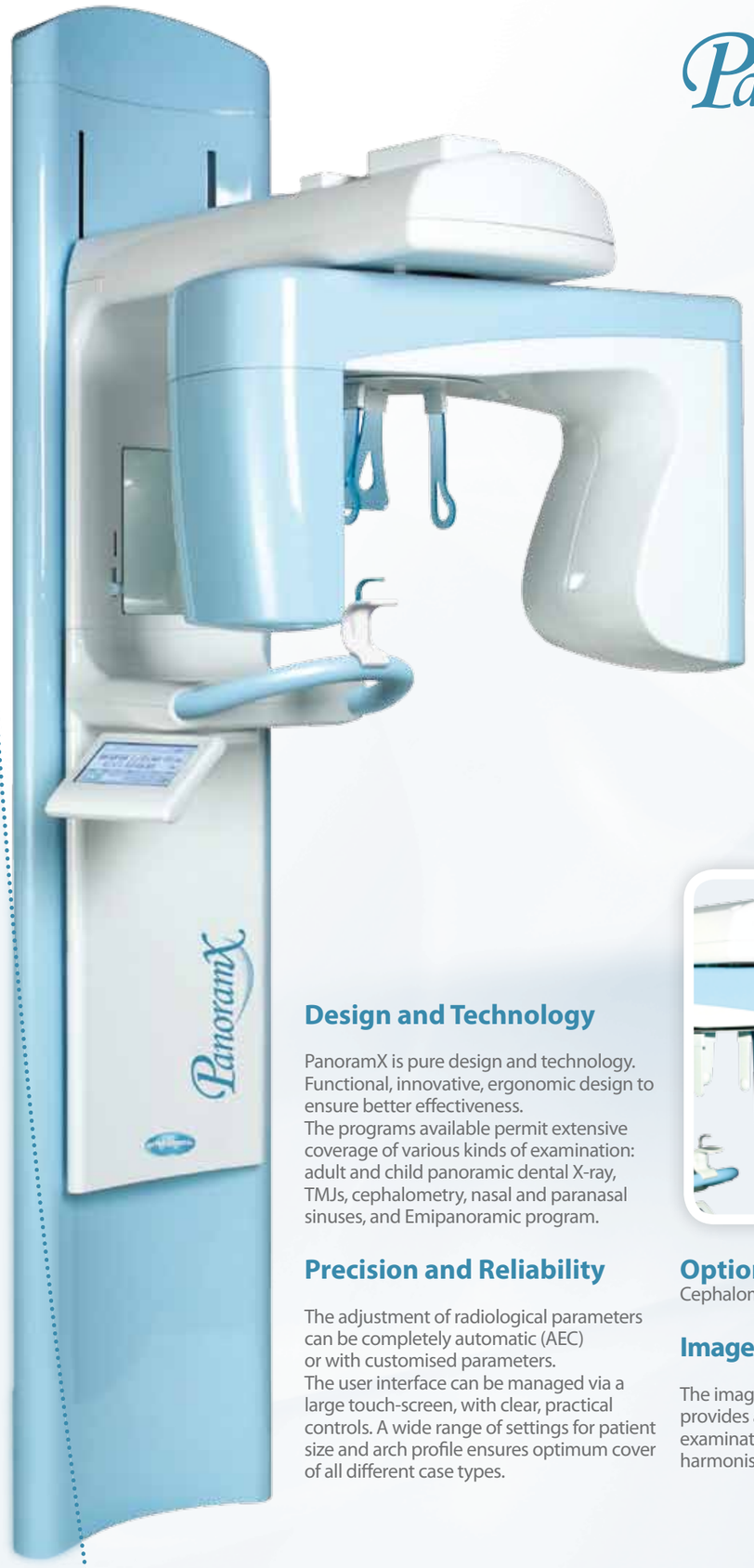


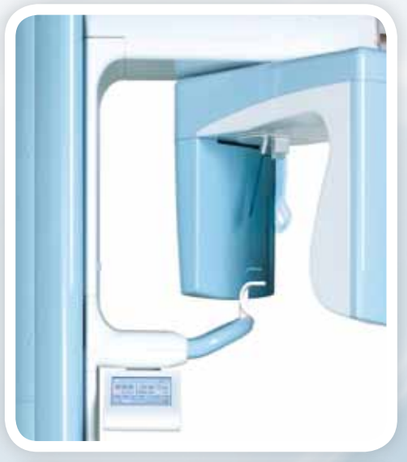
PanoramX

INTERMEDICAL

IMPROVING PERFORMANCES

PanoramX





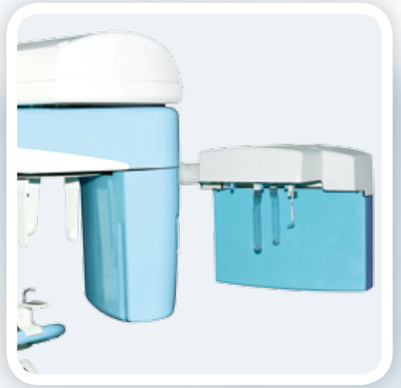
For quick, accurate, quality ortopantomography.

Design and Technology

PanoramX is pure design and technology. Functional, innovative, ergonomic design to ensure better effectiveness.
The programs available permit extensive coverage of various kinds of examination: adult and child panoramic dental X-ray, TMJs, cephalometry, nasal and paranasal sinuses, and Emipanoramic program.

Precision and Reliability

The adjustment of radiological parameters can be completely automatic (AEC) or with customised parameters.
The user interface can be managed via a large touch-screen, with clear, practical controls. A wide range of settings for patient size and arch profile ensures optimum cover of all different case types.



Options

Cephalometric version.

Image storage and processing

The image storage and processing system provides an optimised, automatic display of examination results, due to a unique harmonisation system.

Functionality and ergonomics

Optimum functionality and high level ergonomics: the result of great care taken over the design of every element.
The apparatus can be fitted to the floor by means of a minimum dimensions base plate, or fitted to the wall. In both cases stability and correctness of every movement during the various examination phases are guaranteed.
A high frequency inverter permits optimum control of radiological parameters to 2 and 3 points.
All examinations can be carried out manually or automatically. Accurate centring of the patient can be obtained with 3 reference laser beams: midsagittal plane, Frankfurt plane, and the canine plane (ellipse centring).
Movement of the calibrated, pliable stand is motorised with progressive speed that is controlled electronically, and can be selected by the operator.

Ease and simplicity

A large touch-screen with intuitive, universal functions, enables the correct setting of examination parameters. Modern, functional, user-friendly graphics guide the operator in preparing the examination. Parameters can be set by the apparatus or via a remote PC in a controlled area.
An automatic 'near focus' device permits the correct diaphragm opening of the radiogenic beam, with obvious benefits in obtaining best image quality and containing radiation doses.
Also available as an option is the device for cephalometric examinations, which is easy to install as a full upgrade. Image resolution is available in two modes: high and low definition.
Beam collimation is adjusted automatically as a function of projection.

High image quality

Tradition, experience and technological know-how, exclusive to the dental diagnostics sector, are a guarantee of excellent results.
Images are acquired with digital technology in cephalometric and panoramic dental examinations.
Subsequent image processing is managed by a medical PC with a Windows platform, with a dedicated, specially developed operating system.
Images are automatically stored on hard disk, with the possibility of exporting the image onto other devices or support media. The 'Full DICOM' package is available as an option, which offers the possibility to choose the necessary functions in a modular mode.