TECHNICAL SPECIFICATIONS.

)	X-RAY SOURCE		
Туре	High frequency generator (constant potential DC), rotating-anode X-ray tube 20 kW (Rated Power)			
Focal spot	0.3 mm - 0.6 mm (IEC 60336)			
Total Filtration	21 mm Al eq. @ 70kV (of which inherent Filtration 1 mm Al eq. @ 70kV)			
Anode Voltage	70 - 120 kV (selectable in 10 kV steps)			
Anode Current	Focal spot 0.3 mm → 5 - 54 mA (selectable in 1 mA steps) Focal spot 0.6 mm → 120 mA*(selectable in 1 mA steps) *The max kV available for use may vary according to mA			
Maximum continuous anode input power	120W (120kV; 5mA; 8ms; 17x17; REGULAR)			
		DETECTOR		
Technology	Amorphous silicon flat panel (CsI)			
Pixel Size	154 µm			
Dynamic range	16 bit (65,536 Livelli di grigio)			
	3D IN	MAGE ACQUISITION		
Anatomical regions subject to diagnostic investigation Small - Medium - Large size	Head & neck: dental-maxillofacial complex, teeth, upper and lower jaws, temporo-mandibular joint (TMJ), ear, nose and throat (ENT), cervical spine. Body: abdomen, chest, spine, full or partial front and rear limbs.			
Scan technology	Cone Beam TC- Partial or complete rotation (360°)			
Exposure control	 Manual mode: parameter selection (± 10 kV, ± 1, mA) Automatic SafeBeam™ mode adapts exposure factors on the basis of patient build and the anatomical area 			
Scan protocols - for each FOV	Low Dose (ECO)	Regular	Enhanced	Best Quality
Scan times	7.2 s ÷ 10 s	14.4 s	14.4 s ÷ 18 s	19.2 s ÷ 26 s
Emission times	1.4 s ÷ 4.6 s	2.8 s ÷ 6.1 s	2.8 s ÷ 6.1 s	3.8 s ÷ 8.8 s
CBCT EXAMS	BODY VERSION		BODY PLUS VERSION	
ADAPTIVE FOV (\$\phi\$) x (H)	INCLUDE		ADD	eXtra Functions
eXtra extended FOVs	17 x 32 cm	13 x 12 cm	29 x 30* cm	29 x 56* cm
	17 x 22* cm	13 x 8 cm	29 x 17 cm	29 x 43* cm
	17 x 17 cm	13 x 6 cm	29 x 12 cm	21 x 56* cm
	17 x 12 cm	10 x 10 cm	24 x 30* cm	21 x 43* cm
	13 x 32* cm	8 x 8 cm	24 x 17 cm	17 x 62* cm
	13 x 17 cm	8 x 6 cm	21 x 30* cm	17 x 47* cm
	15 x 6 cm	6 x 6 cm	21 x 17 cm	13 x 62* cm
	-	4 x 4 cm	-	13 x 47* cm
				40* x 17 cm
Voxel Size resolution	Variable according to used scan protocol (from 90 µm to 500 µm)			

Reconstruction time	Less than 1 minute

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	2D IMAGI	CAPTURE		
FUNCTIONS	Ray2D	CineX	Cine-Scout	
Туре	Single Shot X-ray for static analysis	Multi-Shot X-ray, variable duration for dynamic analysis		
Info	Equivalent to a Scout View	Remote execution with repositioning scout image	Examination start and display on board machine via foot control and monitor	
Source-Detector distance	Fixed 980 mm			
Projection angle	V	Variable ±5° (position can be selected by user)		
Radiograph size (FOV on patient)		30 cm x 30 cm (17 cm x 17 cm)		
Scan time	0.015 ÷ 0.6 s	1÷36 s @ 25fps	1÷36 s @ 12fps	
Emission time	0.015 ÷ 0.6 s	0.25 ÷ 9 s	0.18 ÷ 6.48 s	
Automatic exposure control	Manual parameter selection (± 10 kV, ± 1 mA, ±Δt ExposureTime)	Automatic SafeBeam™	Manual parameter selection (± 10 kV, ± 1 mA, ±∆t ExposureTime)	
Maximum X-ray load	72 mAs	777 mAs		
Image format	DICOM or JPEG	DICOM / AVI	DICOM / AVI	
	POWER	SUPPLY		
Voltage Frequency	230 V ~ (± 10%) 50/60 Hz (± 1%)			
Maximum power absorption	16 A			
Absorbed current	2 A (stand by)			

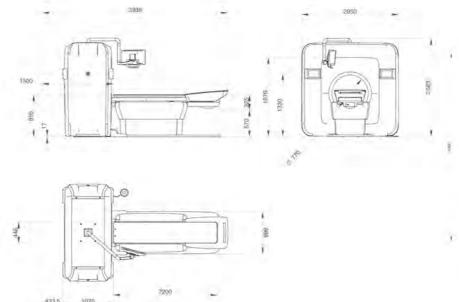
Power supply values other than those indicated require the use of an adapter/converter (not supplied)

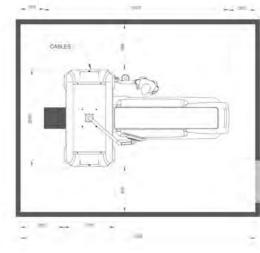
	ERGONOMICS				
Large Gantry	Aperture 77 cm (30")				
On-machine console	2 or 4 10" full touch screens that can be positioned right or left, front or rear				
Examination selection	Protocols can be personalised via the on-machine console or from a PC workstation				
Patient table	220 cm long, 45 cm wide (with soft folding mattress)				
Patient table load capacity	215 Kg (200 kg patient + 15 kg accessories)				
Patient positioning	Possibility of ventral or dorsal lying-down exam position; Right or Left side position; Head or Tail forward)				
Patient Alignment	Servo-assisted + 3 Laser guides (Class 1 - IEC 60825-1) - 3D: 4x Scout View; XF Pack: 4x Scout view - CineX: 1 ScoutView				
Patient positioning	Positioning and other dedicated radio-transparent supports				
Adjustments	3-axis, 2-speed powered patient table: on-board machine control. Longitudinal travel: 0 cm - 148 cm Vertical: 57.5 cm - 88 cm Lateral: -10.8cm - +10.8 cm				
Other functions	Patient monitoring system with video cameras and intercom to monitor and communicate from the remote workstation				
User interface software	Multi-Language: Italian, English, French, German, Spanish, Portuguese, Greek, Polish, Finnish, Swedish, Dutch, Czech, Bulgarian, Hungarian, Turkish, Lithuanian, Ukrainian, Russian, Chinese.				
	CONNECTIVITY				
Connections	LAN / Ethernet				
Software	NewTom NNT (compliant with ISDP®10003:2020 in accordance with EN ISO/IEC17065:2012 - certificate number 2019003109-1) and iPad App - NNT viewer (free)				
Supported protocols	DICOM 3.0, TWAIN, VDDS, CLOUD sharing (RealGUIDE)				
DICOM nodes	IHE compliant (Print; Storage Commitment; SR document; WorkList MPPS; Query/Retrieve)				
INSTALLATION REQUIREMENTS					
COMPOSITION	SCANNING UNITS	PATIENT TABLE			
Maximum dimensions (L x D x H) complete with optional components	2050 mm x 1070 mm x 2083 mm - (80.7" x 42" x 82")	2200 mm x 888 mm x 895 mm - (86.6" x 34.9" x 35.2")			
Package dimensions (L x D x H)	2200 mm x 1417 mm x 2207 mm - (87" x 56" x 87")	2450 mm x 1130 mm x 1100 mm - (96.5" x 44.5" x 43.5")			
Weight with packaging	1020 kg (2249 lb)	590 kg (1300 lb)			
Accessories	Cine-Scout Pack (monitor and foot control for on-machine emissions confirmation)				

Footprint: 3938 mm x 2050 mm (155" x 80.7 ") Room: 5000 mm x 4000 mm (lateral access to device required for assistance)

1050 kg (2315 lb) over the footprint area detailed above

Specifications subject to change without prior notice.







Minimum space requirement (L x D) Total weight of installed device complete with optional components

