

CLINODIGIT OMEGA SYSTEM

Multifunctional DR+DRF system with
Dynamic Flat Panel Detector

Product Data



One system
All examinations
No compromises

REV. 9 (May 2017)

CLINODIGIT OMEGA SYSTEM

CLINODIGIT OMEGA SYSTEM is a revolutionary floor mounted remote controlled compact digital radio fluoro system with dynamic flat panel detector that allows to perform ALL TYPES of DIGITAL RADIOGRAPHY and DIGITAL RADIO-FLUOROSCOPY EXAMS with one single compact unit.

CLINODIGIT OMEGA SYSTEM is equipped with a latest-generation 43cm x 43cm (17" x 17") DYNAMIC FLAT PANEL DETECTOR with CsI scintillator, thus ensuring exceptional image quality, unsurpassed productivity, and minimal patient dose. Thanks to its innovations, dramatically enhances departmental productivity and efficiency, while providing maximum comfort and safety for both patients and operators.

CLINODIGIT OMEGA SYSTEM is a



DIGITAL RADIOGRAPHY SYSTEM



DIGITAL FLUOROSCOPY SYSTEM



DIGITAL CHEST IMAGING SYSTEM



DIGITAL EMERGENCY ROOM SYSTEM

CLINODIGIT OMEGA SYSTEM:

- ✓ guarantees superb image quality and minimal dose thanks to the extremely high sensitivity, resolution, and contrast of its dynamic flat panel detector
- ✓ enables department productivity enhancement since all examinations can be performed on one single unit thus perfectly adapting to varying morning/afternoon exam type mixes, with maximum return on investment and system utilization
- ✓ guarantees patient accessibility from all table positions
- ✓ provides unsurpassed patient comfort with its extremely low tabletop height and the capability of head-to-toe scanning, on both tabletop or external mobile table, with no patient movement
- ✓ characterized by a high performance workstation with software including integrated patient and exam management, generator, image acquisition and pre and post processing features with auto quality control features.
- ✓ ensures total connectivity with external RIS/PACS systems via its proven and versatile DICOM 3.0 layer.
- ✓ DICOM Media Storage with Read and Write CD/DVD for data storage and review

TYPICAL EXAMINATIONS FULLFILLED WITH CLINODIGIT OMEGA SYSTEM



AP thorax exam with 200 cm SID



Full-spine on a supine patient



Weight bearing lateral projection for lower limbs



Merchant projection



Tomography and movements for Tomosynthesis reconstruction



Lateral projection on a stretcher



Exam with contrast medium



Trendelenburg



Fluoroscopy with compression procedure

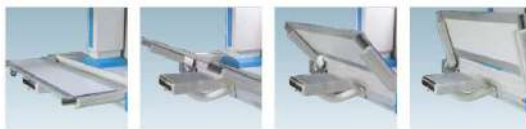
Thanks to TTT (tilting tabletop) movement, CLINODIGIT OMEGA SYSTEM can perform:

- All General X-Ray examinations including lateral and oblique projections
- All fluoroscopy examinations (continuous fluoro, pulsed fluoro, high contrast fluoro)
- Chest examinations (when table top is lifted, see picture above) with patient directly in contact with the detector bucky and with a 2 meter focal distance, in order to reduce the geometrical distortion of the diagnostic image
- Emergency examinations (when table top is lifted, see picture above) without moving the patient from the radio-transparent stretcher (typical polytraumatized patients) and without using additional accessories
- Weight bearing examinations
- Automatic full spine and full leg stitching examinations
- Pediatric or Wheelchaired examinations with body part directly in contact with detector bucky
- All fluoroscopy examinations including Digital Subtraction Angiography

MAIN CARACTERISTICS

TTT (Tilting-Table-Top) MOVEMENT

Tabletop motorized movement that removes patient table from detector active area, ALL RADIOGRAPHY EXAMS are now possible with no limitation due to the tabletop presence (exams on a stretcher, exam in contact with detector ...).



Furthermore, this movement reduces patient-detector distance and permits patient positioning with no impediments for perfect projections.

BEST-IN-CLASS 200 CM FOCAL DISTANCE

All distortions are eliminated for chest imaging, improving outstanding image quality. This represents an important feature also for full-spine imaging for Stitching procedure.

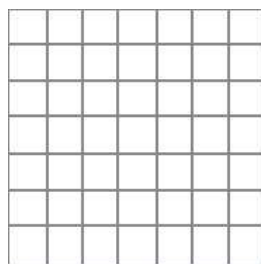
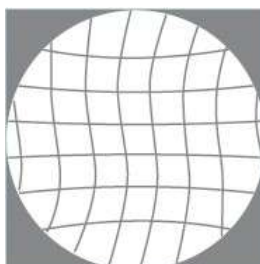


DYNAMIC FLAT PANEL DETECTOR

CLINODIGIT OMEGA is based on a dynamic flat panel detector featuring amorphous Silicon (a-Si) technology and a Caesium Iodide (CsI) scintillator. With this 43cm x 43cm detector, every anatomical districts can be imaged.



Comparison with a 16" II.



The Flat Panel Detector removes the distortion problem typical of systems with Image Intensifier.

Its 16-bit acquisition depth guarantees for an incredible greyscale dynamic range where most subtle details and the most diverse structures can be easily identified without further image retakes. Brand new FPGA frame capture guarantees to view the final diagnostic sequence in real time (directly without preview and post processing).

MAIN CARACTERISTICS

ALL-IN-ONE TOUCH SCREEN CONSOLE AND PREDEFINED WORKING POSITIONS

All motorized movements (tabletop, column, x-ray tube and detector), are strongly controlled by the "All-In-One" 12" touch screen console positioned in the control room



Predefined system working positions (Chest, Emergency, Horizontal and Vertical Stitching) through use of multifunctional joystick guarantees an unmatched ease of use. Operators can perform the entire examination from the control room hence eliminating any risk of X-ray exposure.

TOTAL PATIENT ACCESSIBILITY

For the minimum height of patient table, access to examination is granted also to disabled patient, which can be positioned on tabletop without any risk of further traumas.



With patient tabletop at minimum height, CLINODIGIT OMEGA SYSTEM is operative for all examinations, without having to be repositioned to centre of the system, since any further movement can be traumatizing for already injured patients.

90/90 FULLY SIMMETRIC

Footrest can indifferently be positioned both on the right and on the left side.



ON-BOARD CONTROL CONSOLE

To further help the operator even in the examination room, on the detector tray there is the small on-board console from which it is possible to drive all the main and most frequent movements of the device.



The operator in this way remains in the examination room, close to the patient, to perform very accurate centering or simply to move the device staying close to the patient

MAIN CARACTERISTICS

AUTOMATIC STITCHING^(*)

The Stitching function involves the automatic acquisition and re-composition of a set of radiography images. Each time a different section of the patient is irradiated until a complete large format image is obtained. This function is fully automatic and typically used for exams concerning the full-spine or full-leg imaging.



Graphic functions ^(*) available for Stitching exams:

- Level difference;
- Cobb angle;
- Double Cobb angle;
- Right-angle lines;
- Leg measurements;
- Manual Stitching

CONTROL AND SAFETY

COLLISION PREVENTION

All automatic movements are software controlled, in order to avoid collision with surrounding environment (floor, ceiling, walls). The geometric limits of the room within moving the system without collisions are set via software. Optical sensors around the tube avoid collisions during SID variation, just stopping the column once an obstacle is detected.



In addition to keep everything under control, each movement is only of intentional type (deadman).

DOSE MONITORING

The display, documentation and storage system of the dispensed dose is achieved thanks to the Vacudap DAP meter positioned at the exit of the X-ray tube and connected to an electronic unit for the detection and measurement of the product dose per area (DAP meter). The X-FRAME DRF@ software manages all the dosimetric data acquired in the patient file and generates a report of the individual exposures or of the entire examination. These data can then be exported in DICOM format to a network node. The detected dose values (together with the values of the radiological parameters used in image acquisition) are displayed on the control console monitor and automatically stored in the DICOM file.

In this way the user can always have the RX emission data available, allowing (for Modality Perform Procedure Step service) the exportation also of the details related to the exposure of the patients in a standard format. The data thus available can therefore be sent automatically or upon request to a company analysis system (Radiation Report System) or to the RIS-PACS system.

The DICOM classes necessary to be able to send to PACS together with the acquired images also the information about dose delivered to the patient for each exam, are: **DICOM MPPS (SCU): Sending the examination status to HIS / RIS** and **DICOM RDSR (Radiation Dose Structured Report)**.

MACHINE COMPOSITION

- X-Ray generator
- Remote controlled examination table (CLINODIGIT OMEGA)
- X-Ray tube
- Hi res 43x43 cm CsI Digital flat panel detector
- Image acquisition software with processing tools and DICOM package
- Dap Meter

TECHNICAL SPECIFICATIONS

MOVEMENTS

Movements	System is provided with autopositioning commandable from a dedicated joystick placed on a touch screen console that permits the unit to achieve all the necessary automatic movements simply bending the joystick in one single direction.
Tilting	Floor mounted +90°/-90° (footrest can indifferently be positioned both on the right 90° and on the left side) with automatic stop at 0°. Motorized.
Tilting speed	Variable. Max. 6°/s
Table top longitudinal travel	Complete patient coverage is guaranteed by the long travel of column/detector assembly
Table top transversal travel	30 cm [-15; +15] cm. Motorized
Tabletop transversal speed	Max. 5 cm/s
Table top vertical travel	Motorized. 91 cm (from 50 cm to 140 cm)
Tabletop vertical speed	6 cm/s
Table top tilting (TTT Movement)	90°. Motorized
Column longitudinal travel	150 cm coverage without moving the patient. Motorized
Tube detector tracking	Tube and bucky are continuously aligned also for oblique projections. It's possible to unlock this condition and also to unalign the 2 items.
Column longitudinal speed	12 cm/s
SID	From 115 cm to 200 cm (with programmed stops: 150 cm and 180 cm). Motorized
SID travel speed	6 cm/s
Tube rotation	±45°. Motorized
Tube rotation speed	10°/s
Detector longitudinal travel	145 cm. Motorized
Detector longitudinal speed	12 cm/s
Complete Patient exploration	188 cm just with the movement of tube and detector, with no patient repositioning
Table movements control	Achievable from touch screen display in control room and directly on table through the control panel on the bucky. Touch screen display reports current information of the unit position including collimator window size and SID (focal distance)
Automatism	1. X-ray tube and detector automatically align for a simple and correct exam execution. X-ray beam and detector centre are kept aligned also during oblique projections. 2. Automatic positioning of x-ray tube and detector depends on the required exam/projection to do, basing on a preinstalled set of predefined working positions. Operator manages this positioning from the touch screen console.

TECHNICAL SPECIFICATIONS

PATIENT TABLE

Length	230 cm
Width	74 cm
Composition	- Polycarbonate. - Carbon fibre ^(*)
Filtration for standard table top	< 0,5 mm Al eq @ 70 kVp
Table top – Detector distance	7,5 cm
Detector surface - Patient	2,8 cm
Max. patient weight with no movement limitations	205 kg
Table access	Table top is accessible from three sides

GRID

Grid Control	Yes. Automatic
Grid extraction	Yes
Grid type	Stationary extractable
Standard grid	SID: 140 cm - Ratio: 12 - 80 lp/cm
Additional grids	Yes ^(*) . SID: 160 cm - Ratio 12 - 80 lp/cm for stitching or chest examinations with 180 or 200cm focal distance

COMPRESSOR ^(*)

Compression force (kg)	Set by 3 buttons of programmable values. Halfway steps are 5 kg, 10 kg, and 15 kg
Minimum distance compressor cone/tabletop	10 cm

TOMOGRAPHY ^(*)

Angles	10°, 20° and 40°
Speeds	FAST mode: 280 mm/s SLOW mode: 187 mm/s
Tomography exposure times	FAST mode: 2 s (layer height=300 mm, angle=40°) SLOW mode: 3 s (layer height=300 mm, angle=40°)
Tabletop height	From 49 to 86 cm
Layer height	From 0 to 300 mm

^(*) Optional

CLINODIGIT OMEGA SYSTEM

TECHNICAL SPECIFICATIONS

H. V. GENERATOR	Pixel DRF 65 kW	Pixel DRF 80 kW ^(*)	Pixel DRF 100 kW ^(*)
Type	Latest high frequency microprocessor controlled inverter type X-Ray generator for radiography and fluoroscopy, for the most stable output and lowest emitted dose		
Switching frequency	Up to 400 kHz		
Output power	65 kW	80 kW	100 kW
Precision	< 1%		
Ripple	<1% peak to peak @ 100kV		
Dual Speed Starter	Yes		
Acquisition modalities	Continuous fluoroscopy, Pulsed fluoroscopy, Direct digital radiography, Radiography		
Radiography kV range	40 - 150 kV with 1 kV increments		
Fluoroscopy kV range	40 – 125 kV with 1kV increments		
Radiography mA range	0.1 - 800 mA	0.1 - 1000 mA	0.1 - 1000 mA
Continuous Fluoroscopy mA range	<0.5 – 10 mA in normal mode and 0,5 – 20 mA in high mode		
Current values as per Renard scale	10mA, 12.5 mA, 16mA, 20mA, 25mA, 32mA, 40mA,50mA, 64mA, 80mA, 100mA,125 mA,, 160mA,250mA,320mA,400mA,500mA, 640mA,, 800mA, 1000mA		
Pulsed Fluoroscopy mA range	5 - 99 mA		
mAs	0,1 – 1000 mAs		
Exposure time	1 - 6300 ms		
Anatomical programs	Yes. Unlimited editable anatomical programs for each part of the body and every type of projection, also including auto tube focus selection switch, managed directly by acquisition software		
Manual and automatic modes	1-Point technique: Ability to perform exams with automatic esposimeter with microprocessor-controlled selection of kV and radiological parameters. Generator starts x-ray emission with max mA allowed by the x-ray tube loading curves. If the esposimeter requires an exposure time incompatible with initial mA value, these values automatically are decreased to obtain the right mAs value for the correct exposure. (Note: 1-point technique allows performing diagnostic exams with very short exposure times). 2-Point technique: 1. kV, mAs selection 2. Exposure with constant load 3. Use of automatic esposimeter to display min exposure time and max mAs value allowed by x-ray tube loading curves. 3-Point technique : 1. kV, mA, mAs selection. 2. Exposure with constant load 3. Use of automatic esposimeter to display exposure time after emission. Programmed anatomic technique: With this technique, it is possible to program and select several exposure techniques for each anatomic regions, with the possibility to select between different patient sizes. For each type of exam it is possible to store and after, select, the following functions: 1. Detector selection 2. X-ray focus selection 3. Operative technique selection.		
Automatic exposure control (AEC)	X-Ray exposure timme automatically adjusted through the use of three field ionization chamber		
Independent Operation	Yes. X-ray Generator can also work independently with other imaging supports i.e. film and/or CR		
Generator curves / APR programs	Possibility to correlate the Generator performance curves with specific APR programs		
Dose Area Product (DAP)	Yes. With dose information stored in image DICOM header		
Electrical Safety standards	Class I Type B		

CLINODIGIT OMEGA SYSTEM

Protections	Overload protection, Tube over temperature (anode heat real time monitoring through thermal switch control) and with self diagnostic programme with Indicators for errors (Broken filament, Earth fault error, KV error, Filament problems, Abnormal rotor condition, High voltage arcing, High voltage condition, any condition limiting the exposure like overcoming the max generator power, radiography high voltage current adjustment)
Audio/visual indications	Software automatically informs the operator with audio / visual sound / messages of each phase of the examination
Radiography/Fluoroscopy exposure controls	Unit is provided with 2 level (prep, exposure) push button and with multifunctional footswitch in control room and in exam room for the release of radio, fluoro exposures.

TECHNICAL SPECIFICATIONS

X-RAY TUBE	RTM101HS	RTC1000HS
Type	High speed, rotating anode, dual focus perfectly compatible with the generator	
Anode speed	3000 and 10.000 routes/min	
Tube construction	RTM	RT-TZM-C
Tube voltage	Up to 150 Kv	
Anode Storage Capacity	400kHU	1120 kHU
Maximum heat dissipation rate	84.000 HU/min	160.000 HU/min
Maximum tube assembly heat content	1792 HU	2000 HU
Target angle	12,5°	13°
Focal spot number	2	
Focal spot size	0,6 x 0,6 mm (s. f.), 1,2 x 1,2 mm (l. f.)	0,6 x 0,6 mm (s. f.), 1,2 x 1,2 mm (l. f.)
Focal spot power	26/63kW @ 3000rpm, 40/100kW @ 10000rpm	22/55kW @3000rpm, 37/100kW @10000rpm
Inherent filtration	0,7 mm Al	
Tube readiness for acquisition	< 2 seconds	
Leakage radiation at 1m from focal spot	0.44 mGy/h	

COLLIMATOR

Type	Automatic and manual, multi leaf square LED light with filters and cross hair markings. Motorized, remote controlled from touch screen console. Collimator automatically configured according to the selected APR program
Collimation	Automatic, square field (48 x 48 cm @ 90 cm)
Display	Yes. LCD and touch screen
Timer	Controllable from the remote console with auto shut timer
Al eq contribution to total filtering	Min 1,2 mm Al
Additional filtration	Automatic, based on selected exam: 0 mm Al 1 mm Al + 0,1 mm Cu 1 mm Al + 0,2 mm Cu 2 mm Al + 0,3 mm Cu

(*) Optional

CLINODIGIT OMEGA SYSTEM

TECHNICAL SPECIFICATIONS

DIGITAL IMAGING SYSTEM

FLAT PANEL DETECTOR	Pixium 4343 FL
Detector type	Dynamic
Technology	Amorphous silicon
Scintillator	Cesium Iodide (CsI)
Format (ISO 4090)	43 x 43 cm
Effective Pixel matrix	2880 x 2880 pixels
Image depth	16 bit
Pixel pitch	148 µm
Image transfer time	1 s (no preview)
Typical DQE (@ 0 lp/mm RQA5)	65%
Modulation Transfer Function (MTF)	@ 1 lp/mm: 55% @ Nyquist: 7%
Spatial resolution	3,4 lp/mm
Zoom	8 available fields
Additional detectors	Optionally it's possible to add a wi-fi detector for free air examinations

ACQUISITION AND POST-PROCESSING WORKSTATION: X-FRAME DRF

HARDWARE

Type	Integrated multitasking digital workstation, microprocessor based, to store and review high res fluoro and radiographic images
HDD	High speed digital harddisk with fast recall capability System hard disk: 128 GB Hard disk for image archive: SATA2 2TB
CPU	Intel® Core™ i7-6700 Processor (8M Cache, up to 4.00 GHz)
RAM	8 GB
CD/DVD recorder	Yes ^(*) . External via USB 2.0 port
Network communication	Network ready for connection to hospital network via LAN or wifi
Operating system	Windows 7 (64bit) Embedded (or Windows 10)
UPS	Yes ^(*) . Emergency power unit system for safe and controlled switch off preventing any data loss or damage
Keyboard and mouse	Included
N° storable images	> 200.000 img 1kx1kx16bits resolution for standard HDD

MONITOR IN CONTROL ROOM

Type	Medical grade color monitor, 2 MP
Size	24,1
Recommended resolution	1920 x 1200 pixels
Contrast	1000:1
Brightness	350 cd/m ²

CLINODIGIT OMEGA SYSTEM

ABC	Automatic brightness control on board with special LUT for DICOM images
MOBILE CONTROL CONSOLE IN EXAM ROOM ON STAND (Optional)	
Type	Medical grade color monitor, 2 MP
Size	24,1
Recommended resolution	1920 x 1200 pixels
Contrast	1000:1
Brightness	350 cd/m ²
ACQUISITION MODALITY	
Type	System is provided with customized digital processing protocols for exam modality and projection in order to enhance all the exam details and providing the less dose possible to the patient through the intelligent use of the collimation field and relative noise reduction filters and of the selected radio/fluoro parameters that make the flat panel detector work in its most efficient conversion conditions (lowest dose/best image quality result). System provides also the possibility to store RAW DATA so to apply different image elaborations once in post processing modality.
Continuous fluoroscopy	16 fps (Active area: 43x43 cm, 960x960 pixels) 12 fps (Active area: 30x30 cm, 1024x1024 pixels) 20 fps (Active area: 20x20 cm, 672x672 pixels) 6 fps (Active area: 15x15 cm, 1024x1024 pixels) All modalities available for DSA mode
Pulsed fluoroscopy	1 ... 12 fps (Active area: 43x43 cm / 30x30 cm / 20x20 cm) 1 ... 6 fps (Active area: 15x15 cm) All modalities available for DSA mode

TECHNICAL SPECIFICATIONS

ACQUISITION AND POST-PROCESSING WORKSTATION: X-FRAME DRF@



SOFTWARE

Image acquisition time	For diagnostic image: 1 s
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CLINODIGIT OMEGA SYSTEM

Image size	15,6 MB (high resolution radiography) 2 MB (pulsed fluoro)
Image enhancement	everest-X : image-processing algorithm that simultaneously discriminates high and low attenuation regions corresponding to different grey levels. It is possible to expand the "latitude" of a single image displaying all the relevant clinical details at the same time, without wasting time in window/level adjustments. This is made possible thanks to the hierarchical division of the original image into a number of sub-images that represent different spatial frequency bands, then an intelligent binding process brings together the images to highlight their clinical contents, thus increasing the diagnostic value of the image. Some types of exams (eg, chest, abdomen, extremities etc.) require a specific synchronization of the algorithm with the generator parameters, for the specific exam.
Real time processing	▪ Pulsed fluoroscopy/ continuous fluoroscopy ▪ Ionization chamber virtual position (during patient positioning to guarantee the less dose possible) ▪ Background automatic fluoro storing without delaying image acquisition process ▪ Digital Compensation Filter ▪ Edge enhancement ▪ Harmonization ▪ Windowing ▪ Noise Reduction Filter ▪ ADR (Automatic Dose Regulation) ▪ Auto brightness control (ABC) to maintain constant brightness with lowest dose emission ▪ DSA ^(optional): - Peak opacification - Road mapping - Digital Subtraction - Auto Masking
Post processing features	▪ Oriented Exam LUT ▪ Spatial filters ▪ Harmonisation ▪ H&V image reverse ▪ 90° image rotation ▪ Electronic shutters (square and circular) ▪ Reverse image polarity ▪ Multi-image display ▪ Scaled image, variable (from 1.0 to 2.9) ▪ Zoom, variable (from 1.0 to 3.0) ▪ Brightness and contrast control ▪ Virtual collimation on last image ▪ Reference images ▪ DSA ^(optional): - Remasking - Land Marking - Pixel shift - Vascular tracing - QA Analysis
Graphics (overlay)	▪ Grid ▪ Distances ▪ Angles ▪ Text and marker overlay ▪ Virtual collimator ▪ COBB angle and orthopaedic measurement
APR	YES, unlimited preconfigured and editable anatomical programs (APR) divided per body part, projection and patient age and dimension
Exposure Index, Deviation Index	YES(*)
STITCHING ^(*)	
Image Paste	Automatic (manual stitching also available) from one single focal point
Max. n° of images	3
Max. length	120 cm
Time for acquisition and reconstruction	From 15 s to 45 s (it depends on the number of images requested to inspect the complete anatomic area)

CLINODIGIT OMEGA SYSTEM

TECHNICAL SPECIFICATIONS

NETWORKING

DICOM functions

DICOM 3.0 compatibility	Yes DICOM Ready Interface
DICOM Storage (SCU)	Yes. Send Image to PACS
DICOM Modality Worklist (SCU)	Yes. Interface with HIS / RIS with auto refresh option
DICOM Print management Class	Yes. Covers the general cases of printing medical images in standardized layouts.
DICOM Media exchange (DICOM DIR)	Yes. Patient images export to DVD/CD/USB
DICOM MPPS (SCU)	Yes. Send the status of exams to HIS / RIS
DICOM Storage commitment (SCU)	Yes. Send commitment status
DICOM Query / Retrieve (SCU)	Yes. Query and retrieve images from PACS

IHE Integration Profile

Scheduled Workflow	Acquisition Modality : Patient Based Worklist Query / Assisted Acquisition protocol Setting / PPS Exception Management
Patient Information Reconciliation	Acquisition Modality
Consistent Presentation of Image	Acquisition Modality
Radiation Exp. Monitoring	Acquisition Modality
Network	Ethernet TCP/IP

REMOTE ASSISTANCE

Remote access	CLINODIGIT OMEGA SYSTEM is equipped with a remote service system that allows ITALRAY service engineers to have access the system via remote network for servicing and upgrading purposes. The remote servicing system availability is subordinate upon the technical/policy characteristics of the local Hospital network
(*) Optional	

TECHNICAL SPECIFICATIONS

INSTALLATION DATA

Generator Power supply	380 Vac +/- 10%, 50/60 Hz
Workstation Power Supply	230 Vac +/- 10%, 50/60 Hz
System (CLINODIGIT OMEGA)	DIMENSIONS: 249 x 238 x 183 cm WEIGHT: 1690 kg (with accessories)
Generator cabinet (PIXEL DRF)	DIMENSIONS: 50 x 41 x 105 cm WEIGHT: 91 kg
System cabinet (X-FRAME DRF@)	DIMENSIONS: 65 x 52 x 88 cm WEIGHT: 120 kg

ENVIRONMENTAL CONDITIONS

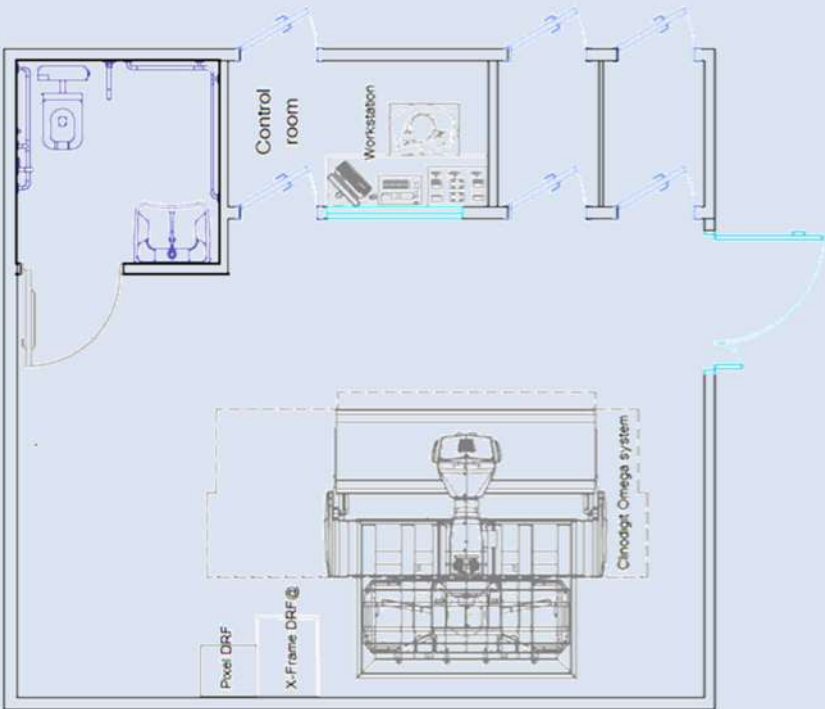
OPERATING

Temperature	10°C ÷ +40°C
Humidity	15% ÷ 85%
Atmospheric Pressure	700 mbar ÷ 1060 mbar

TRANSPORT AND STORAGE

Temperature	10°C ÷ +55°C
Humidity	15% ÷ 85%
Atmospheric Pressure	500 mbar ÷ 1060 mbar

ROOM CONSIDERATION (TYPICAL LAYOUTS)

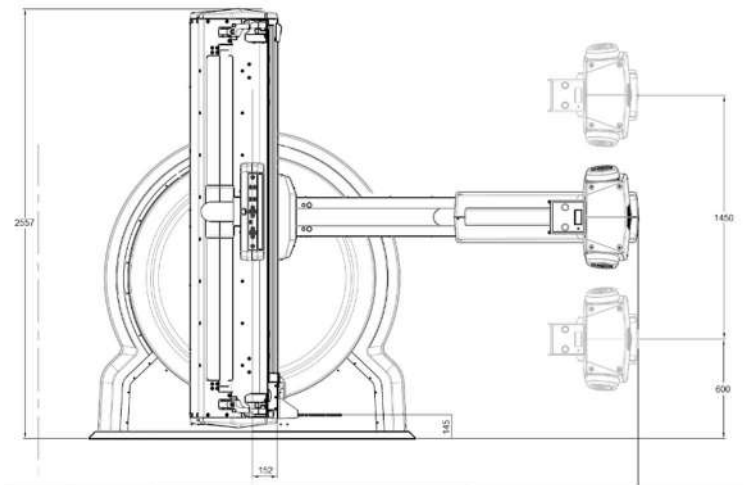


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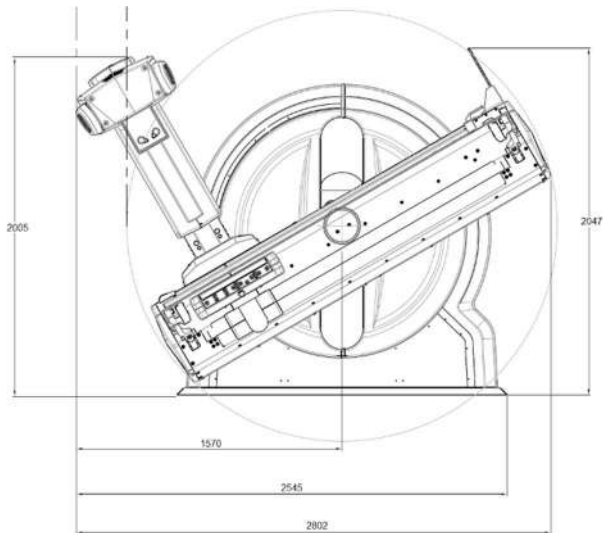
SIZE AND DIMENSIONS

CLINODIGIT OMEGA SYSTEM

FRONT VIEW

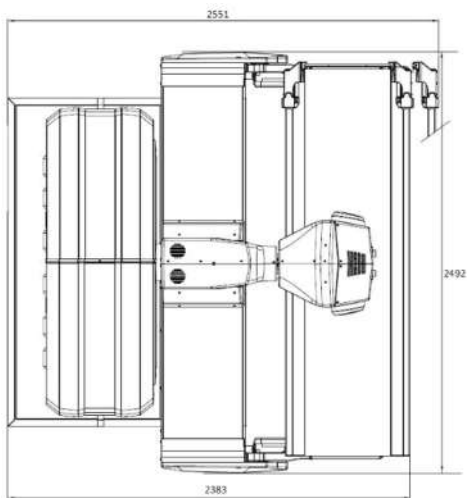


FRONT VIEW



SID: 120 cm – Tilting: 30°

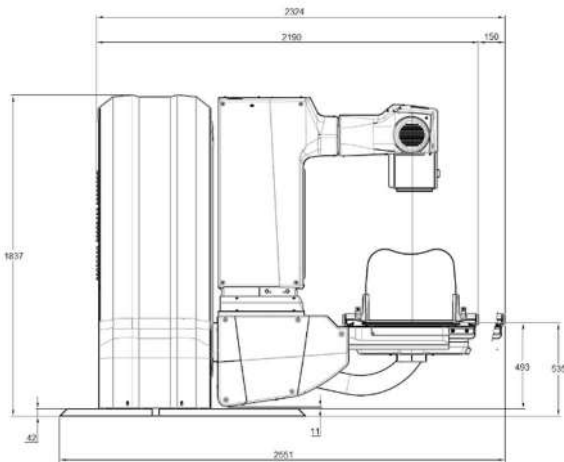
TOP VIEW



SIZE AND DIMENSIONS

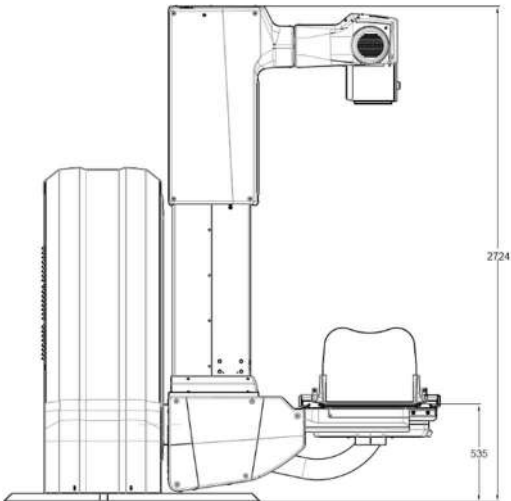
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LATERAL VIEW



Min. SID – Min. tabletop height

LATERAL VIEW



Max. SID – Min. tabletop height

ACCESSORIES

FOOTSWITCH



REMOVABLE PATIENT FOOTREST



PATIENT HANDGRIPS



SHOULDER SUPPORT ^(*)



COMPRESSION BAND ^(*), LEG SUPPORTS ^(*)



CLINODIGIT OMEGA SYSTEM

ARMPIT SUPPORT (*)



(*) Optional

ACCESSORIES

REMOTE CONTROLLED CONIC COMPRESSOR (*)



ACCESSORY FOR WEIGHT BEARING EXAMINATIONS (*)



RADIOTRANSSPARENT STRETCHER (*)

High quality mobile stretcher on rotating wheels with breaks for emergency examinations. 220x66 cm dimension.



THREE PHASE POWER BOX WITH DIMENSIONED CIRCUIT BREAKERS AND OPPORTUNE PROTECTIONS

MOBILE TROLLEY FOR 1 OR 2 ADDITIONAL MONITORS IN EXAM ROOM ^(*)



^(*) Optional

ITALRAY reserves the right to make modifications without any prior notice.



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