



- General Radiographic System
- Ceiling Suspension Tube Stand
- Elevating Table
- Wall Stand

MILLENNIUM is an integrated system for all conventional radiographic applications in combination with a High Frequency Generator, Radiographic table, and Wall bucky.

The system has been designed focusing on flexibility and friendly use. It can also be configured depending on your exact clinical requirements

CONFIGURATION

- Sedecal Nova ceiling suspension Manual & Motorized Vertical
- X-Ray tube
- Trunion Ring
- Manual Collimator
- H.T. Cables
- Elevating Four-ways floating table MILLENNIUM
- Cassette Tray and one grid 103 lines, 12:1, Focal 1 meter
- X-Ray High Frequency Generator
- Two Ion Chambers (Optional)

MILLENNIUM NOVA

MILLENNIUM NOVA CEILING SUSPENSION TUBE STAND MANUAL & MOTORIZED VERTICAL MOVEMENT

The new NOVA is a heavy-duty X-Ray tube overhead support system characterized by its simple and functional design. With its new light weight design, the NOVA guarantees highly precise positioning for an optimal radiographic result.

Thanks to its vertical and horizontal displacements, the NOVA can cover almost all the volume of the room in which it is installed.

The new NOVA support system can operate on an horizontal or vertical Wall Stand, or be installed with an elevating table or booth

NOVA

specific features

- Sound and robust appearance
- Light weight design
- Light weight round telescopic column design with 4 independent parts guided by a high precision alignment mechanism for a smooth and quiet operation. This rigid and durable design, reduces instability and vibration to the minimum, to facilitate precision in positioning.
- Optimal mechanical balancing system for manual movements with almost no efforts.
- Plug in and modular electrical assemblies to facilitate the installation, calibration and maintenance
- X-Ray support with 360° vertical and horizontal rotation
- Safety devices including negative locks on rotation and angulations movement axis
- Ergonomic design, Ease of operation with all controls and switches grouped in an unique control unit



In this model, the angulations and rotations brakes, or locks, are electromagnetic, and remain ON even when the system is OFF. The electromagnetic longitudinal and transverse locks remain ON only when the system is ON.

The vertical axis operates with a motor that expands or contracts the telescope and, at the same time, carries out blocking functions. **The Ceiling Suspension can also be operated in fully Manual Mode.**

MILLENNIUM NOVA

specifications

Control console:

- Indicator for SID
- Indicator Rotation Angle

It is made up of aluminum fixed rails (assembled in the ceiling) and of a bridge that moves longitudinally along the rails

- From 3358mm to 6000mm longitudinal
- From 2000mm to 3450mm transversal

Ceiling suspension characteristics:

- Longitudinal movement maximum of 4866 cm
- Transversal movement maximum of 2351 cm
- Vertical movement of 157.7 cm
- The distance Focus-Ceiling from 715 mm. to 2335 mm
- The tube can turn around the column vertical +/-135° with detents every 45°
- The tube can turn around the column horizontal axis +/- 180° with detents every 45°
- Electromagnetic brakes for all the movements

Counterweight system:

Placed in the inferior part of the tube support.

Double security system to avoid that, in case of a cable failure, the tube can fall down, because there is still another cable and the suspension will be inactive.

Manual Collimator

- Manual collimator with 6 pair of leaves
- Rails accessories (cones, filters, etc)
- Led light lamp (light of the lamp 160 lux)
- Light indicator for alignment with the bucky
- Lamp timing
- Retractable measuring tape

Wall Bucky MILLENIUM

- Non-tilting Bucky Stand
- Vertical travel 150 cm
- Minimum high from floor 40 cm
- Maximum high from floor 190 cm
- Totally counterbalanced for easy movement
- Minimum distance, film centre to floor 40 cm
- left side load
- Electromagnetic brakes for vertical travel
- One Ion Chamber (Optional)
- Reciprocating Bucky
- Cassette Tray
- Grid 103 Lines, 12:1, Focal 1,0 meters

ELEVATING RADIOGRAPHIC TABLE MILLENNIUM

The elevating table MILLENNIUM has a vertical motorized movement with double elevating system in both sides of the table. In combination with a high precision bearing system, it guarantees a smooth and parallel four-ways movement of the table top. The ergonomic design makes it user-friendly for both patient and operator, and it is combined with a strong and solid structure.

- Four ways floating table top bucky table with electromagnetic brakes
- Table top dimensions: Length 220 cm x Height 80 cm
- Table top < 1 mm Al. equivalence
- Table top Weight capacity: 200 Kg
- Table top travels:
 - Longitudinal travel: 110 cm. (+50 cm., -60 cm)
 - Transversal travel: 24 cm. (+/- 12 cm)
 - Vertical travel: 40 cm
 - Minimum distance floor/board: 50 cm.
 - Maximum distance floor/board: 90 cm.
- High impact resistance strong table base
- One Ion Chamber (Optional)
- Reciprocating Bucky
- Cassette Tray
- Grid 103 Lines, 12:1, Focal 1,0 meters
- Longitudinal detector travel: 51 cm
- Radiographic coverage: 161 cm
- Foot switch located at the bottom to control the electromagnetic brakes and table height



THREE PHASE HIGH FREQUENCY GENERATOR 80Kw/150Kv ANATOMICAL PROGRAM MICROPROCESSOR CONTROLLED

The high frequency x-ray generator technologies controlled by microprocessor improve the image quality and reduce the patient dose. The very low ripple and accuracy radiographic parameter kVp, mA and exposure time reduce the soft x-ray radiation and improve the homogeneity of the x-ray beam.

The high frequency x-ray generator controlled by microprocessor improve also the reliability of the whole system and reduce the maintenance cost, thanks to the constant monitoring of the system, with auto diagnostic and error code.

Other generator power available under request 50kW or 65kW

80kW GENERATOR FEATURES

- High Frequency. 1 Tube Operation
- Three phase 400/480VAC
- Output power:
 - 800mA @ 100kVp
 - 640mA @ 125kVp
 - 500mA @ 150 kVp
 - 400mA @ 150kVp
- Automatic line compensation +/-10%
- Microprocessor with auto diagnostic and error code indication for easy maintenance
- X-ray tube overload protection
- X-ray tube H.U available indication and monitoring for x-ray tube protection
- Control of x-ray tube number of exposures
- kVp Radiographic range, from 40 to 150 kVp in 1 kVp step
- mA Radiographic range from 10 to 640mA in 19 step, Renard scale 10, 12.5, 16, 20, 25, 32, 40, 50, 64, 80, 100, 125, 160, 200, 250, 320, 400, 500, 640, 800mA. (1000mA Optional)
- mAs range. from 0.1 to 500 mAs in 40 step, Renard scale
- Exposure time range, from 0.001 to 10 second

X-Ray TUBE

- Rotating Anode 12° Low/High Speed
- 150 kVp
- Options: 300 KHU, 400 KHU, 600 KHU

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