The IOTA P ceiling suspension is a ceiling suspension designed to support and move a x-ray group (X-Ray tube and Collimator) that has been developed to work in a coordinated and integrated way with other x-ray systems to compose a conventional radiological system for clinical examinations. The Ceiling Suspension is intentionally designed to exploit its potentialities and ensure the operator the maximum freedom of choice of the projections considered the most suitable ones for the X-ray examination. Actually it allows to make 5 types of movements permitting any type of X-ray examination both of the chest, the abdomen and skeletal segments.

### IOTA Column

The IOTA S column is an X-ray unit that is combined with other devices to compose a conventional radiological system for clinical examinations. Typical application is intended with patient in a lying or orthostatic position. IOTA S is a tube stand that holds the X-ray source for radiological investigations, it is mounted on a floor-rail and it has as standard supply a collimator. The unit, with its complete configuration, has 5 movements braked by electromagnetic or mechanical brakes.

#### Technical Features

<table>
<thead>
<tr>
<th>Device for the movements type</th>
<th>Panel PC touch screen dedicated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Movement type</td>
<td>Completely motorized with setting up 200/202 / 5902</td>
</tr>
<tr>
<td>X-ray group rotation on Vertical axis</td>
<td>±110°</td>
</tr>
<tr>
<td>X-ray group rotation on Horizontal axis</td>
<td>±110°</td>
</tr>
<tr>
<td>Angular position automatically detected</td>
<td>0°, +90°, -90°</td>
</tr>
<tr>
<td>Height of the central beam</td>
<td>From 720 mm to 1920 mm above the floor</td>
</tr>
</tbody>
</table>

### IOTA Fixed table / Elevating table

The IOTA Be elevating stretcher is a mobile X-ray unit provided with 4 wheels that is combined with other devices to compose a conventional radiological system for diagnostic examinations. Typical application is intended for patient examinations in lying position. The system is provided with longitudinally shifting bucky, moving table with variable height, X-ray transparent 4 way floating tabletop. It can be equipped with analogical screen film, CR cassette or digital detector. The variable height of the tabletop helps access to the stretcher for the patient and it is recommended for examinations of patients with mobility difficulties.

#### Technical Features

| Longitudinal movement of patient holder/top | 900 mm (+/-450 mm) (maximum) |
| Transversal movement of patient holder/top | 400 mm (+/-225 mm) (maximum) |
| Vertical movement of patient holder/top | 286 mm motorized |
| Collimator | Multi beam with retractable meter for FFD indication |
| Minimum distance of the beam from the floor | 365 mm |
| Maximum distance of the beam from the floor | 2480 mm |
| Film-tabletop distance | 374 mm (with CR cassette) |
The IOTA P ceiling suspension is a ceiling suspension designed to support and move an X-ray group (X-Ray tube and Collimator) that has been developed to work in a coordinate and integrated way with other X-ray systems to compose a conventional radiological system for clinical examinations.

The Ceiling Suspension is intentionally designed to exploit its potentialities and ensure the operator the maximum freedom of choice of the projections considered most suitable for the X-ray examination.

Actually it allows to make 5 types of movements permitting any type of X-ray examination both of the chest, the abdomen and skeletal segments.

### Technical Features

- **Longitudinal movement of patient holder top**: 600 mm (+/- 400 mm) @ manual
- **Transversal movement of patient holder top**: 250 mm (+/- 125 mm) @ manual
- **Potter/Bucky movement**: 560 mm
- **Cassette size**: From 13x13 to 43x43 cm
- **Weight sustainable by the patient-holder top**: Up to 200 Kg
- **Longitudinal movement of patient-holder top**: 970 mm from the floor
- **Transversal movement of patient-holder top**: 400 mm
- **Vertical movement of the patient-holder top**: 250 mm (+/- 125 mm) @ manual
- **Minimum height of the tabletop**: 560 mm from the floor
- **Maximum height of the tabletop**: 970 mm from the floor

- **Film tabletop distance**: 77,8 mm
- **Tabletop size**: 2250 x 800
- **Weight sustainable by the patient-holder top**: Up to 200 Kg
- **Cassette size**: From 13x13 to 43x43 cm
- **Transversal movement of patient-holder top**: 250 mm (+/- 125 mm) @ manual
- **Vertical movement of the patient-holder top**: 900 mm (+/- 450 mm) @ manual
- **Minimum height of the tabletop**: 560 mm from the floor
- **Maximum height of the tabletop**: 970 mm from the floor

- **Operation with line inputs of 380 VAC to 480 VAC, 50 / 60 Hz.**
- **Extremely simple transformation from RAD into RAD / RF generator with the simple addition of Inverter Boards and software;**
- **Generator power can be modified from 45 kW to 50-60-80 kW with the simple addition of ABS interface board and software;**
- **High frequency up to 240 kHz;**
- **The GMI Generators are the most advanced generators on the market today. Thanks to the features of the modular design, unmatched by any other model, they can satisfy several demands from various radiological fields.**

### Main Features

- High frequency up to 240 kHz;
- Generator power can be modified from 45 kW to 50-60-80 kW with the simple addition of Inverter Boards and software;
- Extremely simple transformation from RAD into RAD / RF generator with the simple addition of ABS interface board and software;
- Operation with line inputs of 380 VAC to 480 VAC, 50 / 60 Hz.
Deluxe is the software developed by GMI for the acquisition and processing of RAD images from digital flat panel detector and for the digitization of RF images acquired through imaging chain. The easy user interface, the fast processing and displaying of acquired images, the integration into a RIS-PACS system, the possibility to record emergency patients simplifies daily work routine in the radiological department. Deluxe uses advanced processing algorithms, including fast multifrequencies filters, to obtain the best image quality with minimum dose to the patient.

Deluxe is an integrating part of GMI systems: Gamma, Alpha Evo, PI. The versatility of Deluxe configurations makes it the best solution for digital diagnostic images management.

- Excellent image quality: images are delivered with constant high quality and with very low dose reducing the number of retakes. The processing algorithms provide excellent image quality without need of further adjustments. Filters are adapted for each anatomical region.
- Integration possibilities: Deluxe manages different flat panel detectors and different generators, setting exposure parameters directly without need of a separated console.
- User friendly interface: the software is easy to use and the protocols can be translated in any language. Many options are configured according to the user needs.
- Full Dicom compatibility: DICOM query SCP, Modality worklist, Print e storage SCU. Deluxe is integrable into RIS-PACS systems.
- Fast image acquisition and processing: images are acquired, processed and displayed in a few seconds. After the acquisition the user can perform all the basic operation on the images.
- Local Database: Deluxe is endowed with a local DB where images are stored. Studies can be opened again to display images or add new ones.
- Panel with all the operations you can perform on the image: annotations, zoom, measurements, cropping, mirroring...
- Image Processing algorithm
- Image histogram display
- Change of window width and window level