NRT - for more than 25 years providing medical x-ray solutions
Celex is a multipurpose tilt-C X-ray system based on proven and innovative high-end digital technology, enabling a multitude of diagnostic and interventional procedures.

Celex features enjoy an excellent reputation. In this innovative system solution, every element is optimized for image quality, ease of operation, safety and flexibility, meeting future needs and demands.

The system is engineered for maximum uptime and high workflow, thereby reducing overall operating cost.

The design is elegant, providing maximum work area around the table, at the same time requiring minimum room space due to its small footprint, - making it the preferred solution in even relatively small rooms.

Celex is used for a broad variety of examinations such as R/F, specialized applications, interventional radiology, vascular and non-vascular procedures as well as angiographic studies, including DSA.

Celex was designed to meet today’s demands for efficient X-ray studies. Celex is a safe route to diagnostic excellence.
Selecting Celex will provide you with a flexible solution from an industry recognized quality supplier, ready to meet your specific demands.

In addition to the built-in flexibility, we are prepared to accommodate your specific requirements. The system's user interface is designed for ease of operation. The design allows you to specify the positioner with the patient table either left or right side suspended. This highly maneuverable equipment facilitates almost any projection angle, including AP and PA projections, and allows the preferred positioning of the patient to meet the examination requirements.

Let the flexibility work for you by using the one-touch activation to position the equipment in one of your user defined working positions, pre-programmed lateral or vertical beam projection, or the low patient access position.

The system delivers superb images by means of high-end well proven elements in the imaging chain, together with full post processing capabilities.

The image quality is assured by a range of automatic image optimization features, important for continuous improvement of diagnostic accuracy. The pre-programmed APRs can be re-configured and customized to suit individual preferences through the user-friendly touch screen interface.

Celex invites you to work with a truly integrated system, based on the latest innovations. The standard configuration includes the Indico 100 SP Generator with touch screen control console interface from CPI Inc., together with the PlatinumOne DSA digital imaging system incorporating the latest digital CCD Camera from InfiniMed Inc. - built on decades of digital imaging experience.

Settings can be customized and changed for each user's individual preferences, at any time. Once a profile is entered, it is easily selectable.
Ergonomics & patient comfort

A lasting work environment

The user can choose from multiple beam projections which reduce the need to reposition the patient during the procedure and thereby increase patient comfort and user ergonomics.

The Celex positioner design provides spacious working area around the table, allowing easy access for both anesthetists and physicians. Accessing the patient table is easy due to the low access height of only 55 cm above the floor. This is helpful for wheelchair patients and the elderly as well as the attending staff. The low position is reached by one-touch activation. A patient table cradle movement of +/- 20 degrees further eases patient access. Both operator and patient will benefit from Celex’ smooth and quiet movements helping the patient to feel safe and secure, just as its uniquely curved carbon fibre table supports the patient, providing increased comfort. The patient safety is ensured by advanced anti-collision software working in conjunction with an anti-collision detector system.

Celex comes with a number of standard accessories such as a detachable footrest, patient hand grips and a shoulder rest - all of which can be secured anywhere along the patient table. A mattress further increases patient comfort, and patient fixation bands increases the patient’s feeling of safety. A wide range of optional accessories is available, including an optional detachable footrest that allows a step-up height of only 15 cm for standing examinations.

The ergonomic working environment is further improved by the standard Celex configuration including two light-weight flat panel monitors in the procedure room, easy to maneuver compared to conventional CRT monitors.
Celex is an all-digital multipurpose system that can be used for diagnostic as well as interventional radiology, fluoroscopy and angiography.

The equipment, which allows for both AP and PA projections, is suited for RF examinations as well as vascular and non-vascular interventional procedures. The system also provides for high level fluoroscopy in pulsed or continuous modes.

Let Celex help you to perform angiographic studies such as pulmonary, cerebral, abdominal and peripheral run-off, interventional and electro-physiological procedures as well as coronary arteries, heart chambers and the great vessels studies.

Typical applications per anatomical region comprise:

### Digestive system
- Colon
- ERCP
- Liver biopsies
- Oesophagus
- Small intestine
- Stomach
- Swallowing studies
- TIPS
- T-tube cholangiogram

### Skeletal system
- Bone studies
- Sinus tract

### Urinary system
- Cystograms
- IVU
- Nephrostomy tube placement
- Percutaneous nephrolithotomy

### Respiratory System
- Bronchography
- Pulmonary biopsies

### Reproductive system
- Cavernosography
- Uterosalpingography
- Vasa spermatica

### Various iodine studies
- Arthrography
- Facet joint injections
- Myelography
- Sialography

### Circulatory system
- Angiography
- Dilatations
- Embolectomy
- Embolizations
- Stent placement
- Thrombolytic therapy
- Phlebography
Dose management is increasingly important in today’s hospitals and clinics where the aim is to reduce patient dose and improve operator safety.

By choosing Celex you have given dose management a high priority. Patient dose is monitored for each patient via an accumulated DAP (Dose Area Product) value displayed on the user console. Celex works with true 10kHz dose efficient high voltage technology and pulsed fluoroscopy, features which increase the quality of the beam and reduce the overall dose. The LIH-function is especially important during long interventional procedures, reducing fluoroscopy time and overall absorbed dose.

You will experience the advantages of the pre-programmed and user programmable APR (Anatomical Program). These controls allow for substantial reduction of absorbed X-ray radiation by optimizing the X-ray beam filtration.

Selection of three different fluoro dose levels and one especially for pediatric applications are available. Pre-selected APR values can be changed manually at any time by the system operator together with curves that can be configured for each APR technique. Celex’s dose management features will be a benefit for both patient and user.

A safe solution

Network integration for image archiving and patient data management is available for those hospitals which have PACS and HIS/RIS systems.

Celex meets the requirements for intelligent integration and as new standards evolve, Celex will adapt - ensuring that your system is kept on the leading edge of networking technology.

Technical service is locally available to you, supported by a very experienced team at NRT.

The Celex product uses highly reliable components with uptime amongst the highest in the industry. High emphasis is placed on complete training of our distributors’ engineers, forming an integral part of our service installation plan. Service and parts contracts are available, supported by NRT’s technical help desk.

You will benefit from the development enhancements of Celex in meeting your future requirements. This is achieved through software updates and system upgrades made available to our customer installed base on a regular on-going basis.

You will experience the advantages of a very flexible and dynamic system, and a supplier that understands your daily needs for a modern multipurpose system.