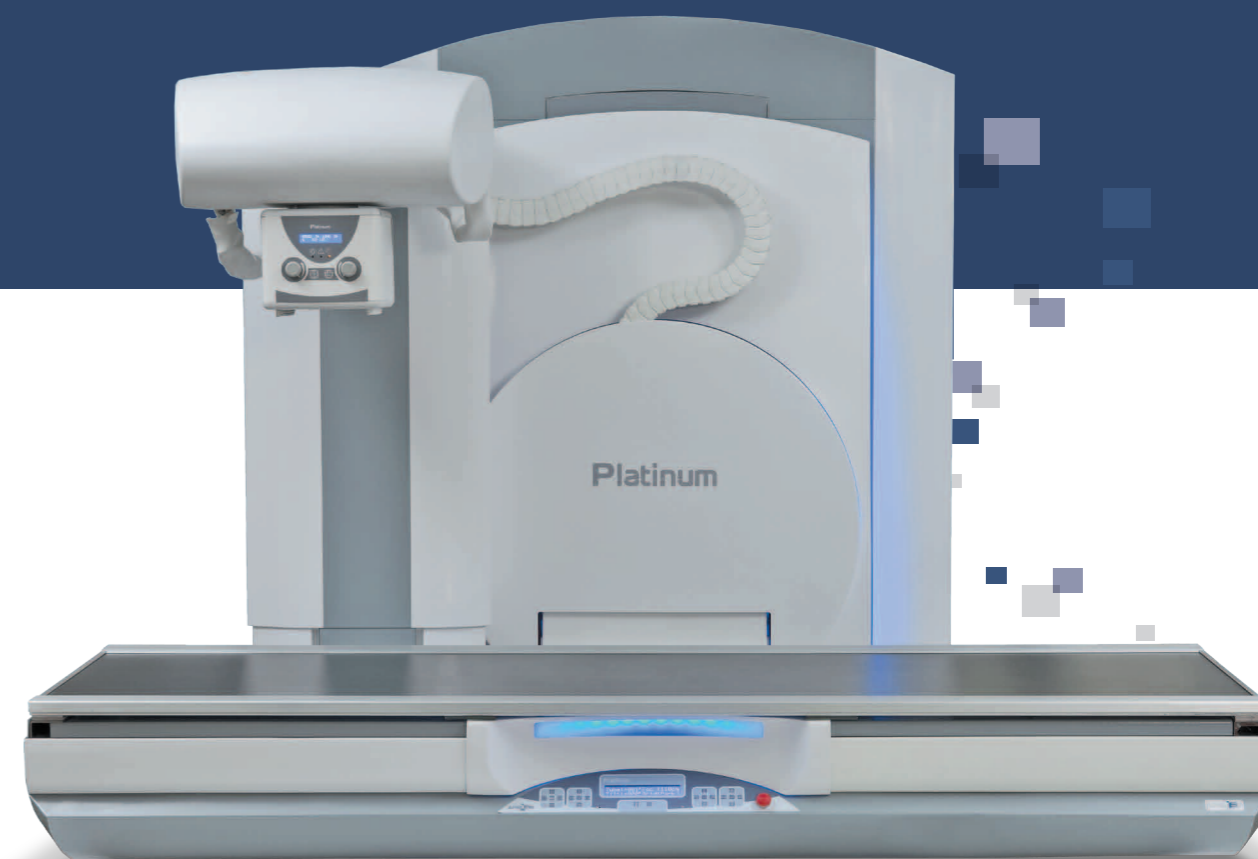


- > RAD Rooms
- > **DR Solutions**
- > **Remote Controlled Tables**
- > Motorised Titling Tables
- > Generators
- > Digital Imaging Systems
- > Mobile Radiography Units
- > Mobile C-Arms



# Platinum

«The whole is more than the sum of its parts» Aristotle



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DMS is quoted on the Paris Stock Exchange Euronext Compartment C: Code ISIN FR 0000063224 - DGM

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# ➔ The Platinum: Reinventing the remote controlled solution

- Reduce patient dose
- Increase workflow
- Enjoy excellent images



For the very best diagnosis



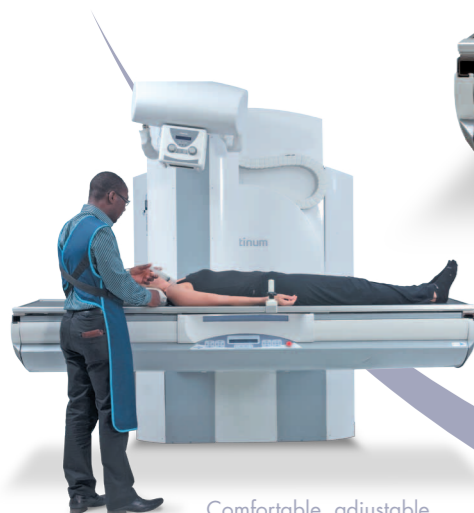
Source to Image Distance: up to 180 cm



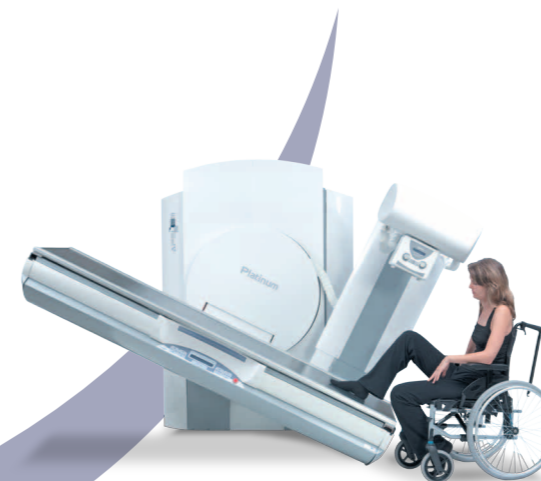
Excellent ergonomics for pediatric procedures



Table top lowers to 48 cm for easy patient loading



Comfortable, adjustable working height



Easily adapts to mobility reduced patients



Programmable Trendelenburg position



Full access all around the table for easy transfer

In today's medical imaging environment, the remote controlled table is the ideal solution for experts seeking a system that offers the most flexibility for a wide range of applications, while of course providing excellent quality diagnostic images. Apelem has studied this notion of flexibility and excellence and has developed a solution that not only ensures both these things, but does so in a package that is high-performing, efficient and optimizes the entire examination experience. From the clean, sleek lines of the design, to the simplified all-in-one control console, to the mechanical ergonomics and elegance, the Platinum is the remote controlled table solution like you've never seen before.

## Radiography / Fluoroscopy

Urology  
Pulmonary  
Tomography  
Gynecology  
Nephrology  
Arthroscopy  
Pediatrics  
Orthopedics  
Accident & Emergency  
Gastrointestinal  
Etc.

## Options

Digital Subtraction  
Angiography (DSA)  
Stitching  
Etc.

# ➔ The most comfortable diagnostic experience for the patient and for the medical team



The Platinum system was designed to provide maximum flexibility for all types of exam rooms and for all types of exams.

The Platinum makes the examination experience as calm, comfortable and non-stressful as possible thanks to combined technology that helps put patients at ease during routine exams or special procedures.



The  $\pm 90^\circ$  motorized tilting table enables the Platinum to easily adapt to any examination room.

Top-of-the-line technology allows for extremely fast and accurate positioning, increasing efficiency and optimizing workflow.

With a SID range from 110 to 180 cm, the Platinum enables a large panel of examinations, offering optimal precision for lung exams and best image quality.

Optimal patient coverage (up to 250 cm) permits a wide range of examinations even in the standard configuration (longitudinal movement is an option)!



With a table top that easily lowers to 48 cm, the Platinum comes to the patient, instead of forcing the patient to come to it.

The smooth, accurate movements of the Platinum ensure maximum comfort as well as the highest level of patient security and safety.



The Platinum is the only remote controlled table today that provides full access around the patient.

Transferring from a stretcher to a table top has never been so smooth and easy, and patients are more accessible than ever for arthroscopy and DSA.



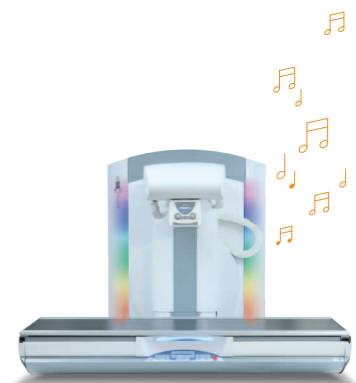
Optimal patient coverage :  
201 cm + 50 cm on each side  
with optional 4-way table top



Designed for all types of patients, the Platinum can easily support a patient weighing up to 265 kg\* while the 85 cm wide table top provides optimal comfort and support.

An ambient light and music selection are available and are particularly appreciated in the case of special procedures and pediatric examinations.

\*Please refer to the Platinum Technical Data document for precise weight information.



# ➔ Find the perfect fit among flexible configurations



Fully motorized, easy-to-use compression.



## Options

VBS (Vertical Bucky Stand)

Ceiling suspension

Double pedal RAD/Fluoro  
in the exam room

Double console  
in the exam room

Second control console  
in examination room  
on wheeled trolley

Automatic injector

In room keypad  
for digital system

Stitching

Tomography

Digital Subtraction  
Angiography (DSA)

Etc.

# ➔ Improve your workflow with the highest technology available on a remote controlled table

A camera in the LED collimator facilitates radiation free patient positioning!



The control console includes a **“move”** feature that allows the table and generator settings to be linked to the patient worklist. Simply selecting the patient in the worklist provides the relevant information for the table to be automatically set for the exam. The SID, grid, generator, filters, table tilting and tube angulations are linked to the APR and are automatically set, significantly improving workflow management and optimizing dose reduction.

A video camera encased in the LED collimator provides an extra tool for positioning, and allows the medical team to maintain uninterrupted contact with the patient.

The innovative control panel enables automatic, independent and “all-in-one” monitoring of all the table’s movements. A large color touch screen offers efficient management of the generator and unlimited APR.

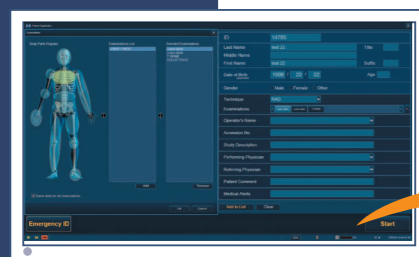


One of the breakthrough features of the Platinum is the control system that fully integrates the mechanical movements of the table and the generator settings into one intuitive, efficient interface that gives a whole new dimension to improving workflow. The Platinum’s control system is piloted by a PC integrated into the control console allowing unlimited flexibility as well as quick and easy network updates, routine maintenance checks and remote maintenance intervention if necessary.

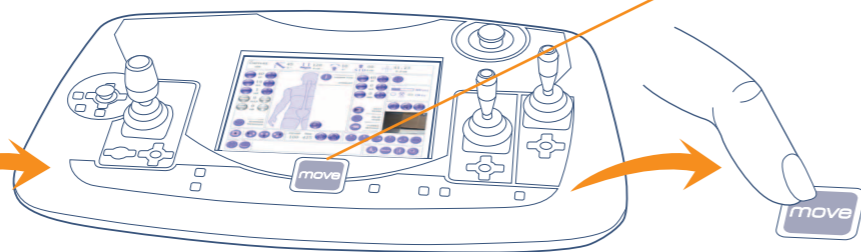
The system allows for remote interventions not just on the generator and digital system, but also on the mechanical movements of the table itself. A 3D intelligent anti-collision control system included in motor axis controller enables a real time operating system that calculates all movements and offers synchronized simultaneous movement for all axes table dramatically improving productivity and increasing the workflow.



«Move» feature



Patient worklist



Control console

Full auto position with preprogrammed APR



Fast and accurate table positioning



Instant access to exceptional images

# ➔ When diagnostics and dose reduction become our first concern!

In addition to increasing productivity and simplifying workflow management, and perhaps most importantly, the Platinum was designed to meet the highest safety requirements and ensure excellent quality diagnostic images with minimal radiation dose.

This is made possible in part by the dynamic flat panel detector the Trixell Pixium RF4343<sup>®</sup> that combines high resolution radiography and high frame rate fluoroscopy.



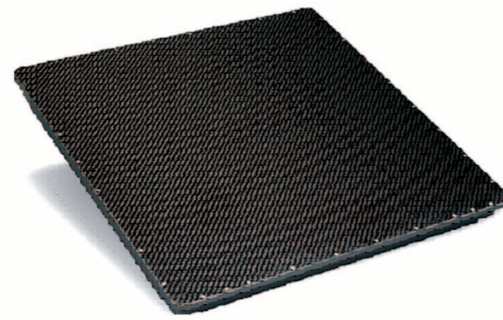
Platinum

## Image Enhancement Tools

- Full DICOM
- Powerful image enhancement tools adapted for each procedure/organ to give the best diagnostic image while optimizing dose reduction.



Workstation



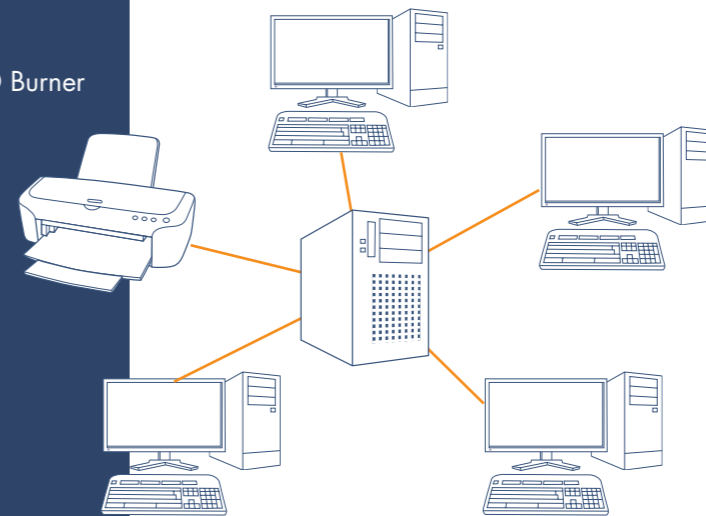
Pixium RF4343: Full field, flat panel digital dynamic detector

## Excellent Images, Extremely Low Dose

- CSI : 43 x 43 cm
- Real time fluoroscopy: up to 30 frames per second
- Full field rad and fluoro
- High detective quantum efficiency (DQE) and extended (16 bit) detector
- Significant dose reduction
- Optimal integration into the clinical network (HIS/RIS/PACS)



**Reports/ Archiving:**  
PACS  
Printer  
CD/DVD Burner  
Etc.



## Maximizing Patient Safety

In addition to the detector, some of the features available on the Platinum that ensure optimal dose reduction include:

- The oscillating removable high definition grid, **significantly decreases patient irradiation** and can be easily removed when necessary.
- The **APR-linked filters** permit automatic filter selection based on the body part being studied.
- The pulsed fluoroscopy modes **optimize low-dose** and real time imaging by reducing radiation to up to 90%!
- A camera included in the collimator facilitates **radiation-free positioning** as it allows the team to position or reposition the patient through visual control.

- **Virtual collimation** (2nd generation) uses Last Image Hold (LIH) to place the collimator shutters at the exact location necessary for an accurate diagnosis.
- The 180 cm SID offers the lowest dose exposure combined with the **highest image quality** requirements for optimal chest examinations.
- A special program specifically dedicated to **pediatric procedures**.
- **Reject Analysis** makes sure that an accurate record is kept for all images recorded, even if they are not used for diagnosis. The patient's record accurately reflects the effective dose.

## Other safety features include

- The **"Dead man" function** ensures that the joysticks controlling the table's movements can only be activated by an operator, and not by an unintentional or accidental brushing against the control panel.
- **Intelligent 3D anti-collision positioning** software ensures that the table adjusts to the room's constraints.