



WORLD CLASS DIGITAL X-RAY SYSTEMS

ARCOMA RESUS/TRAUMA SOLUTION

Challenges in Emergency Departments

TIME IS CRITICAL

Performing quick or rapid diagnostic examination is critical for saving the patients life.

UNSTABLE PATIENTS

It must be easy to move the system to required position. Patient handling must be careful to ensure the patient condition or injuries worse.

GOOD RESULT FIRST TIME

High quality radiographic images must be taken quickly, and good result first time is a must.



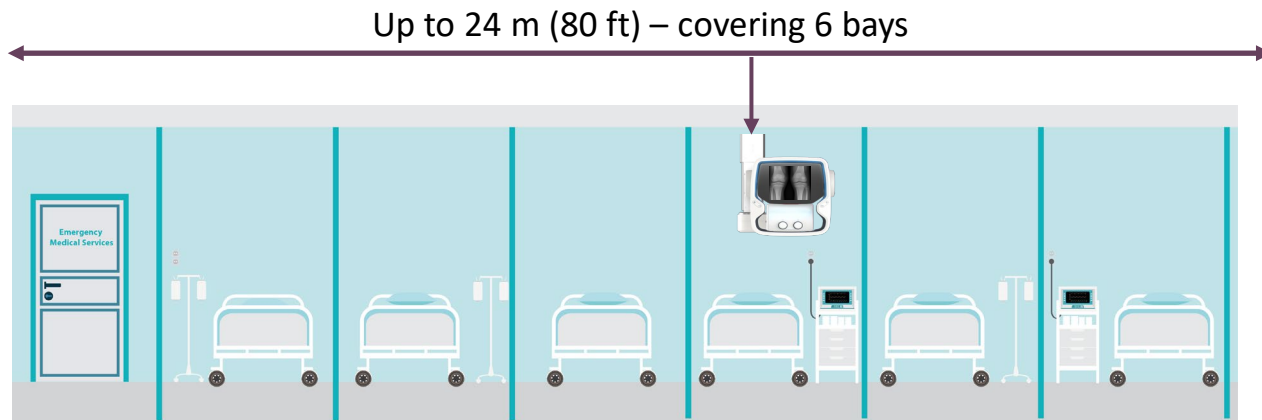


Arcoma Resus/Trauma System

- designed to meet the challenges in Trauma radiography

The Arcoma Resus X-ray solution is a dedicated and unique digital radiography solution for trauma and emergency departments.

The solution consists of a ceiling mounted, lightweight OTC that can easily be moved between bays to keep the floorspace clear and enable quick examinations with high quality imaging results.



Efficient Examinations

PREVIEW IMAGE

- Instant preview images allow quick confirmation of positioning - image shown in ~ 1 second.

LIGHT WEIGHT OTC

- Quick and easy to move
- Ceiling suspended -> Keeps floor clean

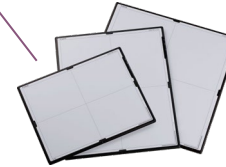
LIGHT INDICATION

- Clearly shows when the system is ready
- Indicates to everyone when exposure is performed



LIGHTWEIGHT DETECTORS

- Easy to handle
- Hand grips



Challenges in Emergency Departments

TIME IS CRITICAL
Performing quick or rapid diagnostic examination is critical for saving the patients life.

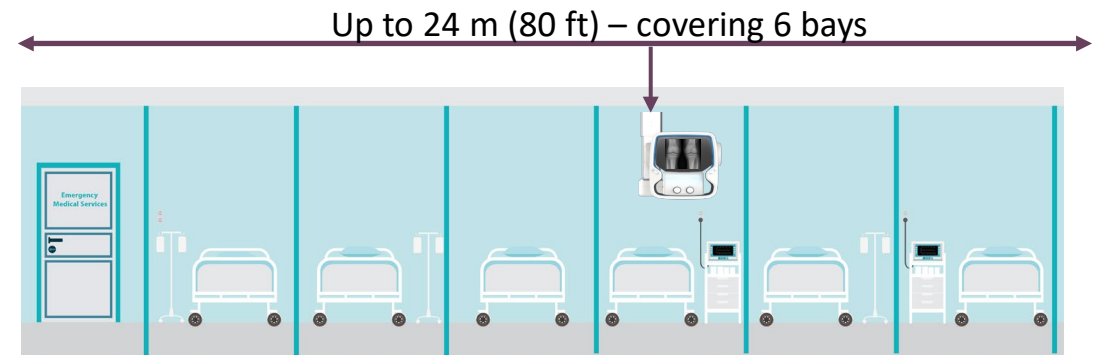
UNSTABLE PATIENTS
It must be easy to move the system to required position. Patient handling must be careful to ensure the patient condition or injures worse.

GOOD RESULT FIRST TIME
High quality radiographic images must be taken quickly, and good result first time is a must.



IDEAL FOR MULTI-BAY COVERAGE

- Up to 24m coverage
- Quick motorised movement between bays



Minimal Positioning of Patients

- Easy and quick move the OTC to the correct bay
 - Auto positioning (Precision i5).
 - Easy accessible buttons (Intuition). (full control)
- The OTC is very easy to fine-tune into the exact position needed.
- Motorized movements of overhead tube
- Regardless of trauma situation, the solution will provide the images required without having to move the patient.

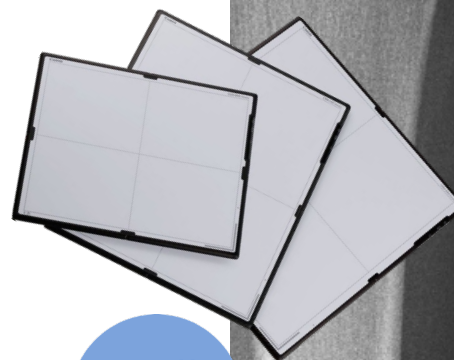
Challenges in Emergency Departments

- TIME IS CRITICAL**
Performing quick or rapid diagnostic examination is critical for saving the patients life.
- UNSTABLE PATIENTS**
It must be easy to move the system to required position. Patient handling must be careful to ensure the patient condition or injuries worse.
- GOOD RESULT FIRST TIME**
High quality radiographic images must be taken quickly, and good result first time is a must.



High Quality Images first time

- **NO GRID NEEDED**
Software simulated grid provides high image quality without using a physical grid. This will save time and eliminates the risk for grid missalignment.
- **HIGH QUALITY DETECTORS**
High DQE ensures low patient dose and high image quality.
- **ADVANCED IMAGE PROCESSING**
Guarantees optimal image quality for different patient sizes to as low dose as possible.



Powered by
Canon
DR

Challenges in Emergency Departments

TIME IS CRITICAL
Performing quick or rapid diagnostic examination is critical for saving the patients life.

UNSTABLE PATIENTS
It must be easy to move the system to required position. Patient handling must be careful to ensure the patient condition or injuries worse.

GOOD RESULT FIRST TIME
High quality radiographic images must be taken quickly, and good result first time is a must.



Resus solution – for both of our X-ray systems



Arcoma Precision i5

- Premium digital X-ray system
- **Auto positioning**
- Pre-defined anatomic protocols for different patient sizes
- Collimator field size pre-defined
- All info at the display.
 - Patient name
 - Preview image
 - Easy to change settings direct on the display



Arcoma Intuition

- Premium digital X-ray system
- **Motorized vertical movements**
- Pre-defined anatomic protocols for different patient sizes
- Collimator field size pre-defined (option)
- All info at the display.
 - Patient name
 - Preview image
 - Easy to change settings direct on the display

”

The ceiling mounted Arcoma Precision OTC that can be easily moved between the beds without taking up floor space resulted in a unique system solution that has proved to be world class.

The London Royal Hospital, UK



- The Royal London Hospital treats over 1,400 injury patients annually, more than any other center in the UK.
- It is unique in its provision of emergency care with a resident Accident & Emergency Department consultant available 24/7/365.
- The Royal London Hospital is known for its world-class trauma care. In this resuscitation center there is a need for capacity to handle large numbers of trauma patients with limited floor space available and immediate access to x-ray equipment.



”

The Arcoma Intuition Resus solution with auto tracking and light weight tube provides a high-throughput flexible solution.



Rigshospitalet, Denmark



- Rigshospitalet is a highly specialized hospital which, with a few exceptions, covers all medical specialist areas.
- Rigshospitalet has more than 100 highly specialized departments and functions, combined with research and training/education.
- The Challenge was to have the resus clinic equipped with world leading equipment to support the hospital vision.

”

The Arcoma Precision Resus solution with ceiling mounting and auto positioning here provides efficient and high quality exams.



Musgrove Park Hospital, UK



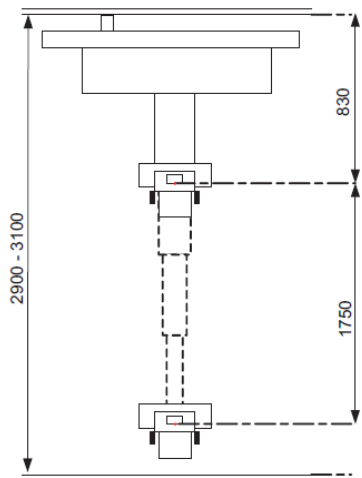
- Musgrove Park Hospital is a district general hospital, providing care to a population of over 340,000 with over 700 beds, 30 wards, 15 operating theatres and a fully equipped diagnostic imaging department.
- Every year the hospital receives around 56,000 patients who attend their emergency department with around 235,000 diagnostic imaging examinations.
- The challenge in this installation was to have the Resus Clinic equipped with world leading equipment to support the hospital requirements for throughput and imaging quality.

Video Example

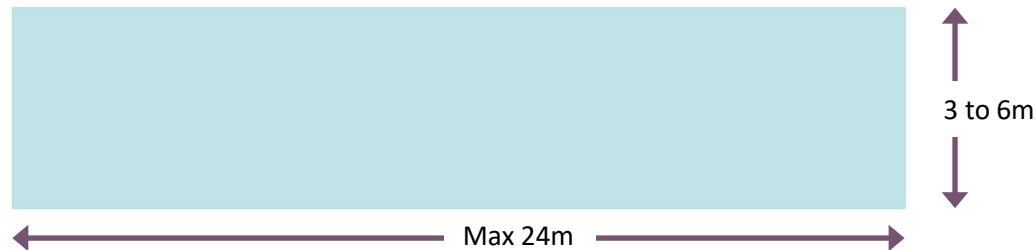


<https://www.youtube.com/watch?v=fmN-5dDMKuo>

Specifications – Arcoma Precision i5 installation



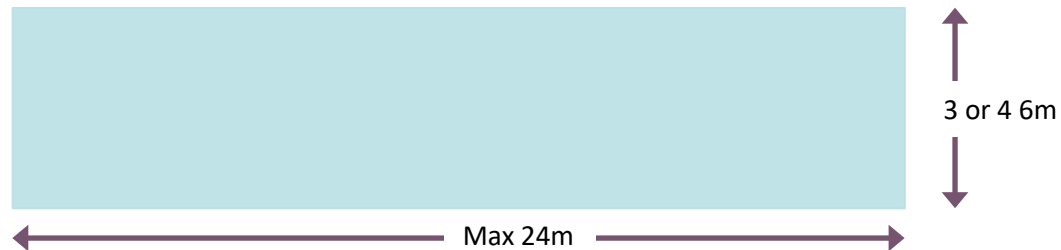
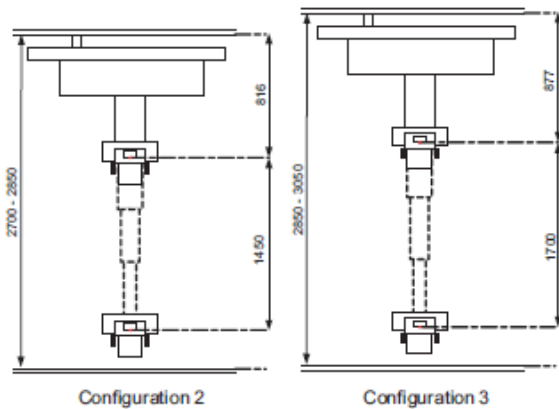
- X-ray System Type:
Motorized, auto positioning OTC.
- X-ray Generator Rating:
50 kW, 65 kW or 80 kW; 40-150 kV, 630 mA, 800mA or 1000mA
- Bay Coverage:
Typically 4 bays per ceiling system (depending on the final width for each bay).
- X-Ray Tube
400 kHu high-capacity tube, 0.6/1.2mm focal spot, 12 degree target angle
Option: 600 kHu
- Collimator and DAP
Automatic collimation, Integrated DAP, LED light and laser line alignment



Specifications – Arcoma Intuition installation



- X-ray System Type:
OTC with motorized vertical movements
- X-ray Generator Rating:
50 kW, 65 kW or 80 kW; 40-150 kV, 630 mA, 800mA or 1000mA
- Bay Coverage:
Typically 4 bays per ceiling system (depending on the final width for each bay).
- X-Ray Tube
300 kHu high-capacity tube, 0.6/1.2mm focal spot, 12 degree target angle
Option: 400 or 600 kHu
- Collimator and DAP
Automatic collimation, Integrated DAP, LED light and laser line alignment



THANK YOU

Arcoma AB | Annavägen 1 | 352 46 Växjö | Sweden



PHONE

+46 470 70 69 00



EMAIL

service@arcoma.se



WEBSITE

www.arcoma.se