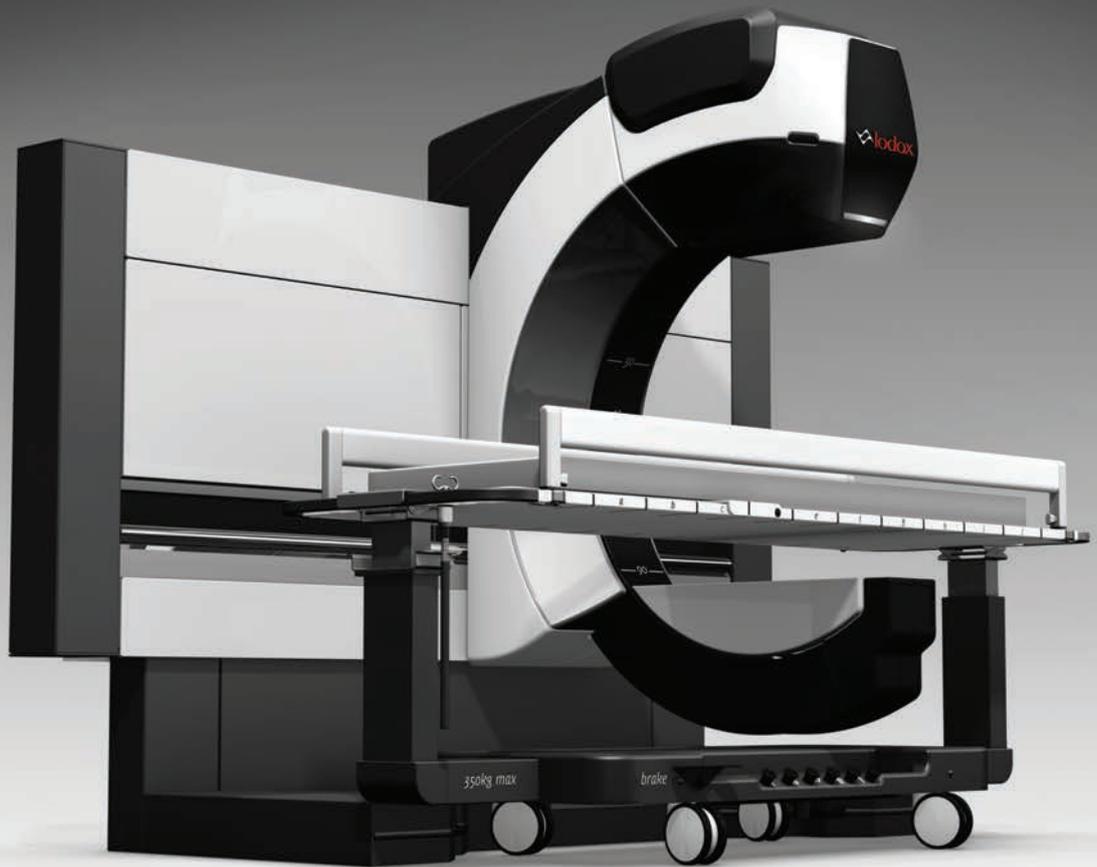


A SHIFT

in digital radiology





Full-body, high-speed digital radiology
with low radiation emission and scatter

Xmplar-dr

FULL-BODY

Lodox is the only DR system that provides a single (non-stitched), high-resolution radiographic image of the entire body (up to 1.8 m / 6 ft body length).

Lodox visualises skeletal, chest and pelvic pathologies 'all-in-one', and more accurately than conventional X-ray, in the primary trauma survey.³

Full-body imaging allows a better understanding of the patient's entire injury pattern.⁴

Lodox allows optimised studies of smaller areas for detail of critical or pre-surgical pathologies.

HIGH-SPEED

X-ray of the entire body in 13 seconds.

A full-body trauma imaging study in two planes in 3 - 5 minutes.⁵

Rapid acquisition of radiographic detail is particularly important in ATLS resuscitation, where time predicts outcomes.¹

LOW RADIATION

Radiation emission is significantly lower than for conventional X-ray equipment (average 6 % of conventional exposure 1, 0.12 mGy entrance dose ⁶).

Radiation scatter is minimised by the Lodox beam and detector configuration.

Together, these features improve safety for staff, significantly reduce radiation dose to patients, and allow uninterrupted resuscitation during imaging.⁷

...miss nothing. faster.

PAEDIATRICS

Significantly lower radiation dose and high diagnostic image quality make Lodox a first-choice for paediatric poly-trauma, providing more comprehensive and efficient triage imaging.^{4,8} The shorter examination time requires a lower degree of patient compliance and the low level of scattered radiation allows concurrent resuscitation.^{4,8}

BARIATRICS

The open C-arm design improves accessibility for imaging of large patients and the load-bearing design of the bariatric trolley permits weight up to 300 kg (660 lbs). **The unique, focused fan-beam of the linear slit-scanning technology improves image quality by reducing large-patient scatter degradation.**

FORENSICS

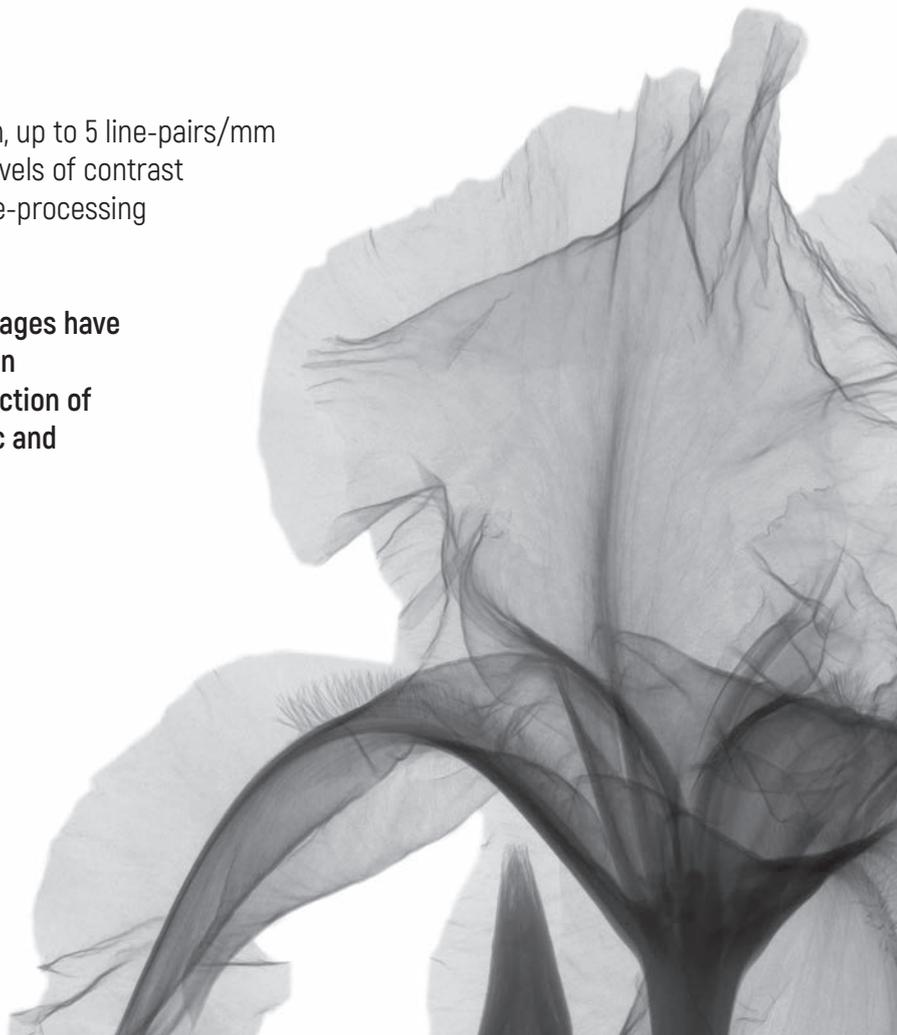
High-speed, full-body imaging reduces the time for autopsy examinations (which may be especially useful in the case of religious groups that require expedited burial).⁹ Rapid localisation of foreign bodies with multiple views can benefit criminal investigations.¹⁰ **The full-body, low-radiation format makes Lodox imaging safer and easier for staff⁹ and could improve the workflow in busy forensic pathology laboratories.¹⁰**

IMAGE QUALITY

Lodox images have a pixel size of 60 μm , up to 5 line-pairs/mm of spatial resolution and > 16000 grey levels of contrast resolution supported by patented image-processing and viewing software.

Lodox high-definition, high-contrast images have been found to be equal to or better than conventional X-ray images for the detection of thoracic, pulmonary, mediastinal, pelvic and peripheral injuries.⁴

www.lodox.com





exemplar | ɪg'zɛmplə /
n. one that is worthy of
imitation; a model

The Lodox full-body X-ray machine plays a significant role in the initial management of the trauma patient, and is an **important advance** in the trauma imaging repertoire.¹

The effectiveness and high speed of imaging dramatically **reduce the resuscitation time** of patients with major injury, and allow imaging of a large number of patients in a very short time.¹

The **remarkable detection rate** for treatment, low radiation dose and speed at which the whole body can be evaluated are advantages in the primary survey of acute trauma patients.²

Lodox provides a **time-saving, low-dose investigation** for emergency units which interferes minimally with initial resuscitation.³

...the Xmplar for trauma.



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-Lodox and Xmplar-dr are CE-mark, FDA, ISO 9001 & ISO 13485 accredited



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