

Y.Access100

Versatile overhead-suspension X-ray system



- Very versatile with free floor space, even for large parts
- Customized design based on standard modules
- CNC for teaching reproducible inspection programs
- Wireless remote control

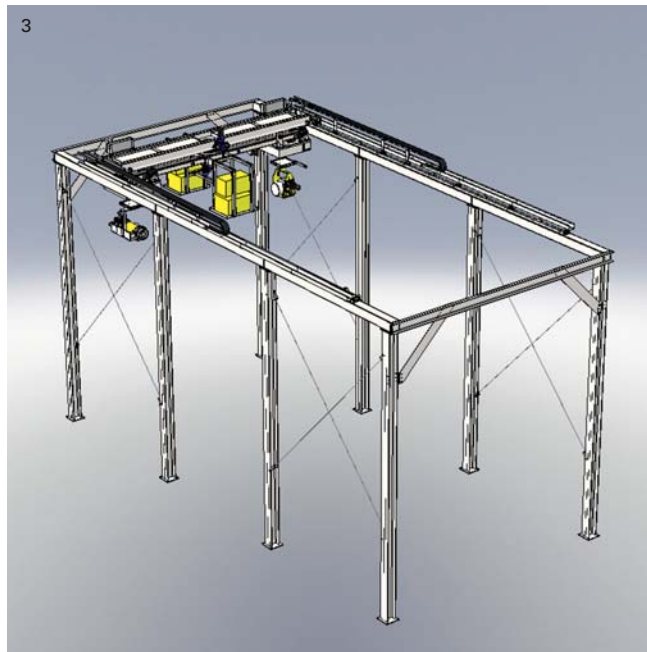
Y.Access100 is an X-ray inspection system that uses an overhead-suspension scanning manipulator in radiation-shielded rooms.

Available in multiple configurations (160 to 450 kV) from a single-carriage system for film to a dual carriage system, including tilt and pivot-mounted systems equipped with an image intensifier or digital flat-panel detector, Y.Access100 is an ideal solution for inspecting larger parts in the pipe, vessel, automotive or aerospace industries.

While based on standard modules, each system is individually designed to meet your specific needs in order to provide the most versatile solution inside a new or existing bunker shielded against X-rays.

It can be mounted on the ceiling, the wall or on a special floormounted steel frame for easy installation on uneven walls and to avoid unnecessary wall-bearing loads.

YXLON. X-ray technology at its best.



- 1 Tilting unit for X-ray tube
- 2 Tilting unit for flatpanel with motor and camera
- 3 Y.Access100 pivot mounted on steel frame

Y.Access100

The X-ray inspection system is based on a versatile scanning manipulator functioning from overhead equipped with one or two belt suspension systems on a transverse carrier. Depending on the size of the bunker, the cooler and generator can be placed separately on the suspension to avoid lengthy highvoltage cables. The extendable manipulator can be controlled inside the exposure room via local pendant control or optionally via wireless remote control to assist in lining up an optimal exposure.

Single-carriage solution

The single-carriage solution is designed to expose films conveniently. The X-ray tube can be lowered to 300 mm above floor level and provides a tilt of +45° to -90°. For instance, films placed on the floor are exposed at -90°.

Dual-carriage solution

The dual-carriage solution is suitable for film exposure, radioscopy or digital radiography. The X-ray tube and detector are mounted on separate belt suspension systems providing a variable FDD over a wide range. In the case of radioscopy or digital radiographic operation, the axes are interlocked and move parallel to each other using merely one joystick. The detector can be tilted to $\pm 30^\circ$. For special operation, e.g. to expose film, this interlock can be bypassed. The optional motorized tilt for detector and X-ray tube ensures a fixed alignment. Since the suspensions are mounted on jointly used rails, they can be placed randomly to enable the scanning of complex patterns. The suspensions are equipped with interactive anti-collision devices.

Dual-carriage solution with pivoting suspension

The pivoting suspension allows even more flexible imaging without repositioning the inspection item. The pivot angle for a standard configuration is $\pm 30^\circ$.

Optional items for the Y.Access100

- Steel frame – a rugged steel construction
- Overlay image – ideal for text on top of the digital image
- CN control – 4 to 12 axes controlled via CNC computer
- CCTC – up to 4 cameras installed inside the bunker
- Digital imaging – use of digital flat-panel detectors

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Technology with Passion



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