

Y.MU2000-D for Wheels & Tires

100% safety in your application



- Optimally adapted to the inspection task
- Roller bracket for unmachined wheels
- Rotational axis for machined wheels with tires
- Builds on the basis of the successful Y.MU2000-D universal inspection system

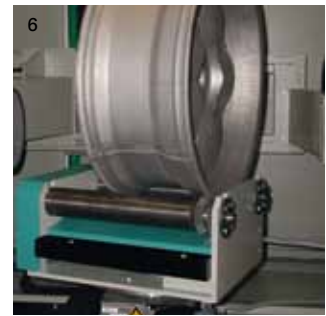
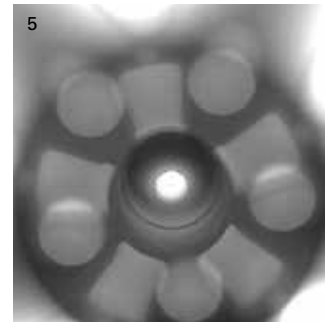
YXLON International, a leading supplier of industrial X-ray inspection systems for the non-destructive testing of materials, offers a solution that has proven itself on the market to support you during radiographic examination: Y.MU2000-D, the universal X-ray system. As the best-known standard inspection system from YXLON, it has been sold more than 350 times since it was launched.

In light of the special requirements posed during tire and wheel inspection, YXLON has developed manipulators that are optimally adapted to match the inspection task. As a result, spot-check samples and small-scale series can be examined quickly and simply.

Due to the concept of decoupled manipulators, meaning that the X-ray source and detector travel independent of the particular inspection item, optimum use is made of the inspection envelope while requiring proportionately little space, even for large inspection items.

Equipped for up-to-date use with modern digital flat-panel detectors and Y.HDR-Inspect technology, Y.MU2000-D supplies brilliant image quality displaying high contrast. Outstanding detail detectability and simple, intuitive operation enable a high throughput, yet without compromising the certainty of inspection decisions made with assurance.

YXLON. X-ray technology at its best.



- 1 Illustration, rotational axis
- 2 Photo, rotational axis
- 3 Wheel alignment in X-ray
- 4 Photo, roller bracket
- 5 Radiographic image of an unmachined wheel
- 6 Wheel on roller bracket

Rotational axis for machined wheels with and without tires

The additional rotational axis with quick-release skewer is designed for inspecting machined wheels with and without tires. The wheel hub is fixated using the quick-release clamp on the skewer. This enables precise inspection during rotation. With the help of tangential radiographic images across the entire 360° range, the tire's inner alignment or the position of the belt plies can be easily tested.

Roller bracket for unmachined wheels

The roller bracket allows a 100% inspection of the cast wheel in an unmachined state. This makes it possible to conduct a simple spot-check sample inspection in the vicinity of casting machines. Using the additional rotary axis, the wheel can be inspected completely without having to reposition the wheel by hand.

YXLON

Technology with Passion

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Technical data

Inspection item	Y.MU2000-D, 160 kV
Inspection item dimensions	Max. width 350 mm, Max. outer diameter 620 mm
Inspection item weight	Max. 60 kg
Radiation-shielded cabinet	
Width x height x depth, approx.	2,000 mm x 2,700 mm x 1,800 mm
Weight, approx.	4 t
Control console	
Width x height x depth, approx.	1,200 mm x 1,800 mm x 1,300 mm
Power supply	1 x 230 V, 50/60 Hz
Power input	max. 5 kW
Weight	250 kg
Travel routes	
Magnification	640 mm (max. 15 m/min)
Horizontal axis	650 mm (max. 15 m/min)
Turntable (Ø 400 mm)	n x 360° (max. 8 rpm)
Hub axis	900 mm (max. 15 m/min)
Tilt	±30° (max. 7°/s)
Rotation	n x 360° (max. 6 rpm)