

Automatic Tire Inspection

XT01-1400-120

Doc.: Product Info Sheet XT01-1400-120 Rev05



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THE X-RAY SOLUTION



by Christoph Grohmann

Automatic Tire Inspection

The **XT01-1400-120** is equipped with two **heavy duty** roller conveyors for manually single loading / unloading for inspection.

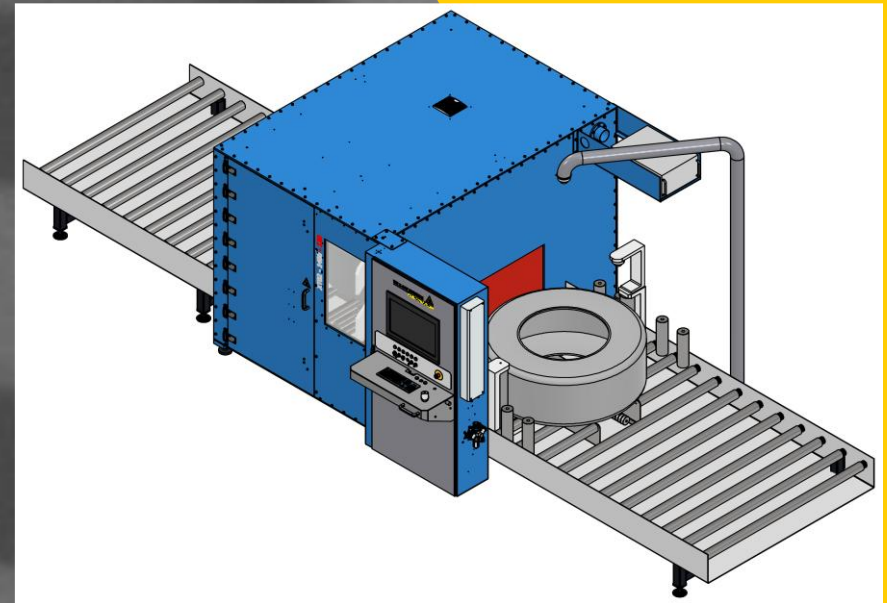
With its 120 kV X-ray source and digital line scanner: set of two L-shaped scanners it is an excellent offline system for a high diversity of tire sizes.

The compact concept enables individual loading of tires up to 1400 mm in diameter - **THIS XT01-1400-120 HANDLES ALL.**

Parts Parameters

- ✓ Tire size up to 1400 mm
- ✓ Tire height max. 510 mm
- ✓ Tire weight max. 160 kg

XT01-1400-120 is designed for offline processed automatic inspection of tires. The system reaches its high level of functionality while being compact with a small footprint. The combined features make **XT01-1400-120** a unique inspection system.



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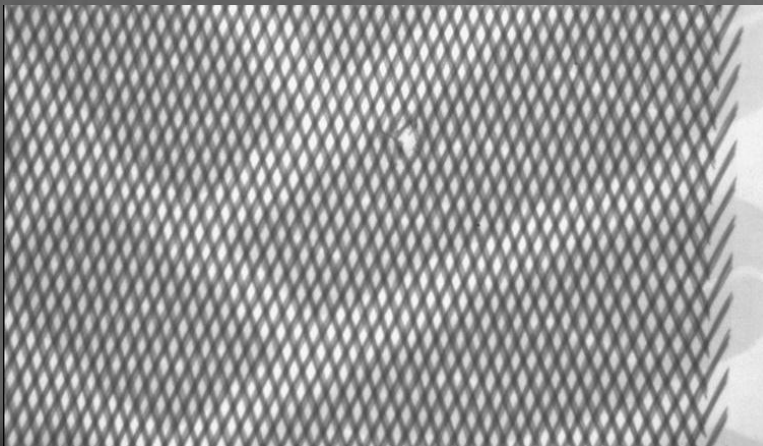


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Thanks to its U-scan technology with integrated width-adjustment for different width of tires, **XT01-1400-120** reaches all necessary inspection areas without any dead-zones. High performed fully controlled servo axes makes it one of the fastest offline inspection system.

Based on integrated automatic type recognition, **XT01-1400-120** can be used for different tires without any delays. Type and size of next tire will be recognized while the previously loaded tire is under inspection process. Vision software is automatically reading barcode or clear-text at the side flange of the tire to start the correct inspection program.



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ADR Software

The user interface of the ADR software is structured very straightforward, and a lot of visual tools support the user setting of a specific inspection program within short time and in an intuitive and easy to learn fashion.

The human machine interface is designed according to the rules of ergonomic workplaces and is to be used for regular operation as well as teach-in process.

A wide safety window allows excellent view into the inspection and handling process.

Special Features

- ✓ Manual, Semi-Auto and Automatic Mode
- ✓ Sampling Mode
- ✓ Automatic Image Quality Check
- ✓ Automatic and visual image filters
- ✓ Zooming



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General Features

- ✓ Fully automated Offline System
- ✓ Brilliant Image Quality
- ✓ 120 kV X-ray System
- ✓ Two Digital L-shaped scanners
- ✓ Automatic Type Recognition
- ✓ Automatic Defect Recognition - ADR
- ✓ Integrated heavy duty roller conveyors for highest throughput

Special Features included

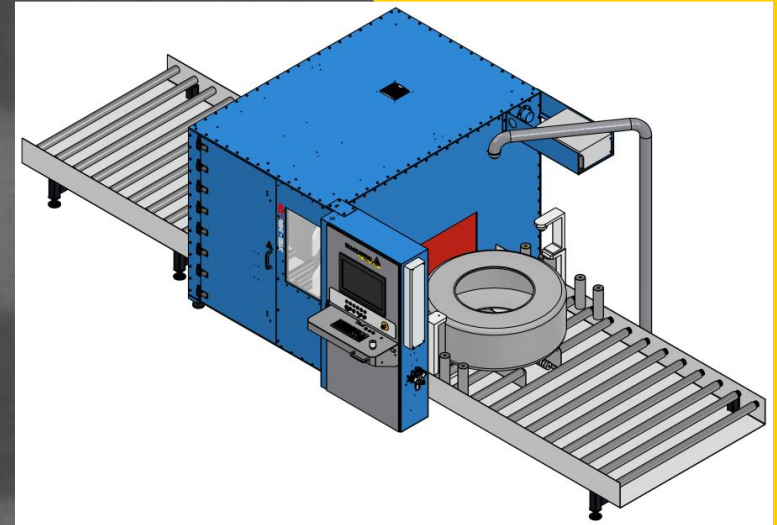
- ✓ Re-check and Sampling
- ✓ Surveillance Cams and Tele-maintenance
- ✓ Auto Image Quality Check for Sensitivity and Resolution
- ✓ Automatic Shutter System
- ✓ Statistical Database

Technical Data

- ✓ Dimension including conveyors: 8216 x 2915 x 2120 mm (LWH)
- ✓ Dimension of X-ray cabin: 2013 x 3425 x 2120 mm (LWH)
- ✓ Weight: 8 metrical tons
- ✓ 3P~/N/PE, 400V, 50/60Hz, 25A

Options

- NOK Ink Marking
- Robot Handling for Loading/Unloading
- OK / NOK Separation



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Automatic Tire Inspection

Our Commitment

- ✓ Highest Level of German Machine Design and Quality
- ✓ World-class Components like Siemens PLC and PC, SEW
- ✓ System Concept: immediate ready to use
- ✓ Industry 4.0
- ✓ TUV Approval Certificate
- ✓ 2 Years Guaranty
- ✓ Service Contract with 24/7 Support
- ✓ Sustainability



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FOR MORE INFORMATION, PLEASE CONTACT
contact@thexraysolution.de

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Contact Addresses



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