



ITALMATIC INTACT 1360-X
Efficient in-line quality control
in tire production.



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ITALMATIC INTACT 1360-X

Top performance for the in-line inspection of new tires:
Proven quality for maximum safety.



MAXIMUM INFORMATION BENEFIT FOR PRODUCTION

- Visibility of unavoidable defects (e.g. separations, etc. due to foreign object inclusions)
- Detection of defects which are not visible or are very difficult to see by means of x-ray procedures (especially in the truck/bus area)
- Results database with compressed image data
- Optimization of production processes through traceability and simple classification of test results



READY FOR INTEGRATION INTO EXISTING PRODUCTION PROCESSES

- MES interface as Web API
- Standardized interface to external conveyor systems
- Designed for 24/7 operation



EASY OPERATION

Operation of the ITALMATIC INTACT 1360-X is particularly easy - very fast start-up even without expert knowledge.



WORLDWIDE SERVICE

Worldwide service and support - including spare parts supply - is ensured by the global ITALMATIC organization.



HIGH ECONOMIC EFFICIENCY

Reduce rejects and claims through tested tire quality:

- Continuous process optimization through early detection of production problems
- Low testing costs per tire due to high quantity capacity
- Simple, fast system diagnosis
- No calibration required
- Fast support and availability of spare parts guarantee a minimization of downtimes



10 high-resolution measuring heads for maximum performance

- Extremely short test times:
approx. 65 car or truck/bus tires/hour
(bead-to-bead)
- Maintenance-free cameras
- Automatic, high-performance measuring head positioning based on the detected tire dimensions
 - Simple, fast and reliable testing process
 - No inspection specifications required
- Easy evaluation of test results with user-friendly software

With the shearography tire inspection system ITALMATIC INTACT 1360-X, you can bring your quality assurance of new passenger car and truck/bus tires to a new level. The innovative sensor technology with ten simultaneously working, high-resolution measuring heads provides enormous performance, even for high production volumes: **Check a complete tire in less than one minute (bead-to-bead), including loading and unloading!**

Technical Data

FEATURES	ITALMATIC INTACT 1360-X
Number of measuring heads	10 high-resolution cameras
Technology	maintenance-free spatial phase shift
Inspection capacity	bead-to-bead: 65 tires / hour (+/- 4 %)
Tire sizes	12" ID up to 1340 mm AD (bias or radial)
Tire width	min. 120 mm / max. 550 mm
Defect size	1 mm or larger
Defect type	separations in tread, shoulder, bead and sidewall area
Positioning of measuring head	fully automatic due to tire size recognition
Display of results	all tested sections with zoom function
Result classification	by operator
Storage of test results	SQL data base with compressed results
Loading/unloading	integration into existing conveyor systems, automatic tire flipper
Transport direction	from right to left side (option: from left to right side)
System diagnosis	automatic system test
Remote service	via internet
Painting	basic unit: RAL 740 Y (light grey) RAL 9011 (graphite black) moving parts: RAL 1003 (signal yellow) safety grid: RAL 9011 (graphite black) / RAL 1018 (zinc yellow) (option: according to customer specification)
Environmental conditions	+ 10° C up to + 40° C; difference between tire and ambient temperature max. +/- 10° C
External connectors	380-480 V, 25 A 6 (optional 8) bar
Dimensions	7.3 m x 3.1 m x 2.3 m (L x W x H)
Weight	approx. 5,600 kg, basic unit 3,300 kg

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