



Unicomp DR

UNL X-ray intelligent test equipment is dedicated to the NDT inspection of automobile wheels, exclusively developed by Unicomp Technology. Used for the inspection of defects in car wheel rims (porosity, cracks, retractions, foreign objects and other defects), it can be configured with Unicomp's automatic defect recognition (ADR) module. It is an efficient in-line automatic inspection equipment.

Functions and Feature



1

Fully automatic intelligence, high stability:
Configurable ADR defect recognition,
24h operation, Low failure rate;



2

High security:
High level of protection, radiation meets
national standards, Set up multiple security
protection measures;



3

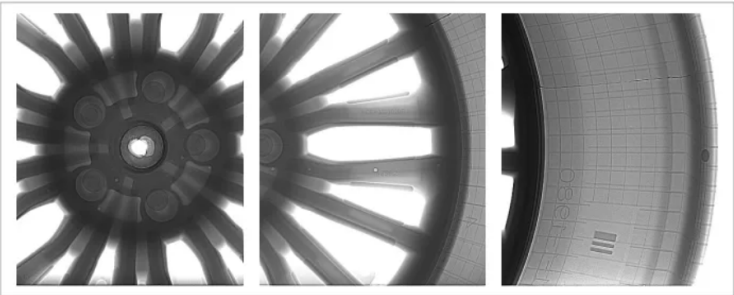
HD image processing:
Wheel hub special X-ray imaging system
with the best image conditions for
high definition imaging.;



4

High Productivity:
Linked directly to the production line
with high efficient CNC inline inspection;

Inspection Image



Parameter

System Summary	
Footprint	3500*2579*2259mm
Machine Weight	6000KG
Radiation Dose	< 1μSv/h
Power Supply	380AC/50Hz
Power Consumption	9 kW
X-Ray Tube	
X-ray tube type	Seperated
Focal Spot Size	0.4/1.0
Voltage	160kV
Light Tube Power	800W/1800
Imaging Detector	
Detector	Amorphous Silicon
Pixel Size	120μm
Motion Control System	
Motion control mode	Manual&Automatic
Maximum loading weight	50KG
Inspection Mode	Inline DR
Wheel Rim Diameter	13-24"/14-26"
Software system	
Embedded ASTM E505/E155 Reference Radiographs	Easily for defect review and comparing Integration of ADR feature
Multiple Image Algorithms	One-click enhancement, Filtering, Augmentation, Superposition, etc
Multiple measuring tools	Distance, Angle, Diameter, Area, etc
Multiple inspection modes	CNC automatic inspection, Teaching, Manually inspection
Others	
WheelsType Identification	Automatic Visual Recognition
Radiation Dose	≤1μSv/h
Console	Seperated Console
Image Quality Monitoring	Automatically Image Quality Monitoring
*Specifications are subject to change without notice, All trademarks are the property of the system maker.	

Footprint

