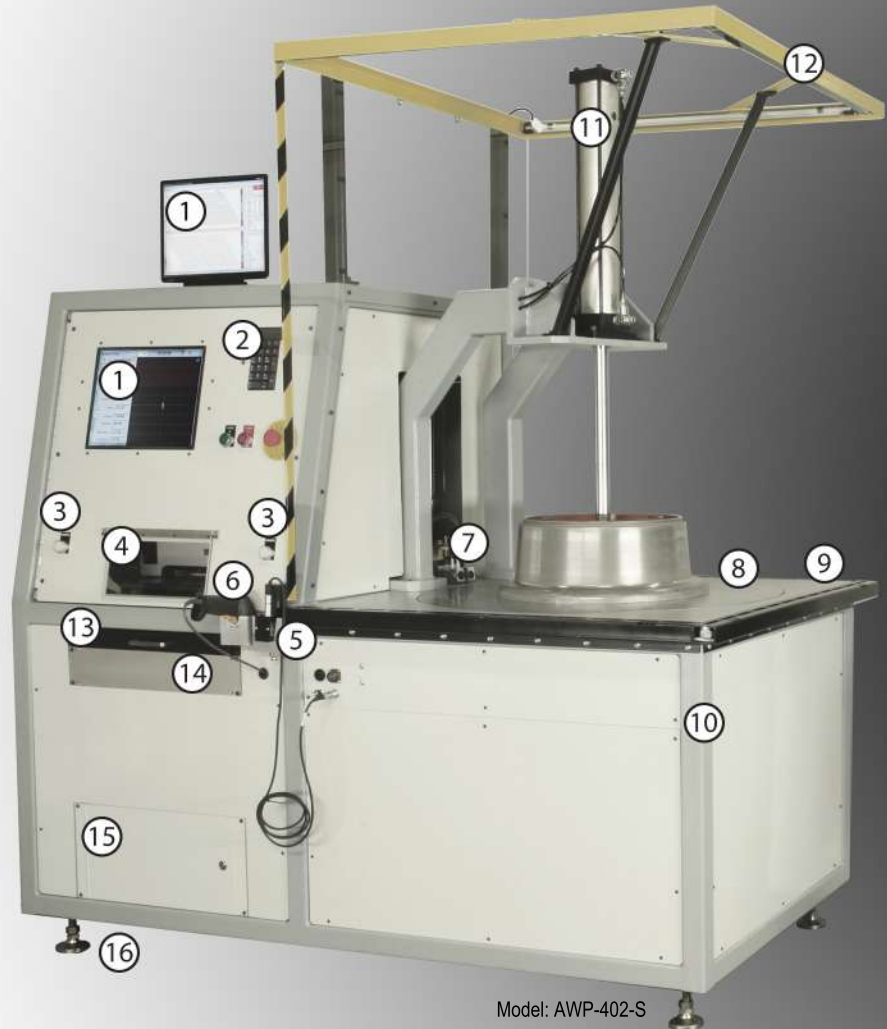


ANDEC - Wheel Tester

Test Any Standard Half of Whole Wheel

System Features:

- 1 - High resolution COLOUR displays show scan result in strip chart, C-scan, Waterfall Plot and realtime instrument a-scan
- 2 - 21 button keypad for operator recall of wheel type to be tested, eg 332 for A310 main inboard. Wheeltype profile and scan parameters are stored in computer memory after initial setup
- 3 - Two handed safety buttons, raise/lower the wheel centering cone, start automatic test scan and engage safety light curtains
- 4 - High resolution colour printer behind hinged door for printout of colour scan results
- 5* - High speed probe rotator for bolt hole inspection. Point probe for handheld testing on any area of wheel. Conductivity probe for conductivity measurements on any area of wheel.
- 6* - 2D bar code reader for fast error free setup and data entry
- 7 - Patented Andec contoured probe, provides high sensitivity, high resolution detection of all surface & subsurface cracks with up to 25mm wide scan path helix
- 8 - Chrome plated and polished, heavy steel 19mm (0.750") thick turntable with degree markings for crack location on wheel, and 350KG load capacity, automatically rotating at any speed required up to 500 RPM
- 9 - 19mm (0.750") thick steel top plate
- 10 - Strong welded steel frame
- 11 - Heavy duty custom made pneumatic cylinder with special non-flexing shaft, & safety downward pressure monitoring ensures wheel is properly clamped in correct central position
- 12* - Safety light curtains leaving free access around the wheel and turntable
- 13 - Pullout ASCII keyboard for initial wheel scanning setup and programming of system functions
- 14 - High power, high resolution Eddy Current instrument with settings shown on large colour display
- 15 - Computer with high capacity storage in mirroring configuration, to store test results of any number of wheels for instant recall and archiving. Can be networked to other computers for remote data analysis or storage
- 16 - Adjustable screwpad to provide height adjustment or rubber coated wheels
- 17 - Polished steel cone to provide automatic centering & holding of even the heaviest wheels, without operator assistance



Model: AWP-402-S



System will center and test any wheelhalf, from the smallest to the largest in use

ANDEC MFG. LTD.

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ISO 9001: 2015 Registered

ADVANCED NDE COMPONENTS

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ANDEC - Wheel Tester/ Scanner

Specifications:



Scope of Inspection	Single wheelhalf or whole wheel (attached or unattached)
Surface Inspection	Inspected by patented ANDEC high frequency 'Contour' probe combination featuring at least 25mm (1") active scanning area Inspection areas include the complete tubewell, the bead-seat radius and the flange area Reference defect depth 0.75mm (0.030"), length 1.5mm (0.060"), width 0.1mm (0.004"); EDM notch
Subsurface Inspection	Inspected by patented ANDEC low frequency 'Contour' probe (combined with high frequency probe) Inspection area includes complete inner tubewell area Reference defect size dependant on wall thickness
Option Bolt Hole Inspection	High speed rotary probe holder for tie bolt hole crack detection
Turntable speed	Automatically adjusted turntable speed to match with wheel diameter, up to 500 RPM
Testing Time	Approximately 10 seconds to 1 minute for automatic wheel scan, depending on wheel size and scan helix setting
Wheel Size	Scan Height: from approximately 45mm to 550mm (1.75" - 21.50") Diameter Range: from approximately 150mm to 900mm (6.00" - 35.50") Maximum Weight: >350 KG (770 lbs)
Probe Frequency	300 HZ - 300 KHZ
System Requirement	Power: 220V AC/1.1 KVA, 110V AC/1.1 KVA, 50 - 60 HZ Compressed air: 50 - 100 PSI (3.5 - 7.0Bar)
Maintenance	Very little maintenance is required for the ANDEC 'Wheel Tester'
System Dimensions	Approximately 1800mm (70"0) L X 900mm (35.5") W X 1850mm (73") H
Frame	Heavy duty steel frame