

Paris Mountain Consulting

Inspection Systems and Software

833 Altamont Road, Greenville, SC 29609 864-232-6011 Fax: 864-232-8899

www.parismountain.com

Specifications for AccuScan 2-Probe Inspection With ERO

Analog / Digital Converter		
A/D Conversion	16-bit	
Mechanical Runout Probe		
Other probes available: Pencil LVDT or Half Bridge, Laser, Capacitance. Measuring ranges up to +/- 0.5in		
Probe Type	TESA Auto reversing bi-directional lever probe**	
Sampling Resolution	0.76 μ in	0.02 μ m
Cable length	9 (14 ft with extension)	9 m (4 m with extension)
2s Repeatability***	4 μ in	0.101 μ m
Accuracy***	6.3 μ in	0.16 μ m
Measurement Force	0.36 oz	10 grams
Spindle Pretravel	0.002 in	0.05 mm
Measuring Range	0.012 in	0.3 mm
Overtravel	0.002 in	0.05 mm
Contact Point Diameter	0.079 in	2 mm
Electrical Runout Probe (ERO)		
Probe Type	Bently-Nevada Non-Contact Eddy Current Probe	
Sampling Resolution	1.2 μ in	0.03 μ m
Cable length	3.25, 16.25, or 29.25 ft	1, 5, or 9 m
Linearity	Depends on probe, cable length, and calibration method	
Linear Measuring Range	.040 in	1 mm
Computer Equipment		
Computer	Industrial Rack Mount (call for Latest Specs), CD, Floppy, LAN	
Operating System	Win2000 or WinXP Professional	
RAM	at least 512 Mb	
Monitor	15" LCD	
Printer	Color inkjet (Optional)	
Software Features		
Roughness Filtering	0, 15, 50, 150, 500, 1500 CPR	
Roundness Assessment	Least Squares	
Radial Display Resolution	25 μ in / Division	
Datum Axis Definition	Diameter/Diameter or Face/Diameter	
Auto Correction	Axial and Radial misalignment	
Interrupted Surfaces	Yes, with Auto or Manual settings	
Inspection Modes	Timed, Triggered, Encoded	

All specifications are for standard equipment in our standard configuration. Contact us for information regarding finer-resolution systems or special ordering requirements.

** Other probes available on request: Pencil LVDT or Half Bridge, Laser, Capacitance. Measuring ranges up to +/- 0.5in. Call for specifications.

*** Accuracy and repeatability are for ideal conditions. Overall accuracy will be affected by the precision of the axis of rotation of the measurement system and environmental conditions at the measurement site.

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Specifications for AccuScan 4-Probe Inspection System

Analog / Digital Converter		
A/D Conversion	16-bit	
Sampling Resolution	0.48 μ in	0.012 μ m
Measuring Probes		
Probe Type	TESA Auto reversing bi-directional lever probe**	
Number of Probes	Four	
Cable length	7 ft (14 ft with extension)	2 m (4 m with extension)
2s Repeatability***	4 μ in	0.101 μ m
Accuracy***	6.3 μ in	0.16 μ m
Measurement Force	0.36 oz	10 grams
Spindle Pretravel	0.002 in	0.05 mm
Measuring Range	0.012 in	0.3 mm
Overtravel	0.002 in	0.05 mm
Contact Point Diameter	0.079 in	2 mm
Computer Equipment		
Computer	Industrial Rack Mount (call for Latest Specs), CD, Floppy, LAN	
Operating System	Win2000 or WinXP Professional	
RAM	at least 512 Mb	
Monitor	17" LCD	
Printer	Color Laserjet	
Software Features		
Roughness Filtering	0, 15, 50, 150, 500, 1500 CPR	
Roundness Assessment	Least Squares	
Radial Display Resolution	25 μ in / Division	
Datum Axis Definition	Diameter/Diameter or Face/Diameter	
Auto Correction	Axial and Radial misalignment	
Interrupted Surfaces	Yes, with Auto or Manual settings	
Inspection Modes	Timed, Triggered, Encoded	

All specifications are for standard equipment in our standard configuration. Contact us for information regarding finer-resolution systems or special ordering requirements.

** Other probes available on request: Pencil LVDT or Half Bridge, Laser, Capacitance. Measuring ranges up to +/- 0.5in. Call for specifications.

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Specifications for 1000 lb Stacking System Rotary Table

1000 lb System Rotary Table Specifications		
Radial Accuracy	5.0 μ in	0.125 μ m
Axial Accuracy	5.0 μ in	0.125 μ m
Coning	1.0 μ in/in	(0.025 μ m/25mm)
Weight Capacity	1000 lb	454 Kg
Centering Adjustment	0.125 in	3.18 mm
Tilt Adjustment	1 deg	
Table Diameter	10.6 in	0.27 m
Tilt/Center Fixture Diameter	18.0 in	0.457 m
Air Supply Requirement	80-90 psi, dry to 35F	
Operating Speed	1 RPM / 2 RPM	
Power Requirements	110 Volts @ 60Hz	