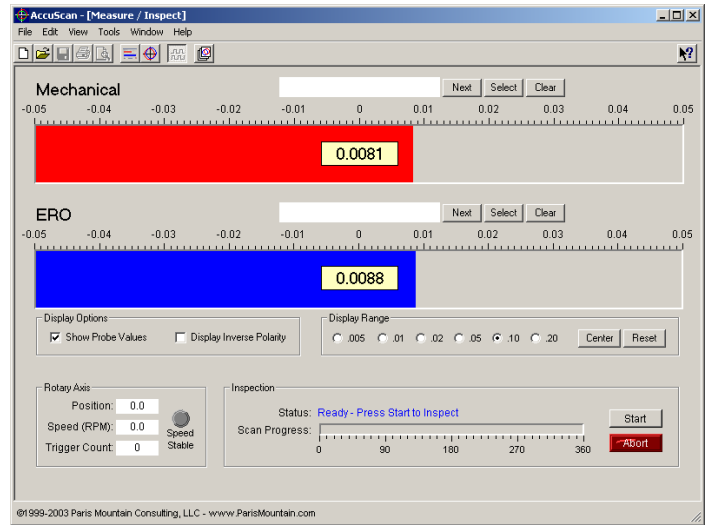
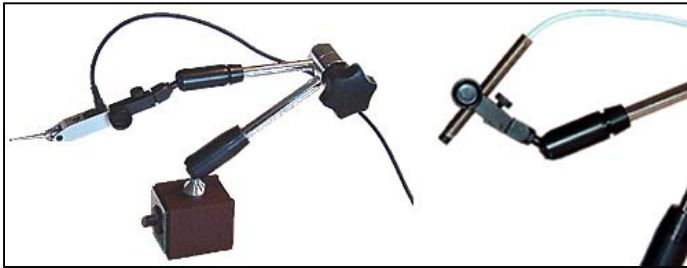


AccuScanTM

2-Probe Runout Inspection System
with ERO

Measure Both Mechanical and Electrical Runout

The AccuScan 2-Probe Inspection System has an electronic indicator for measuring pure mechanical runout, and an integrated Bently-Nevada Proximitor for measuring “electrical runout”, or ERO. The probes can be used individually or simultaneously.

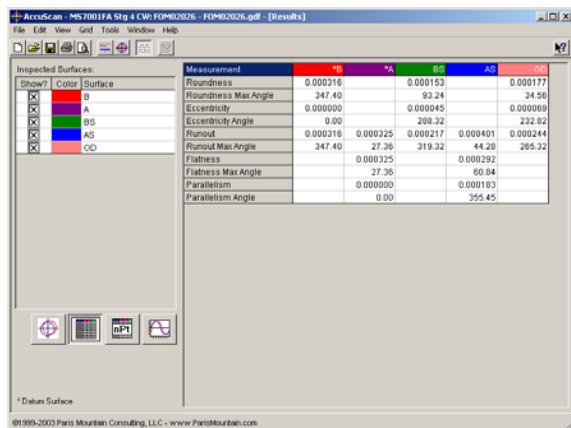
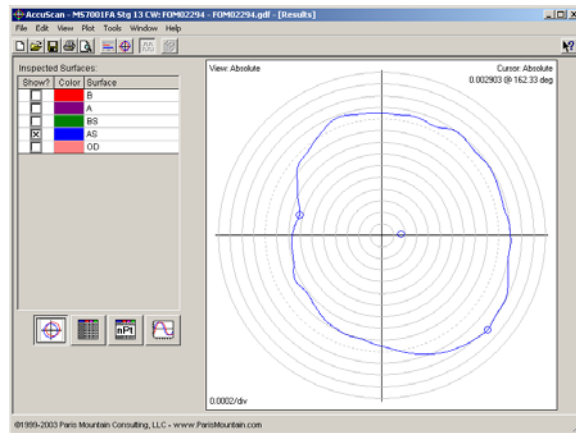
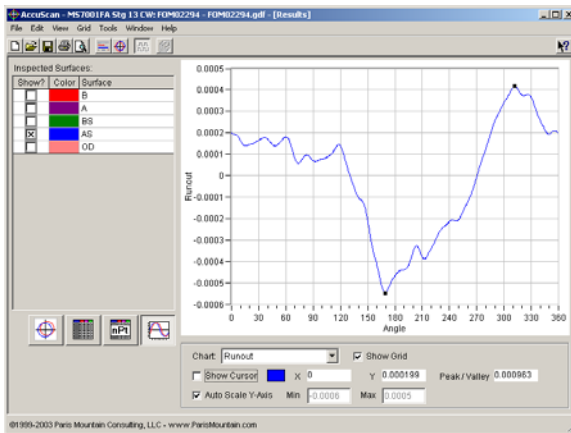


Easy to Set-up, Easy to Use

AccuScan can be quickly set up to measure parts in V-blocks, a lathe, grinder, or other machine tool. The entire inspection process takes only minutes, and can be done by just one person. Data can be saved, printed, exported and emailed to your customers.

Graphical Output

Inspection results can be viewed in several different ways, and runout data can be custom-formatted to match customer requirements.



Point	B	A	BS	AS	OD
1	0.00	0.00	0.00	0.00	0.00
2	-0.05	0.21	-0.13	-0.14	0.23
3	0.15	0.26	-0.25	-0.20	0.34
4	0.34	0.14	-0.38	0.09	0.35
5	0.42	-0.01	-0.45	0.12	0.50
6	0.36	0.10	-0.41	0.04	0.56
7	0.12	0.18	-0.29	0.03	0.43
8	0.07	0.07	-0.18	0.12	0.24
9	0.08	-0.11	-0.11	0.24	0.11
10	0.01	-0.13	-0.07	0.10	0.06

Custom-Formatted Runout Data

Low Cost and Quick Payback

AccuScan inspection systems are available in a variety of configurations. Inspection time and manpower can be reduced significantly by using AccuScan, so an AccuScan system pays for itself very quickly. Visit our web site and contact us for further information.



Specifications for AccuScan 2-Probe Inspection With ERO

Analog / Digital Converter		
A/D Conversion	16-bit	
Mechanical Runout Probe		
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.