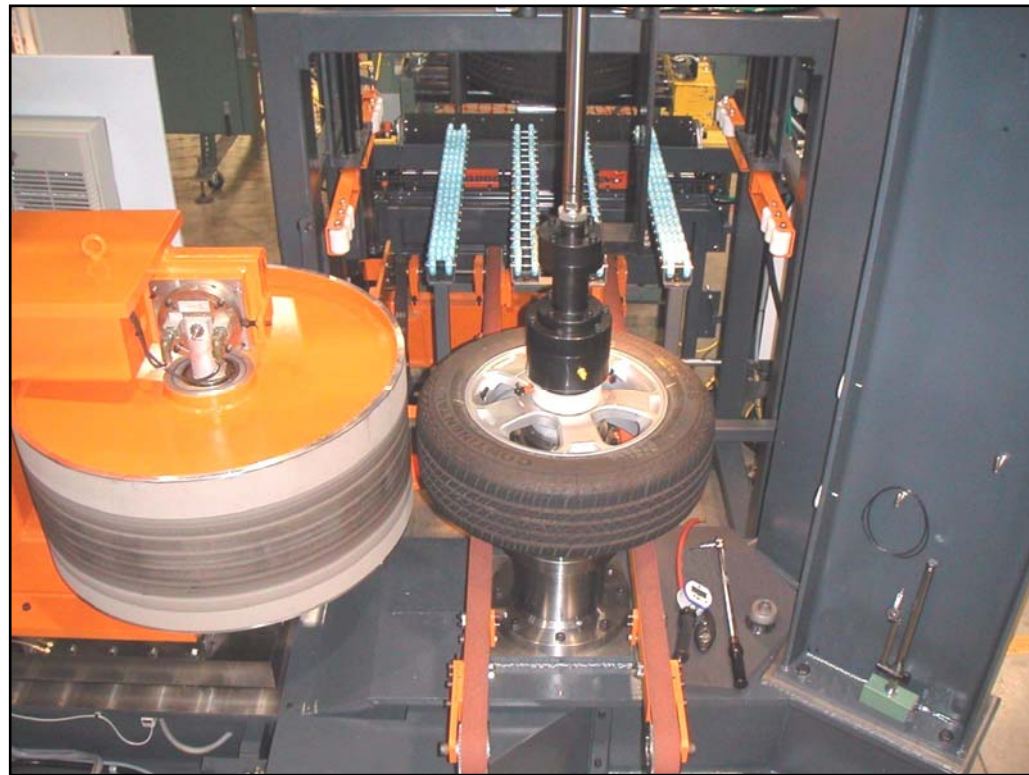


ASTE[®] T/W Uniformity

Tire and Wheel Assembly Uniformity Machine



Micro-Poise Measurement Systems, LLC is a major supplier of Akron Standard[™] and Micro-Poise[®] tire and tire/wheel uniformity and dynamic balance equipment for the tire and automotive industry worldwide. MicroPoise continues to lead the industry by offering the latest technology in new machines, upgrade kits, re-tooling and machine rebuilds for our tire and automotive customers.

Contact your MicroPoise Sales Representative for the latest information available.

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MicroPoise
MEASUREMENT SYSTEMS LLC

Akron Standard[™]

Micro-Poise Measurement Systems, LLC reserves the right to make changes in specifications shown herein, add improvements, or discontinue manufacture at any time without notice or obligation.
Contact your Micro-Poise Sales Representative for the most current information. Windows[®] is a registered trademark of Microsoft Corporation.

April 2007

ASTE[®] T/W Uniformity

Tire and Wheel Assembly Uniformity Machine



- *Fastest cycle time and best repeatability*
- *Ergonomically designed and easy to use*
- *Runs all passenger and light truck tire and wheel assemblies*
- *On-line diagnostics and troubleshooting tools*
- *On-screen real-time waveform analysis*
- *Windows[®]-based, PC network compatible*



..... The best value in the industry!

MicroPoise
MEASUREMENT SYSTEMS LLC

ASTEC® Tire/Wheel Uniformity for Tire and Wheel Assemblies

Machine Capacity

• Bead Diameter Max/Min	25"/13"	
• Tire/Wheel Max/Min Outside Diameter	915/508 mm	(36/20 in.)
• Tire/Wheel Max Section Width	457 mm	(18 in.)
• Tire/Wheel Max Curbside Offset	+127 mm	(+ 5 in.)
• Tire/Wheel Max Car side Offset	-82 mm	(-3.25 in.)
• Wheel Max/Min Center Bore Diameter	116/52 mm	(4.56/2.05 in.)
• Machine Loadwheel Coating Width	393 mm	(15.5 in.)
• Tire/Wheel Loading	1350 daN	(3000 lbs)
• Tire/Wheel Max Weight	55 kg	(120 lbs)
• Conveyor Height (standard)	1270 mm	(50 in.)
• Conveyor Height (optional)	1400 mm	(55 in.)

Tooling

Machine is designed for batch processing

- **Collet / Cap / Check Ring** – Designed for one nominal center bore size
Collapsed collet is .25-.30mm (.010-.012 in.) under nominal size
Expanded collet is .25-.30mm (.010-.012 in.) over nominal size
- **Upper Hold-down** - Clamp Pad
- **Offset Spacer** – Available in 50 mm, 75 mm, and 125 mm widths

Measurement Range Specifications

Standard:		
• Radial Force Variation	60 daN	136 lb
• Lateral Force Variation	56 daN	125 lb
• Conicity ¹	± 56 daN	± 125 lb
• Plysteer ¹	± 56 daN	± 125 lb
Optional:		
• Radial Runout	5 mm	0.2 in.
• Lateral Runout	5 mm	0.2 in.

¹Dual direction test necessary – requires additional cycle time

Machine Performance Specifications

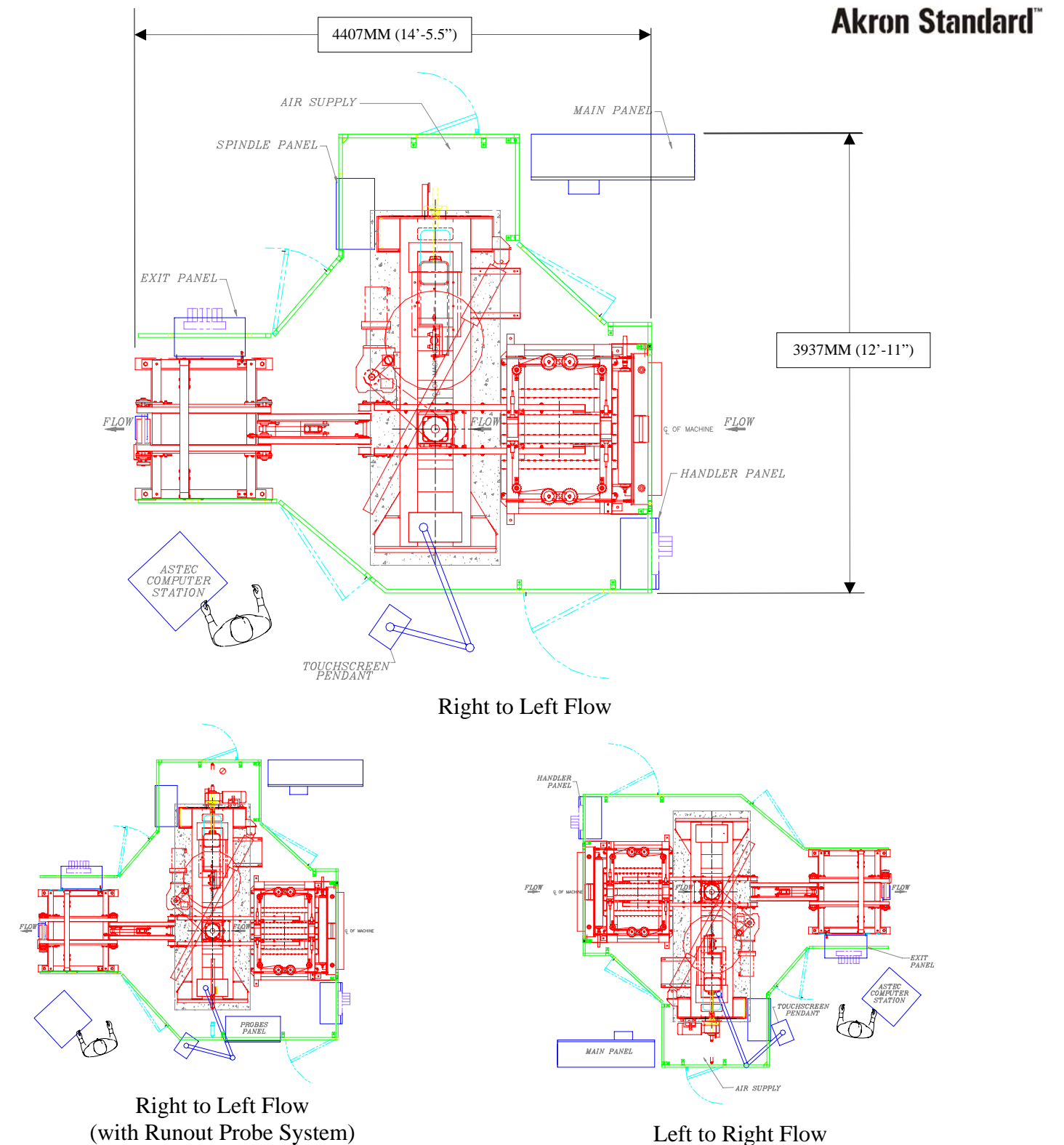
Repeatability ² :		
• Radial Force Variation (σ avg)	.35 daN	.75 lb
• Lateral Force Variation (σ avg)	.28 daN	.60 lb
• Radial Runout (σ avg)	.04 mm	.0016 in.
• Lateral Runout (σ avg)	.05 mm	.0020 in.

Cycle time (Single direction test) 15 sec.

²Based on 8X10 test with ITWRQP reference tire/wheel assemblies

Optional Features

- Radial and Lateral Runout Measurement
- Marking Systems
- Additional Collet Sizes
- Calibration and Alignment Kit
- Reference Tire and Wheel Assembly
- Sorting



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