



Zeiss Prismo Navigator CMM

In recent years, heavy machining projects have become more complex with tighter tolerances. ISO compliance has demanded tighter tracking standards for quality assurance. To ensure ISO compliance, Busch Precision Inc. has added a **Zeiss Prismo Navigator MASS Coordinate Measuring Machine (CMM)** to supplement its wide array of quality machining equipment. The Prismo is the top-of-the-line bridge style CMM, offering maximum flexibility and capability for standard and custom machining projects. Equipped with reverse engineering software, including a Laser LineScan sensor, Busch Precision can now produce a fast profile measurement or accurately generate a point cloud to reverse engineer a broken or undocumented part. Busch is your precise, proven, partner.

CMM Capabilities

- Measuring range: X: 47.24", Y: 70.87", Z: 39.37"
- Max workpiece weight: 11,000 lbs
- MPE_E, MPE_P, and MPE_THP in accordance with DIN EN ISO 10360-2
- Accredited to ISO 17025 by the A2LA accreditation body Certificate # 2216.01
- Scanning speed of up to 13.78"/sec with Navigator technology
- Styli & extension lengths up to 31.5", weights up to 1.32 lbs w/ Vast Gold probe head
- Fixed and articulating heads can be used interchangeably depending on the application
- Laser LineScan sensor and Polyworks® software for analysis of freeform surfaces and reverse engineering: up to 250,000 points/sec can be captured
- Integrated rotary table: 4th axis

Machined CMM Services

Castings Inspection
First Article Inspection
Fixed Gauge Calibration
Parts Inspection
Plastic Components
Inspection
Reverse Engineering

ONE STOP MANUFACTURING AND MACHINING

Busch Precision provides a single source solution for all your machining, manufacturing, repairing, rebuilding, and quality assurance needs. Since 1907, Busch Precision has produced excellence in machining for the energy, mining, military, and metal working industries. Featuring VTC capabilities to machine components and materials up to 56,000 lbs., your production needs, on any scale, will be met with proven precision.

Machining/Grinding Capabilities

- Boring
- CNC Horizontal Boring
- Horizontal Press
- Keyseating
- Lathe Turning
- Planing
- Surface Grinding
- Vertical Turning
- Vibratory Stress Relieving
- Welding

MACHINING/GRINDING SPECS	DIA.	LENGTH
Lathes	to 40"	to 26'
	DIA.	HEIGHT
Vertical Turning/Boring	to 180"	to 101"
CNC Horizontal	up to 56,000 lbs.	
Keyseating/Slotting	All types, sizes	
Precision Surface Grinding	to 16.5'	

Precision Tooling

Materials	Finish	Finish #2	Accuracy	Grade
Aluminum	Ground	Handscraped	to .0001"	N/A
Cast Iron	Ground	Handscraped	to .0001"	N/A
Steel	Ground	Handscraped	to .0001"	N/A
*Granite	Standard	.000100" / .000050" / .000025"		B / A / AA
*Ceramic	Standard	.000025"		AA

*Special Orders

Busch Precision manufactures a complete line of precision tooling products used in inspection, layout, tooling, and quality assurance. With over 300 items in stock and ready to ship, Busch Precision can ship your precision tooling order at a moment's notice.

