



CONCEPT MACHINE TOOL

Inspection Services

Let us utilize our state of the art equipment and experienced applications staff to assist with your inspection needs. Whether you need ongoing inspection support or a source for occasional overflow work, we have the precision equipment and the know-how to get the job done right.

Equipment List as of 7.2011:

LDI Surveyor ZS-4050 High-Precision Laser Scanning System

- 1000mm (40") x 1200mm (48") x 600mm (24") Measuring Range
- SLP500 Laser with 50mm Laser Line Length On Renishaw PH10M Motorized Head
- Scanning Rate of 75,000 Points Per Second with sub 20µm Accuracy
- Surveyor Scan Control Software
- Polyworks Inspector Point Cloud Processing & Analysis Software

Zeiss Contura G2 10/12/6 RDS Coordinate Measuring Machine (CMM)

- 1000mm (40") x 1200mm (48") x 600mm (24") Measuring Range
- Vast XXT TL3 Scanning Sensor with RDS Articulating Head
- Calypso Software

Zeiss Duramax Coordinate Measuring Machine (CMM)

- 500mm (20") x 500mm (20") x 500mm (20") Measuring Range
- Vast XXT TL3 Scanning Sensor
- Calypso Software

Micro-Vu Excel 502UC Automated Vision Measurement System

- 400mm (16") x 500mm (20") x 250mm (10") Measuring Range
- Vision Measurement with up to 1080x Zoom
- Renishaw TP20 Touch Probe for Multi-Sensor Measurement in One Set Up
- InSpec Software

Micro-Vu Sol 161 Manual Vision Measurement System

- 160mm (6") x 160mm (6") x 160mm (6") Measuring Range
- Vision Measurement with up to 720x Zoom
- InSpec Software with Touch Screen PC System
- Available for Short Term Rental Use

Oasis Elite 2348 Instant Optical Inspection System

- 1.83" x 1.47" Field of View
- Simple Programming and Virtually Instant Inspection of Small Parts
- Ideal for Measurement or Sorting Large Batches of Parts
- Available for Short Term Rental Use

Beta LaserMike BenchMike 4050G Laser Micrometer

- 2" Laser Line Length
- High Precision Non-Contact Measurement of Diameters & Other Features
- Ideal for Quick Validation of Pin & Plug Gages
- Fixtures include Fixed V-Block, Adjustable V-Block, and Adjustable Centers
- Available for Short Term Rental Use

All of our inspection equipment has custom reporting software installed allowing us to provide you with inspection reports and statistical summaries in a wide variety of formats.

NEW!

Partial List of Services:

- Part Programming & Inspection
- Reverse Engineering
- Go/NoGo Part Sorting
- Calibration of Vision Systems & Optical Comparators
(Micro-Vu & Deltronic)
- Part to CAD Comparison (error maps)
- GR&R & Capability Studies
- Fixture Design Assistance
- Training Classes (CMT or on-site)



BETA LaserMike



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