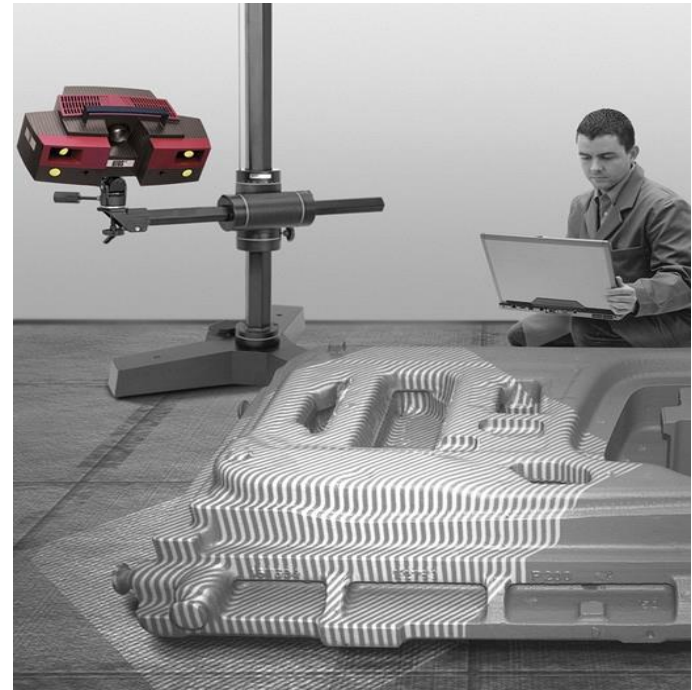


DIVERSIFIED TOOLING

G • R • O • U • P

CLOUD SCANNING

*Atos White Light and Triple
Scan 3D Metrology Solutions*



White Light Scanning

- Accuracy tested against CMM
- Accuracy is 50 microns per meter
- Stereo topic vision system
- 500mm and 300mm measuring volumes
- Measuring for small and large applications
- Portable



Superior Cam



Midland Design



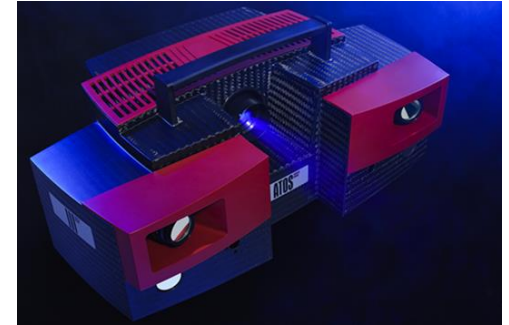
Bespro Pattern



American Tooling Center

Triple Scanning (Blue Light)

- Accuracy is also CMM tested
- Accuracy is also 50 microns per meter
- Triple stereo vision system
- 560mm and 700mm measuring volumes
- Measuring for medium and large applications
- Portable



Superior Cam



Midland Design



Bespro Pattern



American Tooling Center

Photogrammetry Via GOM Tritop

- Optical 3D coordinate measuring
- .5m to 2.0m scaling capabilities
- Coded and un-coded targets
- Helps maintain accuracy over large area
- Measuring area:

0.1 X 0.1 M² to 10 X 10 M²

4 X 4 IN² to 400 X 400 IN²



Reporting Via GOM Inspect Professional

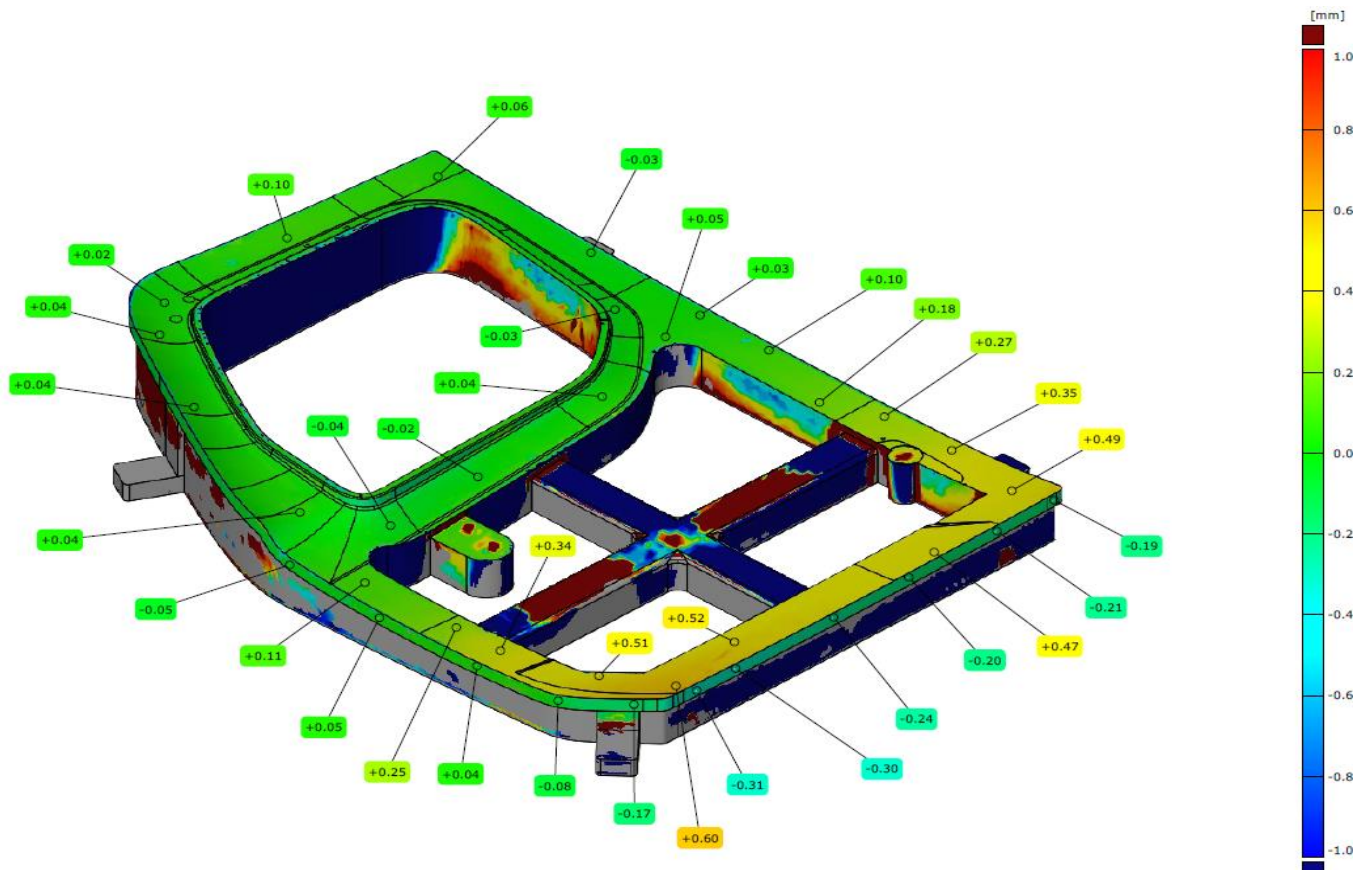
- Standard alignment methods such as global best-fit, local best-fit, alignment based on geometry elements and RPS
- GD&T analysis
- Curve and point-based inspection
- Colormap comparisons on CAD data
- PDF output
- Supported CAD for comparisons:
IGES, SolidWorks, ASCII, G3D, STEP 203/214, CATIA (v4, v5, v6), CSV, STL, VDA, Siemens NX (Unigraphics), FTA, ASCII, JT-Open, Pro/ENGINEER PRT, POL, Parasolid (.x_t* and .x_b*), PSL, and SAT



DIVERSIFIED TOOLING

G • R • O • U • P

Colormap



Superior Cam



Midland Design



Bespro Pattern



American Tooling Center

DIVERSIFIED TOOLING

G • R • O • U • P

Post Processing

Manifold



Superior Cam



Midland Design



Bespro Pattern



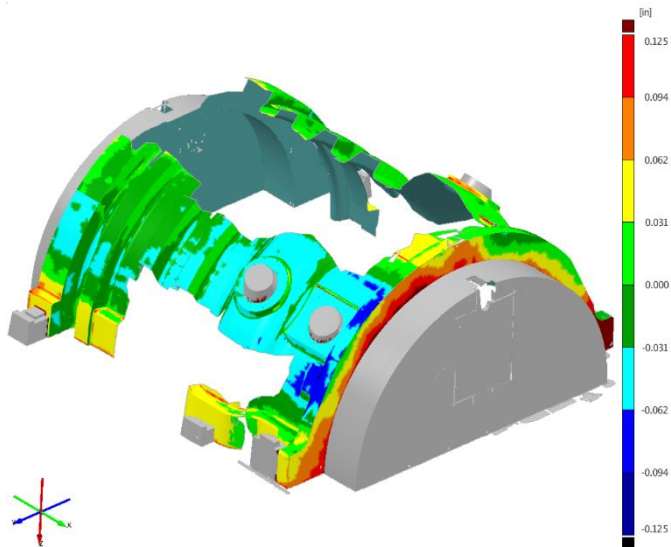
American Tooling Center

DIVERSIFIED TOOLING

G • R • O • U • P

Post Processing

Compressor Cylinder Wood Pattern Compared to Nominal



Superior Cam



Midland Design



Bespro Pattern

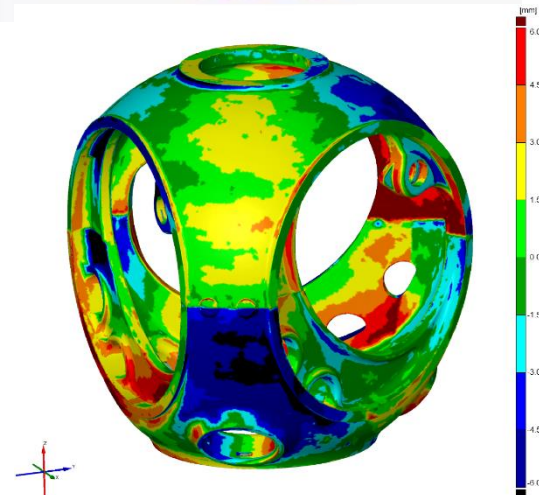
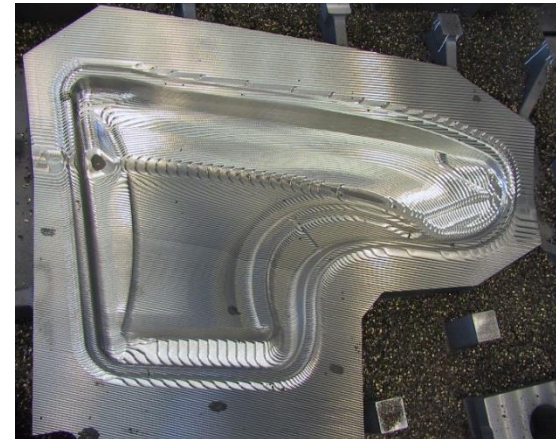
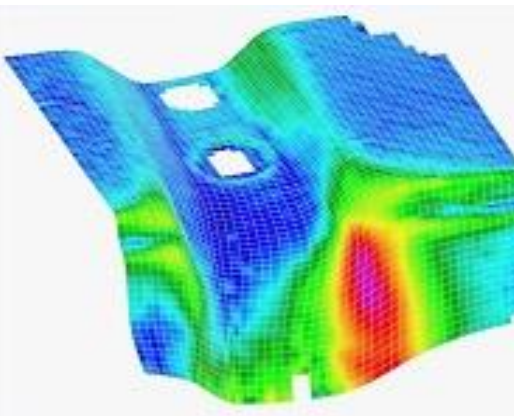


American Tooling Center

DIVERSIFIED TOOLING

G • R • O • U • P

Quality Control Services



Superior Cam



Midland Design



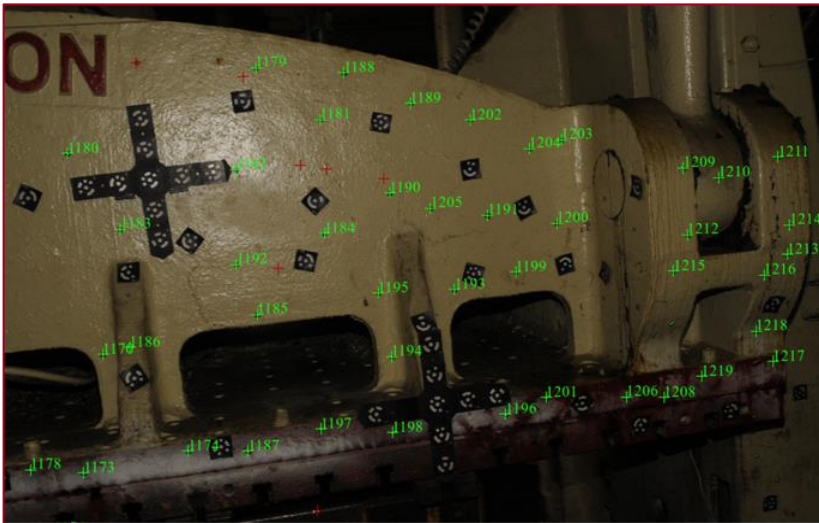
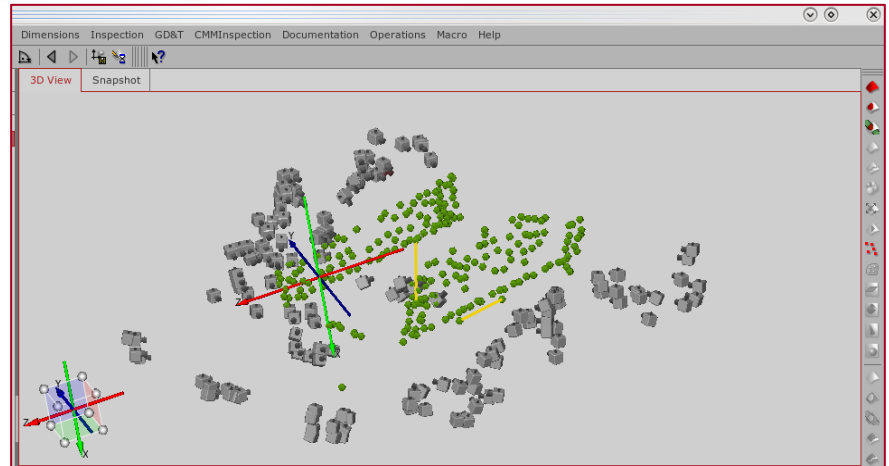
Bespro Pattern



American Tooling Center

DIVERSIFIED TOOLING

G • R • O • U • P



Superior Cam



Midland Design



Bespro Pattern



American Tooling Center

Contact Information

Sales Team

Tim Marasco Director of Business Development Office: 248-588-1100 Cell: 313-590-2817 Fax: 248-588-1104 tmarasco@diversifiedtoolinggroup.com	Tom Richards Sales Engineer Office: 248-588-1100 Cell: 586-255-3057 Fax: 248-588-1104 mdembowski@diversifiedtoolinggroup.com	Mike Austin Sales Engineer Office: 248-588-1100 Cell: 248-703-8452 Fax: 248-588-1104 maustin@diversifiedtoolinggroup.com
Ken Osborne Sales Engineer Office: 248-588-1100 Cell: 586-612-5902 Fax: 248-588-1104 kosborne@diversifiedtoolinggroup.com	Steve Doolan Sales Engineer Office: 248-588-1100 Cell: 248-497-1207 Fax: 248-588-1104 sdoolan@diversifiedtoolinggroup.com	Sales Office Diversified Tooling Group 31240 Stephenson Highway Madison Heights, MI 48071 Office: 248-588-1100 Fax: 248-588-1104 www.diversifiedtoolinggroup.com

General Inquiries

Superior Cam, Inc. Office: 248-588-1100 Fax: 248-588-1104 info@SuperiorCam.com	Midland Design Service, Inc. Office: 248-588-8833 Fax: 248-588-0558 info@MidlandDesignService.com
Bespro Pattern, Inc. Office: 248-588-8833 Fax: 248-588-0558 rfq@bespropattern.com	American Tooling Center, Inc. Office: 517-522-8411 Fax: 517-522-8078 info@AmericanToolingCenter.com