



Precision Manufacturing & Custom Tooling

Davison, Michigan · Since 1988 · veitool.com

OEM Approved

Tier 1 & 2

38+ Years

Gaging · CNC Machining · Custom Tooling · Gear Burnishing Systems · Roll Test Fixtures

Haas & Okuma CNC · 3-axis & 5-axis · Mastercam 2023 · In-house CMM · Tolerances to ± 0.0001 " · Built in the USA

CORE CAPABILITIES

Gear Burnishing Systems

Proprietary 3-roll oscillating machines — semi-auto to fully automated CNC. Models 1000, 2000 & 3000. Up to 600 PPH. 30+ year installed base on Tier 1 production floors. EV-compatible configurations available.

Gear Roll Test Fixtures

Custom manual & motorized roll test fixtures for in-line gear quality verification. Machined to exact tolerances. Trusted by leading gear manufacturers including Gleason.

CNC Precision Machining

3-axis & 5-axis milling and turning on Haas & Okuma equipment. Tolerances to ± 0.0001 ". Mastercam CAM with dedicated PC per station. Prototype through production quantities.

Custom Check Fixtures

Check and assembly fixtures for OEM & Tier 1 programs. GD&T-driven design. In-house CMM verification. Optional Gage R&R certification reports included on request.

Precision Gage Manufacturing

Ball/pin (DOB/DOP) gages, go/no-go, thread gages, and specialty inspection tooling machined to print. SolidWorks design. Tolerances to ± 0.00005 ". Certification via ISO 17025 accredited labs.

Precision Components & Tooling

Custom machined components and production tooling for automotive, defense-adjacent, and industrial programs. Complex geometries, hard materials, tool steel. Design-assist engineering available.

EQUIPMENT & INDUSTRIES

Precision Machining Equipment

- Haas & Okuma CNC mills and lathes
- 3-axis & 5-axis machining capability
- Mastercam 2023 CAM programming
- In-house CMM quality inspection
- ± 0.0001 " tolerance (± 0.00005 " gage)
- SolidWorks 3D design & modeling

Machining Capacity

- CNC Milling: 40" X x 26" Y x 27" Z
- Turning: 10" dia x 24" length

Small & medium components with tight tolerances. Prototype, short-run, and production work across a variety of materials.

Industries Served

- Automotive — OEM, Tier 1, Tier 2
- Gear manufacturing & powertrain
- Defense & aerospace (components)
- Heavy industrial & machinery
- Motorcycle & powersports
- Cutting tool & tooling manufacturers

TRUSTED BY



FAMILY OF COMPANIES



Precision CNC machining · Gear systems · Custom tooling



MANSON
PRECISION REAMERS

Precision cutting tools · Defense & firearms adjacent



AS9100 certified precision fasteners · Aerospace & defense