

Machining Department

CNC Machining Centers

- Tree model VMC 1260E (vertical machining center), X 50" x Y 24" work envelope, 30 hp motor, w/ 32-tool magazine. (AU)
- Okuma model MC-V4020B, travel X 40", Y 20", Z 17-7", 20 hp motor, 32-tool magazine. (A7)
- Tree model VMC 1050 dual pallet vertical machining center, w/ 24-tool magazine, 15 hp w/ 40" L x 20" W x 19" H work envelope. (TREE CNC)

CNC Turning Centers

- Okuma Cadet 1420 CNC turning center, 30 hp motor, 14.17" diameter x 25.59" capacity. (A7)
- Okuma Captain-L370M, 30 hp motor, maximum turning diameter 13.38", maximum turning length 19.68", live tooling, big bore through spindle, multi-bar feeder. (A2)
- Okuma Cadet LNC-8 CNC turning center, 10 hp motor, 9.84" diameter x 15.0" capacity, w/ 2.5" through spindle bar feeder. (CADET)

Automatic Screw Machines

- Brown and Sharpe auto screw machines 1-1/4' maximum diameter. (#33 - #35)

Engine Lathes

- Victor 1640 w/ DRO, 15-3/4' swing x 40" between centers
- Summit w/ DRO, 19" swing x 120" between centers

Milling Machines

- K & T Milwaukee #3 horizontal mill w/ DRO

Misc.

- Amada HFA-250W, auto cycle cutoff saw, 10" x 11" capacity
- Misc. drilling, tapping, and broaching machines.

Engineering Department

Our engineers can assist in design and development of your next product. We have the following software to assist you in any way:

- Keycreator, AutoCAD, and Solid Works.
- We program our CNC machine centers and turning centers with Virtual Gibbs.
- We program our lasers and NC punching machines with N-Cell and Amada AP100 CAD/CAM software.
- We accept electronic files with .DXF, .DWG, .STEP, .ACIS, .UDAFS, .URML, .STL, .CATIA, .Pro-E, .UGII, Inventor, Solidedge, and Cadkey formats.
- Sheet works for part unfold
- Dr. Abe auto nesting for exceptional material utilization (Fabrication Department)
- Bend/Cam for auto part form programming (Fabrication Department)
- Virtual Prototype Simulation System (Fabrication Department)
- VFactory for production monitoring and continuous improvement (Fabrication Department)
- LinkNet for production monitoring and continuous improvement (Stamping Department)