

OUR PRECISION CNC MACHINING EQUIPMENT

Machining Centers:

- Mori-Seiki SH630 4 axis horizontal machining center with Fanuc 16M control, 120 tool ATC, (9) 24" pallets, AGV-loaded linear pallet system, Renishaw automatic part gauging, MoricAC PC based cell controller - 33" x 30" x 33" x 1 degree
- (2) Okuma MX45VAE vertical machining center with OSP700M control, 20 tool ATC, SMW Workswitcher manual pallet changer, HAAS 4th axis - 30" x 18" x 17" x .001 degree
- Okuma MC60-VAE vertical machining center with OSP700M control, 32 tool ATC, Tsudakoma automatic pallet changer, (2) 24" x 60" pallets - 60" x 24" x 24"
- Okuma MC-5VA vertical machining center with OSP5020M control, 20 tool ATC, HAAS 4th axis - 41" x 21" x 30" x .001 degree
- Okuma MC-3VA vertical machining center with OSP500M control, 16 tool ATC, HAAS 4th and 5th axes, 13" x 16" x 20" x .001 degree
- Okuma V4018 Crown vertical machining center with OSPU100M control, 20 tool ATC - 40" x 18" x 17"
- HAAS GR512 vertical machining center with HAAS control, 10 tool ATC, 4th axis - 144" x 60" x 12" x .001 degree
- HAAS GR712 vertical machining center with HAAS control, 20 tool ATC, 4th axis, 144" x 84" x 24" x .001 degree

Turning Centers:

- Mori Seiki SL-35B/1500 horizontal turning center with Fanuc 10T control, 15" Kitagawa chuck - 16" x 60" (23" swing)
- (2) Mori Seiki SL-35A/750 horizontal turning center with Fanuc 10T control, 10" Kitagawa chuck - 13" x 30" (23" swing)
- Okuma LC-40 horizontal turning center with OSP5000L control, 15" Kitagawa chuck - 21" x 40" (23" swing)
- Okuma LB-15 horizontal turning center with OSP5000L control, Hardinge S26 collet, part catcher, automatic gauging and printout, 12' LNS Hydrobar - 10" x 20" (18" swing)
- Okuma Captain L370 horizontal turning center with OSPE100L control, 3J collet, part catcher, 4' SMW 2104 bar feeder - 10" x 20" (18" swing)
- Okuma Captain L370MW horizontal turning center with OSPE100L control, twin spindle (3J collets), live tooling and full C axis, part catcher, SMW2100 bar feeder - 10" x 20" (18" swing) x .001 degree
- Okuma LB-25-II horizontal turning center with OSP7000L control, 15" chuck - 16" turn capacity, 24" swing (chucker)

OUR PRECISION CONVENTIONAL MACHINING EQUIPMENT

Conventional Lathes:

- Sharp 1640C engine lathe with Newall DRO - 16" x 40"
- Kingston HR3000 engine lathe with Accu-Rite DRO - 34" x 120"
- Sharp 2060C engine lathe with Newall DRO - 20" x 60"
- Monarch Superturn engine lathe with Accu-Rite DRO - 34" x 144"
- Bullard vertical turret lathe, ram head with Newall DRO (x2) - 42" x 36"

Conventional Milling Machines:

- Giddings & Lewis horizontal boring machine, Newall DRO - 66" x 64" x 48"
- Sharp vertical milling machine with Accu-Rite DRO - 9" x 49"
- Sharp vertical milling machine with Newall DRO - 9" x 49"
- Milwaukee horizontal milling machine - 9" x 49"

Conventional Drilling Machines:

- Asquith radial drill - 26" x 48"
- Edlund 4-spindle gang drill
- Carlton 5' radial drill
- (3) Burgmaster 5-spindle turret drill

Grinding & Honing Machines:

- Kent automatic surface grinder - 16" x 40"
- K.O. Lee tool and cutter grinder
- Cincinnati 107-4 centerless grinder
- Sunnen MBC 1805-D hone
- TOS Hostivar BU28/1000 cylindrical universal OD/ID grinder model with Sony DRO - 11-1/2" x 40"



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WELDING & FABRICATION EQUIPMENT

- Challenger series CNC plasma cutting system with Burny 5 control - 6' x 10' water table
- Miller SRH-222 stick welder
- Lincoln Idealarc heliarc welder
- Linde VI-253 hand MIG welder
- Everett 460mm cutoff saw
- Emmegi 5-axis CNC cut-off saw - 10" x 240"
- Kalamazoo H9AW horizontal band saw - 9" x 15"
- Makita 355 mm portable cut-off saw
- Johnson V-36 vertical band saw
- Hyd-Mech Model S-20A horizontal band saw - 10" x 14"
- Marvel V10A automatic vertical band saw - 10" x 14"
- Hand spot welders
- Trumpf TruLaser 3040
- Trumpf TruBend 5230 Press Brake
- Eutectic Terodyn metal spray welder
- Linde VI400 wire feed welder
- Miller Syncrowave 350 Heliarc welder
- L-Tec 650 wire feed welder
- (6) 600 Miller wire feed welder
- Standard AS500-10, 90 ton, 1/2" x 10' shear with CNC back-gauge
- 200-ton H-frame hydraulic press
- Dake 75-ton press with 1-1/2 ton side mounted arbor press

PAINT & SURFACE PREP EQUIPMENT

- Paint booth
- Heat treating ovens
- Blast-It-All glass bead machines

QUALITY ASSURANCE & PRECISION MEASURING

- Keyence CMM Model XM-C1000
- Zeiss Eclipse 1000 CMM, CNC controlled, with ST3 dynamic probe and 5 station change rack
- Sherr-Tumico 2000 Optical Comparator
- UniPoint QMS and calibration management software
- Schlesinger Rockwell hardness tester
- 24" x 36" inspection-grade granite surface plate
- 24" x 48" inspection-grade air supported granite surface table
- 48" x 96" granite surface plate

COMPLETE SETS OF CALIBRATED:

- Go/No-go thread ring and plug gages
- Plug go/no-go gages to 1"
- Micrometers to 30"
- Calipers to 60"
- Height gages to 24"
- Precision bore gages to 6"
- Precision angle blocks

SCM HAS ALSO RECEIVED INDEPENDENT CUSTOMER CERTIFICATION TO THE FOLLOWING STANDARDS:

LOCKHEED MARTIN

- Structural welding, steel, per AWS D1.1/D1.1M
- Structural welding, aluminum, per AWS D1.2/D1.2M
- Chemical conversion coating per MIL-DTL-5541
- Chemical agent resistant coating (CARC) system per MIL-DTL-53072
- Chemical conversion coatings & pretreatments for ferrous surfaces per TT-C-490

GDATP

- Structural welding, sheet steel, per AWS D1.3/D1.3M
- Fusion welding for aerospace applications per AWS D17.1/D17.1M
- Fusion welding for aerospace applications per MIL-STD-2219



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