



Facilities List

FACILITY SQUARE FOOTAGE: 55,000 modern machining /manufacturing plant

Overview:

Our state-of-the-art CNC Mill and CNC Lathe machines are programmed by our four Surfcam certified programmers using the latest version in 2, 3, 4 and 5 axis. Each team member has over 30 years' experience in the machining trade. We work directly with your engineers to ensure rapid prototype turnaround at competitive pricing.

Announcement

Announcing a new Robotic TIG Welder PA500SS!

The PerformArc System is a fully assembled custom robotic TIG welding work cell. It consists of a Panasonic six axis electric robot, fully integrated with one (1) Tilt / Rotate Positioner unit.

Precision Machining

CNC-Mill

Minimum Tolerance +/- .0001

1 Okuma MU-5000V 5 axis vertical mill with 165 tool matrix, high pressure coolant, spindle probe and tool probe (31.5" x 41.3" x 23.6")

2 each Okuma Genos M460V-5AX Vertical Mills . They are the latest generation of 5-axis vertical machining centers that are specifically designed to manufacture high precision parts in short order.

1 Yama-Seiki BM-1600 Vertical Mill with high pressure coolant (63" x 31.5" x 31.5")

4 Okuma 560V 4 axis vertical mills with high pressure coolant (40" x 20" x 20")

4 Okuma MB5000 Horizontal Mill, high pressure coolant, spindle probe & tool probe, (29" x 29" x 29" travel), 2 with 6 pallet pool

5 Robo Drills T-21 with high pressure coolant (20" x 15" x 13")

3 Robo Drills D-21 with high pressure coolant (20" x 15" x 13")

CNC-Lathe

Minimum Tolerance +/- .0001

2 Yama Seiki GS200 (18.5" swing x 16.5" diameter x 23" long)

2 Yama Seiki GS4000 (30" swing x 24" diameter x 32" long)

2 Okuma LB3000EX dual spindle (18" swing x 16" diameter x 19" long)

1 DMG MORI NLX2500, (18" Swing x 14.5" DIA x 28" Lg.)

Manual Mills

3 Sharp Vertical Mills with Proto-Trac program controls

Manual Lathes

1 Wacheon Engine Lathe, (18" Swing x 40" Lg) 1 Wacheon Engine Lathe, (22" Swing x 80" Lg)

1 Webb Engine Lathe, (18" Swing x 40" Lg)

1 Hardinge Chukar Lathe

Welding Department

5 Miller Dynasty Tig Welding Machines 1 LR-64 Batch Oven (4ft x 4ft x 4ft)

1 Robotic TIG Welder PA500SS with Panasonic six axis electric robot, fully integrated with one (1) Tilt / Rotate Positioner unit.

Inspection Department

2 Zeiss Contura G2-RDS CMM's (1000/1200/600) 2 Mitutoyo SJ-410 Profilometer with data readout 1 Mitutoyo portable Profilometer

1 Omax microscope with backlight capabilities

1 Scienscope high resolution camera system

2 Class A granite surface plates (48" x 96")

All measuring tools calibrated and recorded per our QMS.

Assembly Department

300 sq. ft. class 1,000 clean room able to do turnkey assemblies
Varian helium leak test machine with -12 std. cc/sec capability
Hydrostatic leak testing
120 sq. ft. clean area assembly room able to do turnkey assemblies
Serialized engraving capabilities

Finishing Department

1000 sq. ft. ventilated state-of-the-art finishing room
Stainless steel paneled walls
11 down draft stations with air-filtration
Pneumatic deburr and finishing tools maintained per our QMS