



19815 MAGELLAN DRIVE, TORRANCE, CA 90502

310 538-5380

EQUIPMENT LIST, AS OF JANUARY 2018

New Capabilities

In February of 2012, a 9 ft. Faro Arm was purchased to allow for portable inspection of form dies, and large assemblies without disrupting production flow. In 2015 it was upgraded to a Blue Light Laser, which scans objects at 52,000 measurements per second in 3 dimensions. In January of 2018, two additional Faro Arms were acquired to handle increased quality inspection demand.

Three new Drop Hammers have been installed to address capacity issues at our Metal Forming Facility.

Six new Large Machining Centers were purchased from 2006 to 2012 bringing more in-house control to our Tooling and Machine Shop.

Additionally, a 5-Axis Precision Laser Cutter was acquired in 2011.

Welding Department

- 22) Miller Digital (Inverter) Dynasty TIG 350 AMP
 - 1) Lincoln Square Wave TIG 350 Amp
 - 1) Lincoln Precision TIG 375 AMP
 - 2) 1,000 Lb. Ransome Welding Turntables
- 10) Aircrafter Welding Turntables
 - 1) Sciaky Spot Welder 100 KVA
 - 1) Janda Resistance Seam Welder 250 KVA
 - 1) Janda Spot Welder 175 KVA (Inverter)
 - 1) Uniter Precision Spot-Poke-Tack Welder
 - 1) Cress Pro 24" X 36" Pre / Post Heat Oven
 - 4) Ton Arbor Press
 - 3) Power Expanders
 - 4) Band Saws
 - 2) Drill Presses
 - 3) 48" x 48" Sandblasting Chambers

Sheet Metal Department

- 1) Di-Arco 15-Ton 4' Press Brake
- 1) Chicago 30-Ton 6' Press Brake

- 1) Wysong 90-Ton 12' press Brake
- 1) Amada Vela II Punch Press
- 1) Amada 16' Shear
- 1) Amada Power Notcher
- 3) Manual Rollers 18"- 48"
- 2) Bridgeport Milling Machines

Machine Shop

- 1) YCM 3-Axis Vertical Mill 80" x 40" x 40" 15,000 lb. Capacity
- 1) Okuma MA-650 VB 5-Axis High-Speed Machining Center
- 1) Johnford DMC-2600 SH 102" x 70" x 42" 22,000 lb. Capacity
- 1) Femco BMC 110R2 CNC 4-Axis Boring Mill 78" x 71" x 67"
- 1) OKK HM 1000S Dual Table HS Machining Center 55" x 43" x 40"
- 1) Kafo/Femco VMC-137 CNC 4-Axis Vertical Mill 51" x 27"
- 1) Acroloc CNC 3-Axis Vertical Mill
- 1) Cincinnati CNC Machining Center 144" x 72" x 36"
- 1) Mazak Slant 50 CNC 2-Axis Horizontal Lathe, 50 HP 26" Cut
- 1) Mazak Quickturn 20N CNC Horizontal Lathe 16" Cut
- 1) Sharp SVG-4323 CNC, 43 x 23 x 25 travel, 8,000 rpm, CAT 40, 20 HP
- 1) Sharp SVG-6335A CNC, 63 x 35 x 27 travel, 8,000 rpm, CAT 50, 35 HP
- 1) Kingston Horizontal Lathe 40" Swing
- 1) LeBlonde Horizontal Lathe 40" Swing
- 2) Mori Seiki Horizontal Lathe 24" Swing
- 3) Mori Seiki Horizontal Lathe 18" Swing
- 9) Bridgeport Vertical Mills
- 2) Flow 5-Axis Waterjets 6' X 10' Bed
- 1) NTC TLM610 3.3K 5-Axis Laser Bed 75"x122" 4,000 lb. Capacity

Drop Hammer / Hydroforming

- 1) 5-Ton Rope Hammer 48" X 84"
- 3) 3-Ton Rope Hammers 48" X 60"
- 2) 2-Ton Rope Hammers 48" X 48"
- 2) 1-Ton Rope Hammers 40" X 60"
- 2) 1-Ton Rope Hammers 36" X 34"
- 1) Ceco Stamp 24" X 30"
- 2) Ceco Stamp 36" X 48"
- 3) Ceco Stamp 48" X 48"
- 1) Ceco Stamp 60" X 96"
- 1) Ceco Stamp 66" X 68"
- 1) Ceco Stamp 60" X 100"
- 1) 12", 23", 26" Cincinnati Hydroform Presses
- 1) 400-Ton Lien Chieh Press
- 1) 250-Ton Verson Draw Press 42" X 42"
- 1) 10-Ton Arbor Press
- 5) Metal Spinning Lathes 72" Maximum

- 4) Melting Pots & Furnaces
 - 3) 3,500 lb. Bull Ladles
 - 2) Air Tamping Hammers
 - 1) Steel Casting Platform
- Plaster Pattern/Form Tooling Department
Planishing, Clean Line, Processing, Heat Treat,
Passivate Tanks, De Greaser, Annealing Ovens

Tube Bending Department

- 2) #4 Pines 4" Benders (1 Modified to 5")
 - 3) #2 Pines 2"
 - 1) Leonard Model 412 1"
 - 1) Leonard Model 62 1 6"
 - 5) Leonard & Conrac Hand Benders
 - 5) Leonard Beading & Flaring Machines
 - 2) Peak, Stow & Wilcox Beading Machines
 - 1) Fenn Reducer
 - 2) Bridgeport Tooling Machines
 - 2) Moriellci Conventional Lathes
 - 1) Custom Pull-Out Machine
- Complete Set of Bend Tooling 1/2" - 5"
Titanium Bend Tools 1/2" - 3"

Inspection/Quality

- 1) NDT Pressure Testing Department
- 1) Dedicated Dye Penetrant Line
- 1) In-House Level II
 - 360 Kv X-Ray Room
 - 180 Kv X-Ray Booth
- 1) Mitutoyo CMM 48" x 60"
- 1) Mitutoyo CMM 72" x 114"
- 3) 9 Ft. Faro Arm Portable CMM for In-Place Dimensional Inspection