

Superior Thread Rolling is located in the San Fernando Valley in Arleta, California. The 29,000 square foot facility serves the commercial, space, and defense industries, specializing in offering premiere thread rolling as a service, as well as serving as a prime contractor for precision machined flight safety aircraft parts. Founded in 1951, Superior Thread Rolling continues to produce quality rolled threads and machined products. The following is a complete list of our equipment.

Thread Rolling Department

Centerless Grinders

- 6 Cincinnati Centerless (variable speed)
- 1 Cincinnati Centerless for Titanium (variable speed)
- 1 Cincinnati Centerless for Thru-Feed

Chamfer

- 2 Manual Chamfering Lathes

Thread Rollers - Cylindrical Die

- 8 Reed A-22 (3 Die)
- 5 Reed A-33 (3 Die)
- 4 Reed A-34 (3 Die)
- 1 Tesker 200 (2 Die)
- 1 Tesker 200 PLC (2 Die)
- 1 Tesker 320E (2 Die)
- 1 Tesker 645E (2 Die)
- 2 Landis 32 TFRI (2 Die)

Thread Rollers - Flat Die

- 1 Waterbury #10

Induction Heaters

- 3 25 kW Superior Induction & CEIA Heaters
- 1 11.5 kW Superior Induction Heater

Burnish / Fillet Rollers / Knurling

- 2 Fillet Roller (3 Die)

Stress Relieve Oven

- 1 24"x24"x36" Stress Ovens (1200°F max)

Metallurgical Destructive Test Lab

- 1 Struers Discotom 10 Saw
- 1 Zeiss Microscope (computer controlled)
- 1 Allied PowerCut-10 Saw
- 1 Struers Secotom 50 Saw
- 2 Struers Citopress 20 (dual mount)
- 1 Allied MetPrep-4 Polisher
- 1 Struers Tegramin-30 Polisher

Die Repair

- 1 Bridgeport Mill
- 1 Brown & Sharpe Surface Grinder
- 1 Crystal Lake Grinder

Non-Destructive Testing (NDT) Department

- 1 Magwerks Mag Station PSAF-546
- 1 Universal NDT DeMag Station UD1616T
- 1 Penetrant Inspection Line w/ Wash, Dust Chamber, Dryer/Oven, and Inspection Stations
- 1 CTI DI 3-tank Carbon Water Recirculation System

Manufacturing Department

CNC Lathes

- 1 Samsung SL-40/1500 with Steady Rest (2000 lb crane)
- 2 Mori Seiki NLX-3000/750 with 1000psi Coolant
- 2 Mori Seiki DuraTurn 2550
- 1 Mori Seiki DuraTurn 2050
- 1 Haas SL-30T
- 2 Samsung SL-20
- 1 Samsung SL-15
- 1 Haas TL-15
- 2 Mori Seiki AL-20 / AL-2

CNC Mills

- 1 Haas VF4 - 4th Axis with 300psi Coolant
- 1 Mori Seiki 5080 - 4th Axis
- 1 Mori Seiki 5060
- 2 Haas VF2SS - 4th Axis with 300psi Coolant
- 2 Haas VF2 - 4th Axis
- 1 Haas VF2 - 4th Axis with 1000psi Coolant

Deburr

- 2 Webb Lathes
- 1 Bridgeport Mill
- 1 Sunnen Hone

Saw

- 1 Amada Horizontal Automated Band Saw
- 1 DoAll Vertical Band Saw

Heavy Lifting

- 1 1 Ton Jib Crane (single post swivel)
- 2 Gantry Cranes - 4 post (1 Ton & 1/2 Ton)
- 1 Forklift (5500 lbs)

Quality Department

Inspection Equipment

- 1 Hexagon Auto CMM (700 x 1000 x 700)
- 3 Oasis Vision Inspection Systems (0" – 3.5")
- 1 S-T Industries Comparator with Quadra-Chek
- 1 Dorsey Comparator with Quadra-Chek
- 1 Starrett Comparator with Quadra-Chek
- 1 Deltronic Comparator with MPC-5
- 2 Optical Comparator
- 2 United Digital Rockwell Hardness testers
- 2 Mahr-Federal I.D. Air Gages
- 1 Deltronic Super Micrometer (.00002/.00005 accuracy)
- 35+ Tri-Roll Gages (double-frame)
- 500+ Thread Ring/Plug Gages & Master Set Plugs