

MAJOR MANUFACTURING EQUIPMENT

- CNC 400MM to 1250MM Horizontal Mill (9)
- CNC 3 FMC systems, 400mm, 500mm, 630mm. Size ranging from 20 to 34 pallets. (7)
- CNC 5 Axis with Robot Loading (2)
- CNC Vertical Mill (23)
- CNC 5 Axis Drill Tap Mill (1)
- CNC VTL 36.22" (1)
- Swiss Lathe (2)
- 4 Axis Lathe (3) with bar feed and live tooling
- 5 Axis Lathe (4)
- 3 Axis Lathe (8)
- Tube Laser (2) - Fiber/1oz up to 6" round capacity
- 6000 Watt Fiber Laser w/power cut 5' x 10': 25mm steel, 30mm SS, 30mm AL. 30 Tray Sheet Loader and Fully Automated Sheet Handling (1)
- CO2 5' x 10' Flat Laser (2)
- Robot Welding Cells (3)
- Manual Welders (10+)
- TIG Welders (10)
- Finishing booths, Aluminum & Steel
- Paint Line - Continuous (Liquid and Powder), 8 stage system, 4x6x10 maximum part size
- Laser Etch/ Engraving
- Auto Form Brakes (3) - 6 axis with back gage
- Media Tumbler (5)
- Complete in house tool room - design, CNC fixtures/ weld fixtures, gages, dies, etc.
- Flexible assembly cells to match customer project requirements.
- Testing - lean, single piece flow, pressure testing, life cycle testing, cleanliness testing, etc.
- Mazak Multiplex - dual main spindle lathe, with live tooling, Y-axis and gantry loader.

QUALITY

- Lou-Rich is ISO 9001:2015 Certified
- Copy of Quality Manual provided upon request
- AQP and PPAP performed at customer request
- Test equipment on-site:
 - Zeiss Accura II - AKTIV X-78", Y-118", Z-72"(1)
 - Zeiss Eclipse CMM X-40", Y-40", Z-20" (1)
 - Zeiss Eclipse CMM X-40", Y-64", Z-20" (1)
 - Zeiss C400 CMM X-15", Y-32", Z-13" (1)
 - Zeiss Duramax CMM X-19", Y-19", Z-19" (2)
 - Zeiss Accura RDS CMM X-47.2", Y-70.8", Z-31.4"
 - Farrow Arm (Gold Series) - 10' reach with articulating arm (0.003 accuracy) (1)
 - Mitsutoyo Optical Comparator 6"x 4" (10x and 20x Digital with SPC output) (1)
 - Econotherm Laboratory Oven X-18", Y-15", Z-15" (Cleanliness measurement) (1)
 - MicroVu (Qubix Series) 6" x 8", (20-250 mag) (1)
 - Virtek LaserQC 1200 (0.002 accuracy)