



# General Capabilities

## Designer, Manufacturer and Integrator of Machines and Tooling

### About Us

Lomar Machine and Tool Company is a designer, manufacturer and integrator of standard and custom machines and tooling. Standard line of products include hose crimping machines, tube endforming machines, tube bending machines, leak testers, and brazing machines. Additional products and services include; hydraulic systems and reservoirs, industrial gear racks and pinions, along with machining and fabrication services, prototype work and private label - contract manufacturing.

**Markets served: Automotive, Aerospace, Agriculture, Appliance, Food, Furniture, HVAC & R, Medical and Military.**

### Engineering



Our in-house engineering department represents multiple disciplines of mechanical, electrical, hydraulic, pneumatic, and tooling design engineers. Solid Works, Key Creator and Cadkey are a few of the many CAD based tools available to our engineering staff. Design considerations include but are not limited to ease of operation, practicality of maintenance, and adaptability within a family of parts, ergonomic principles and possible failure modes.

### Manufacturing

Lomar manufacturing capabilities include complete machine shop services, which utilize the latest in CNC Turning, Milling and Grinding as well as Wire and Plunge EDM. Lomar's manufacturing facility is able to accommodate tooling and fixture work as well as low to intermediate volume production quantities and prototype programs. Fabrication capabilities include CNC laser cutting, shearing, sawing, CNC Metal forming, welding (Mig & Tig) and metal finishing (Powder and liquid coating).



### Machine Build

All machinery is built to meet NEC Standards. CE, CSA and NR12 Compliance are also available upon customer request. Electrical Wiring and PLC Programming is performed "in house". We are capable of Programming the Majority of PLC and Robotic systems in use today. Because the adaptive or non-commercial components of a machine are CAD designed, machined and assembled to print the "Trial and Error" approach used by many manufacturers in today's market is eliminated.

### Quality

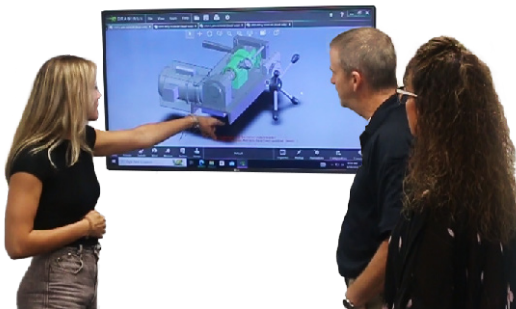
Lomar Machine and Tool Company is ISO 9001: 2015 Certified. Components are inspected for final approval prior to shipping to both internal and external customers. QC equipment includes but is not limited to the following: CMM with a DCC Drive, Standard CMM's, Optical Comparators with Edge Detection and DRO, Video Comparator, Rockwell Hardness Testers and Profilometers. All instruments are traceable to N.I.S.T. Standards.



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## Products and Services

- **Automation** (Robot Integration, Repetitive Task Automation, Pick & Place Transfer Systems, Component Bowl Feeder Integration)
- **Tube Bending Machines** (Dedicated / Fixtured / Proto-type / Portable)
- **Hose Crimping Machines** (Production Radial and Split Die Set)
- **Contract Manufacturing** (Build -to-print, Private Labeling, Managed Inventory, Customer Service/Technical Support)
- **Custom Design & Build** (CAD designed manufacturing cells for process specific applications)
- **Induction & Flame Brazing Machines** (Single & Multiple Station)
- **Job Shop Fabrication Services** (CNC Laser Cutting, CNC Metal forming, Welding (Mig & Tig), powder & liquid coating)
- **Gages** (No-Go Gages)
- **Fixtures** (Weld fixtures, Crimp Orientation fixtures)
- **Hydraulic Reservoirs** (Standard in stock and custom reservoirs)
- **Job Shop Machining** (CNC Milling & Turning, Wire & Plunge EDM, I.D.- O.D. & Surface Grinding)
- **Leak Test Equipment** (Helium, Pressure Decay, Mass Flow, Under Water)
- **Tube Endforming Equipment** (Single hit up to six hit machines, roll grooving, manual load to fully automated systems)
- **Weld Cells** (Mig, Resistance, Dedicated, Robotic, Fixtures, Refurbishment)
- **C-Frame Utility Presses** (Hydraulic, Air Over Oil and Servo)
- **Industrial Rack & Pinion Gear Components** (Gear Racks, Pinions, Ejectors - Quick Kickers)



Integral to our success is the partnership established between Lomar and our customers throughout the design and build process. Machine Assembly, run-off, training and buy-off occur in Lomar's machine assembly facility.



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