



TEMPE, AZ

SHOP CAPABILITIES

At our Tempe, AZ facility, we're equipped to meet your toughest equipment challenges. Designed for massive gearing, pinions, shafting, intricate fabrications and gearboxes, we are ready to handle your largest and most complex components. Our state-of-the-art technology and expert tradesmen, ensures precise fabrication, manufacturing, testing, and analysis. With 60,000 square feet of manufacturing space and a 180-ton crane capacity to lift massive components, we handle even the largest jobs with ease. Our expertise spans Design & Engineering, Manufacturing & Repair, Monitoring & Controls, and Field Services, providing comprehensive support to maintain your fleet's critical assets efficiently and effectively.



DESIGN &
ENGINEERING



MANUFACTURING
& REPAIR



MONITORING
& CONTROLS



FIELD
SERVICES



SHOP CAPABILITIES

PRECISION, POWER, PRODUCTION

Machining

Gear Grinding

- 6 m Ø and achieving AGMA 12 quality or higher
- Gear face width – 2 m
- Maximum weight – 110,000 lbs

Vertical Machining

- C-axis with live tooling capabilities
- Swing diameter – 36" ID to 41.6" OD
- Max workpiece height – 16' 8"
- 500,000 lbs table capacity

Horizontal Machining

- Max swing: 50"
- Max length: 315"

Mechanical

Transmission Test Bench

- Thermal and vibration analysis

Hydraulic Presses

- Horizontal – up to 1,000 tons

Welding

Stress Relieving Ovens

- Length capacity – up to 28'
- Width capacity – up to 18'
- Height capacity – up to 15'

Welding Positioners

- 174" Ø
- 140,000 lbs. table capacity

Rotary Table

- 240" Ø
- 125,000 lbs. table capacity

Testing and Analysis

Measuring Equipment

- Laser tracker
- Portable CMM Equipment

Failure Analysis

Built for Your Operations

Design & Engineering:

We excel in expert design and engineering, focusing on upgrading heavy industrial equipment. Our veteran team specializes in advancing technology for large machines across diverse industries. From concept to prototype to field development, we enhance parts and assemblies for heavy equipment of any scale or complexity.

Manufacturing & Repair:

At L&H, we employ top experts for your toughest component repairs, rebuilds, and custom machine builds. Our skilled team understands your industry intimately and handles large machining and fabrication projects using cutting-edge equipment in our global facilities.

Monitoring & Controls:

L&H offers unmatched visibility into machine health and performance for both new and legacy equipment through advanced Ops IQ monitoring. This program prevents failures, reduces downtime, and improves performance by detecting anomalies, patterns, and trends. Utilize data reports to enhance performance, optimize maintenance schedules, and avoid unnecessary downtime.

Field Services:

L&H's expert team is ready to handle your industry's unique equipment challenges in the field. With broad industry expertise, we ensure you can resume operations safely, delivering quality, service, and innovation precisely when and where you need it.

