

Delivering the Difference
with the company most
qualified to handle all your
gearing and shaft needs.



HORSBURGH & SCOTT
DELIVERING THE DIFFERENCE

LASER WELDING

HORSBURGH & SCOTT PROVIDES EXPERT
IN-HOUSE LASER WELDING OF SHAFTS AND
HOUSING BORES TO ENSURE PRECISE, HIGH-
QUALITY REPAIRS AND CUSTOMIZATIONS
THAT MINIMIZE DOWNTIME AND MAXIMIZE
PERFORMANCE.

MINIMAL HEAT DISTORTION for
better dimensional accuracy

**SEAMLESS AND PRECISION
WELDS** for enhanced durability

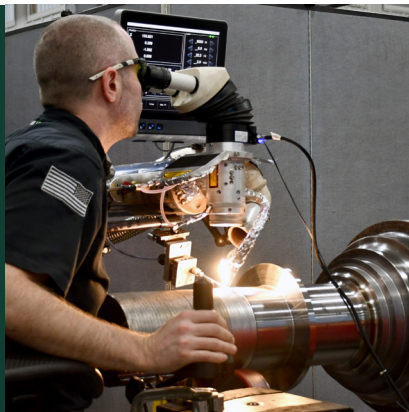
STRONGER JOINT INTEGRITY for
improved load-bearing capacity

CONSISTENT WELD QUALITY
with reduced post-processing
requirements

EXTENDED SERVICE LIFE with
superior resistance to wear and fatigue

RAPID EXECUTION verses
compared to size limitation as common
with other coating processes

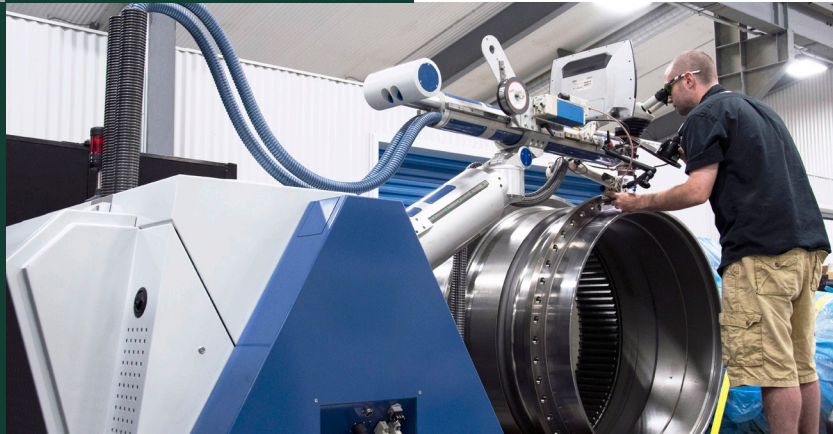
**SUPERIOR
TECHNICAL
COMPETENCE**
with over a century
of sophisticated
engineering
experience.



IN-HOUSE
welding center.



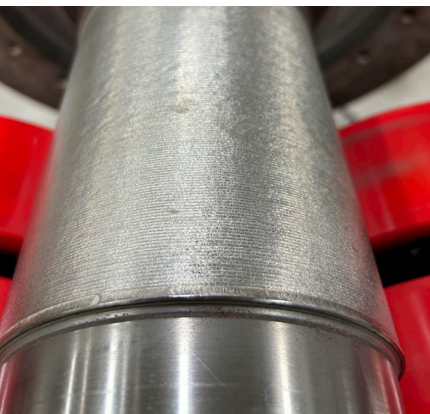
**EQUIPMENT AND
EXPERTISE**
to handle even
the largest gears
and shafts.



Advanced Laser Welding for Unmatched Performance

Horsburgh & Scott's state-of-the-art laser welding technology ensures your shaft journals are welded with **precision and built to last**. By applying focused, localized heat, we minimize distortion and preserve exact dimensional integrity, ensuring optimal performance, even in the most demanding environments.

Our precision laser welding provides durability and superior fatigue resistance to withstand repeated cyclic loading, ensuring long-lasting joint integrity that extends the life of your equipment. Whether your equipment is powering a steel mill, mining operation, or petrochemical plant, our welded components are designed to handle your toughest challenges.



SOLUTIONS FOR:

- Housing bores
- Shaft bridge journal reclamation
- Seal journal reclamation
- New shafting provides superior wear characteristics on seal journals

ENVIRONMENTALLY FRIENDLY

- No chemicals are utilized in the laser welding process
- No overspray contamination concerns
- Great replacement option for chrome (with many alternative overlay options available)

MARKETS SERVED

Aluminum
Cement
Industrial Equipment
Infrastructure
Marine
Material Handling
Mining
Oil & Gas
Power Generation
Pulp & Paper
Pumps
Rail
Steel
Sugar
Tire & Rubber

