Combustion System Repairs
Liner Repair and Upgrades

At Liburdi, we have developed state of the art refurbishment procedures for a large selection of high technology components in optimizing your turbine life “span”. Partnering with our welding business team, full sectional replacements are performed through the Pulsed power supplies assisting in reducing your overall component replacement costs.

Optimized Life Extension:
- Chemical stripping of original and applying new coating
- Improved wear resistance with chrome carbide coating
- Improved uniformity from automated welding

Enhance your upgrade with
- Wear Resistant Coating of Spring Seals and Cross Fire Tubes
- LSR® Aluminide Coating of the External Surface for Oxidation Protection Upgrade

Liburdi’s engineering team leads the industry in the development and application of component upgrades that address original design deficiencies and yield improved durability and increased power and efficiency. Several key technologies specifically our Liburdi Powder Metallurgy® (LPM®), Liburdi Slurry Re-Coating coatings and Full Solution Rejuvenation® (FSR®) offer you optimized component life cycle and interval management.

LPM® Power Metallurgy is a unique process developed and patented by Liburdi Engineering Limited. It is a high strength superalloy alternative to welding and diffusion brazing, and as such has been used extensively with a proven track record for over a decade for Industrial and Aircraft gas turbine components - for both advanced repairs and new part manufacturing. LPM® re-construction techniques strengthen critical high stress areas, and permit precise control when restoring airfoil wall thickness and throat area harmonics.

Liburdi’s extensive experience with heat treatment processes, combined with its unique stripping and coating capabilities, ensures that every repaired component meets or exceeds the original equipment performance and durability requirements in future service.

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