

FUEL NOZZLE CAPABILITIES

SMOOTH OPERATIONS THAT EXTEND ENGINE LIFE

Fuel nozzles directly impact turbine performance and plant profitability. Backed by 15 years of overhaul and manufacturing expertise, PROENERGY fuel nozzles deliver T48 spreads that support the smooth running and long life of your engine. And with expansive capabilities that meet the demands of your LM operations—including LM6000PC, LM6000PD, and LM2500 turbine platforms in liquid, gas, gas-water, dual-fuel, STIG types, and more—our solutions inject success into your business.

We empower you with the choice of repairs, rotatable sets, and new manufactured sets. For repairs, our detailed reports provide an analysis of each nozzle so you can choose how to go forward. Our dedicated fuel-systems technicians use precision equipment to execute world-class quality repairs and testing according to your preference. No matter the services selected, we provide a fully mapped set of nozzles calibrated to ± 2 percent to meet your demands.



THE PROENERGY DIFFERENCE

CUSTOMIZED CARE FOR YOUR OPERATIONS

Complete solutions for
LM6000PC/PD and LM2500

Rotable sets
to support continuous operations

Comprehensive reports
with details on each fuel nozzle

À la carte repairs as directed by the customer

Tighter T48 spreads with minimal deviations between nozzles



SKILLED

15
YEARS OF
EXPERIENCE



THOROUGH

20
STEP IN-HOUSE
REPAIR PROCESS



ACCURATE

$\pm 2\%$
FUEL NOZZLE
CALIBRATIONS

TIGHTER FLOW TOLERANCE FOR ALL NOZZLE TYPES

Our fuel systems center is built exclusively for high-performance fuel nozzle manufacturing and repair. Leveraging precision equipment such as a high-flow test stand, ultrasonic clean tank, and microspot welder, our on-campus experts maximize fuel-system efficiency. Our process includes precise calibrations for evenly distributed T48 spreads that extend the life of your hot section components and the performance of your engine.

Before initiating repairs, we clean and test your fuel nozzles, then send an inspection and assessment report for your approval. From there, we perform a comprehensive in-house workscope, including flow testing, brazing, machining, coating applications, welding, and non-destructive testing. The process concludes with a final post-repair report containing photos, flow data, and fuel nozzle arrangement for maximum performance.

YOUR LM SOLUTION CENTER

We offer repairs, rotables, and manufacturing for a range of LM6000 and LM2500 fuel nozzle types.

Turbines	Overhauls	New Manufacture
LM6000	Dual Fuel	Dual Fuel
	Gas Only	Gas Only
	Liquid Only	
	STIG	
LM2500	DLE Gas Only	
	Dual Fuel	
	Gas Only	
	STIG	
	Gas Water	

**MADE WITH PRIDE
IN THE USA**

STEPS THAT RAISE STANDARDS

As part of our fuel nozzle refurbishment process, we perform the following in-house checks to optimize system performance.

Nozzle calibration to ± 2 percent

Proper alignment and precision flow rates

Final inspection on combustor fuel tip

Nozzle arrangement for maximum efficiency

