

# Standard Combustion Fuel Nozzle Repair

## Product Sheet

The energy industry will be increasingly shaped by a combination of rapidly escalating fuel costs, environmental regulations and increased energy demand. This creates a challenge for owners of installed gas turbines, as they must adapt to alternate and varying qualities of fuel, cyclic operation and tougher emissions targets, all with a potential impact on asset economics. EthosEnergy has built a fuel and combustion service capable of addressing these emerging needs, working with our customers to sustain plant profitability.

Our Duncan SC Repair Team's primary focus is the overhaul, repair and calibration of gas and liquid fuel nozzles. Assemblies and components are inspected, refurbished, repaired and flow tested, resulting in tolerances that exceed industry standards. Even severely damaged parts can be reconditioned and returned to service providing operators with a cost effective alternative, avoiding the need to purchase new parts.

### Key Features

All repairs and repair processes comply with our ISO 9001 certification.

### Application

- Suitable for all gas only or dual fuel systems
- Base load as well as peak load operation up to a rated firing temperature of between 1770°F / 966°C and 20184°F / 1140°C (+50°F/ 28°C peak)



### Repair Options Available

- Main body repairs on fuel nozzle due to corrosion
- Liquid fuel and water tip replacement
- New manufactured replacement parts are available if required due to damage

### DLN 1 & DLN 1 + Repair Capabilities

- 191 fuel nozzles oil only, gas only, dual fuel
- 251 fuel nozzles oil only, gas only, dual fuel
- 301 fuel nozzles oil only, gas only, dual fuel
- 501 fuel nozzles oil only, gas only, dual fuel
- 701 fuel nozzles oil only, gas only, dual fuel



EthosEnergy is a leading independent service provider of rotating equipment services and solutions to the power, oil & gas and industrial markets. Globally, these services include facility operations & maintenance; design, manufacture and application of engineered components, upgrades and re-rates; repair, overhaul and optimization of gas and steam turbines, generators, pumps, compressors and transformers; delivery of gas turbines and generators, and supply of overhauled and warrantied equipment on a FAST TRACK basis.