Gas Turbine Ignition Systems

RELIABLE STARTS BEGIN WITH SMARTER IGNITION TECHNOLOGY.

No matter what type of gas turbine you operate—from microturbines to large-frame utility turbines—upgrading your ignition systems for better performance and reliability is simple with **Chentronics High Energy Ignition (HEI) Systems**.

PROPRIETARY PREDICTIVE DIAGNOSTICS: HELP AVOID MISSED STARTS

Our exclusive **predictive diagnostics technology** continuously monitors ignition system health and alerts you **before a fault occurs.** This gives you the power to replace igniter tips *proactively*, avoiding missed starts and costly downtime that other ignition systems can't warn you about.

WHY CHOOSE CHENTRONICS GAS TURBINE IGNITION SYSTEMS?

- **Unsurpassed fuel-type diversity:** Supports seamless switching between liquid and gas fuels without hardware changes.
- **Optimized sparks-per-second (SPS):** Tuned for different fuel types to maximize ignition reliability.
- **Pressure-sealed igniter tips and cables:** Protects against moisture and contamination.
- **Hazardous area rating:** Safe for use in demanding environments
- **Flexible Power Inputs:** Compatible with both AC and DC power sources
- **Certified and compliant:** ETL listed, CE, UL, CSA certified, with ATEX options available
- **Solid-state technology:** Delivering durable, maintenance-friendly ignition performance.

Minimize downtime and maximize performance with Chentronics. Call us today.

Chentronics HEI Systems

DUAL-FUEL RELIABILITY

Proven in thousands of gas turbines worldwide—including many dual-fuel applications—Chentronics HEI Systems combine extensive field experience with years of ignition R&D. This deep expertise allows us to precisely calibrate the spark rate to the exact number of sparks-per-second needed for reliable dual-fuel ignition.

The result? Dependable starts across multiple fuel types without any need to adjust settings, helping you maintain seamless operation and maximum uptime.

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Chentronics®
IGNITING INNOVATION

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Ignition reliability starts with knowing when faults will occur, allowing you to prevent failures before they happen. Chentronics predictive diagnostics deliver real-time alerts that enable proactive maintenance and uninterrupted operation.

HARDWARE SPECIFICATIONS.*

System Model: LO-4

Suitable Fuels: Gas, light oils, bio diesel

Diagnostics: Built-in predictive life diagnostics

Moisture Protection: Moisture seal available

Solid State Electronics: Internal electronics are rated Class 1, Division 2

System Input Power: 100-240 VAC 50/60 Hz

Stored Energy (Joules): 12

Spark Rate (nominal SPS): 4

Typical Exciter Size: 11 x 7 x 7 in. (279.4 x 177.8 x 177.8 mm)

Igniter Temperature Rating: Up to 1,832°F (1,000°C)

Exciter Temperature Range: -13 to 167°F (-25 to 75°C)

Available with a single- or dual-output exciter and a variety of igniter tips.

Dual-Output Exciter

MTE Exciter

System Model: MTE

Suitable Fuels: Gas, light oils

Diagnostics: Built-in predictive life diagnostics

Moisture Protection: Moisture seal available

Solid State Electronics: Internal electronics are rated Class 1, Division 2

System Input Power: 100-28 VDC

Stored Energy (Joules): 2

Spark Rate (nominal SPS): 5

Typical Exciter Size: 7 x 5 x 3 in. (177.8 x 127.0 x 76.2 mm)

Igniter Temperature Rating: Up to 1,832°F (1,000°C)

Exciter Temperature Range: -18 to 185°F (-25 to 85°C)

Specifications subject to change at any time.

FOR DETAILED INFORMATION AND A FULL LIST OF COMPATIBLE TURBINES, SCAN THE QR CODE AND EXPLORE THE LATEST FROM CHENTRONICS.

UTILITIES | INDUSTRIAL | PETROCHEMICAL | MARINE | GAS TURBINES | BURNERS | PILOTS | FLARES