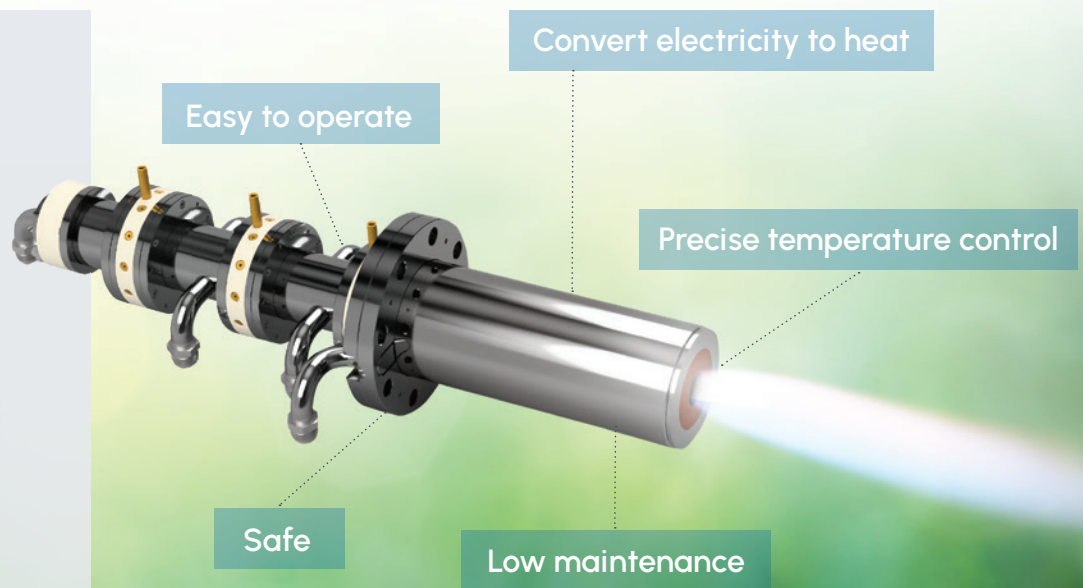


APT-HP PLASMA TORCH

Energy-efficient solution to electrify any high-temperature industrial process

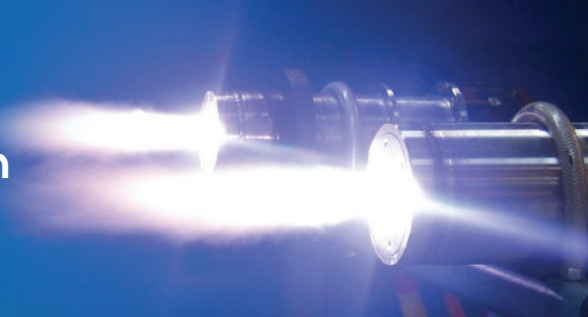
Replace gas or oil burners with electric plasma torches in any industrial furnace application.

- Capacity to reach high power level (up to 5 MW)
- Eliminate dependence on fossil fuels for your production
- Zero GHG emissions
- 70-80% efficient at converting electricity into heat



PyroGenesis Canada Inc. is a world-renowned company certified by ISO 9001:2015 and AS9100D, specializing in the high-temperature processing of materials and waste. We count the U.S. Navy and the U.S. Air Force among our extensive client base.

PyroGenesis' plasma torch transforms clean electric energy into high-temperature heat



BENEFITS

- Reduces GHG emissions by up to 250 tonnes of CO₂e per GW-h
- 70 kg CO₂e per MMBTU when clean electricity source is available
- Reduces operating costs by up to 30%
- Easy to operate
- Low maintenance
- Safe
- Reliable

FEATURES

Electrode Life

- Cathode: 1000 hours
- Nozzle: 500 hours
- Anode: 500 hours

Plasma-forming Gas

- Air
- Nitrogen
- Others available

Safety & Operability

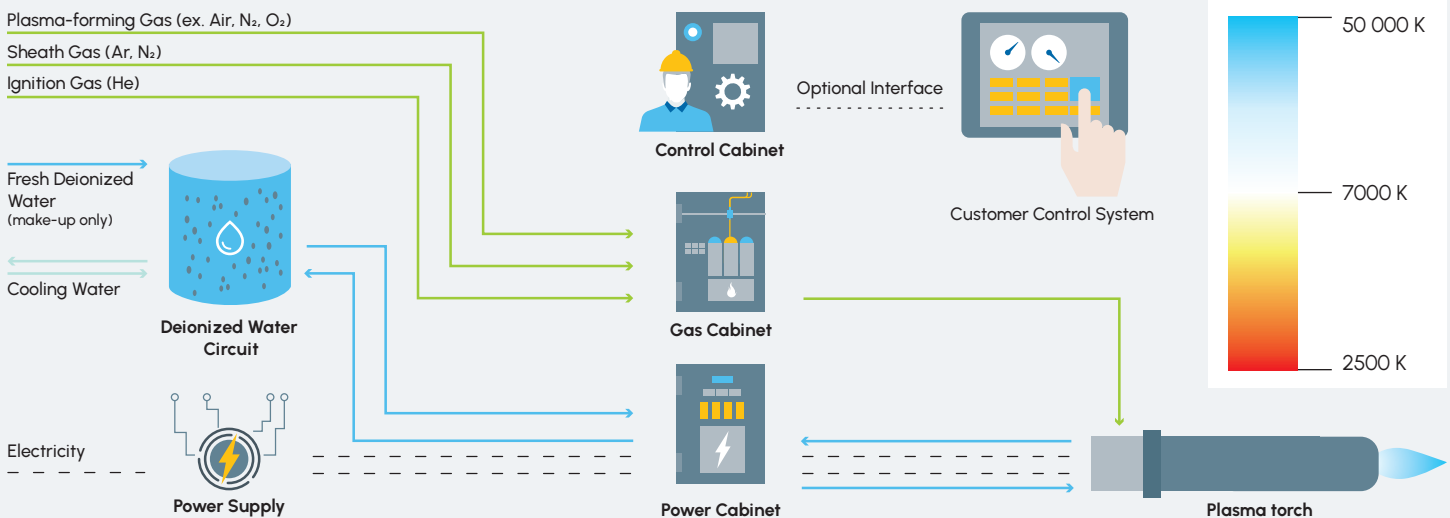
- Electrically-isolated torch cover
- Automatic control

MAIN APPLICATIONS

- Aluminum furnaces (cast-house, scrap recycling, anode baking furnaces)
- Iron ore induration furnaces
- Other furnaces across the Steel, Cement, Copper, Zinc and Glass industries

FULLY-INTEGRATED PLASMA TORCH SYSTEM

PyroGenesis Standard Scope of Supply



For more information, please contact:

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