

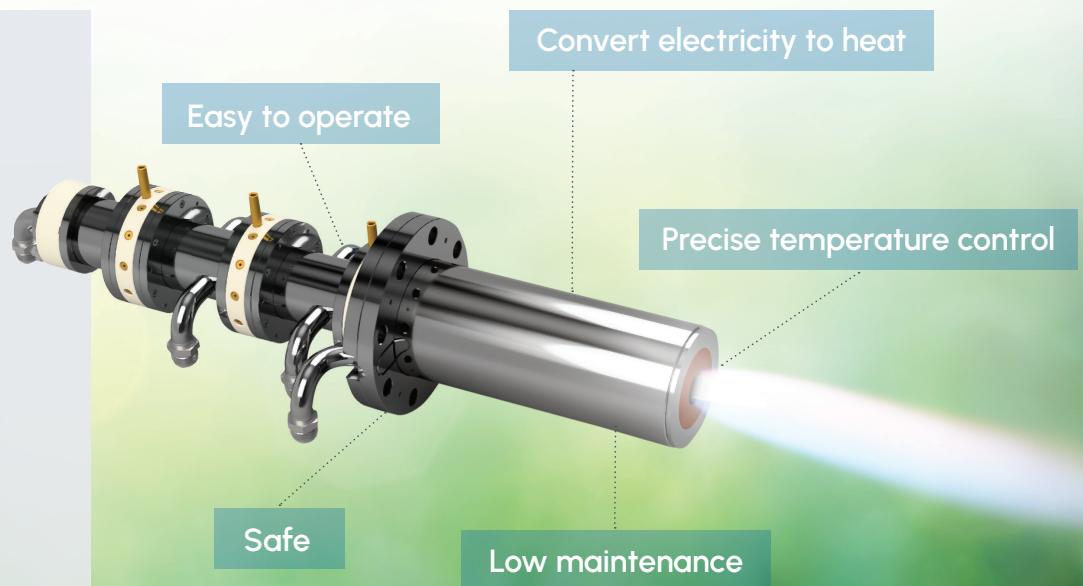


APT-HP PLASMA TORCH

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

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

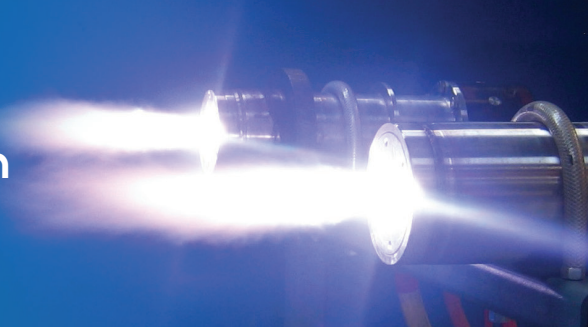
- Capacity to reach high power level (up to 5 MW)
- Eliminate dependence on fossil fuels for your production
- Zero GHG emissions
- 70-80% efficient at converting electricity into heat



Why Choose PyroGenesis?

We are leaders in the high-temperature plasma processing of materials and waste. Our clients include primary aluminum producers, major aluminum casting companies, multinational mining companies, metallurgy companies, and the U.S. Navy.

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

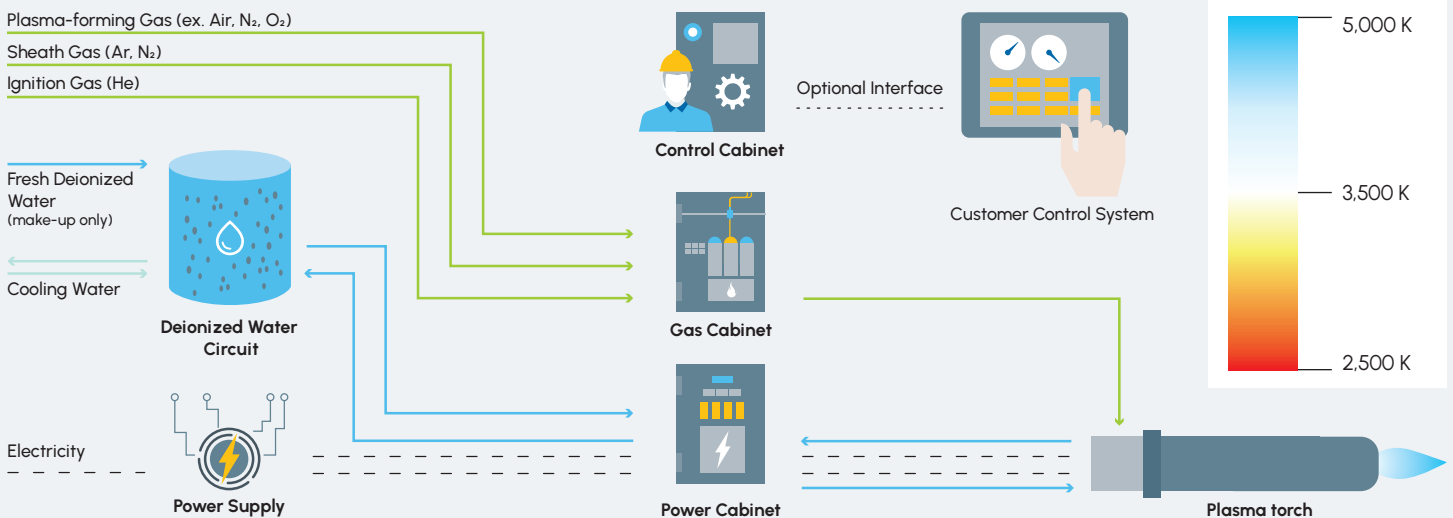
- Electrically-isolated torch cover
- Automatic control

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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