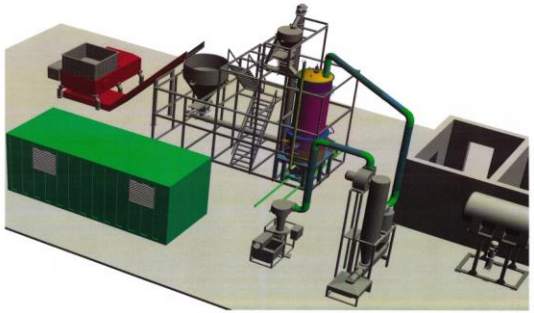
Plasma Furnaces and Reactors

Intelligent Solutions for Waste Management

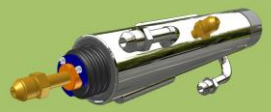


HTT Corporation offers a wide variety of Plasma Arc Torches

Plasma Arc Torch is an integral component of a plasma furnace or a plasma reactor. It generates a directed flow of plasma from its nozzle and can treat all types of waste, including organic and inorganic materials.

HTT Corporation is the leader in design, development and manufacturing of the plasma based waste treatment systems.

High Temperature Technologies Company is a privately-owned firm based in Canada. It offers environmentally-friendly solutions for waste treatment and disposal. Its highly innovative technology is based on plasma arc torch and is suitable for the treatment of liquid, disperse and solid waste. It produces virtually no emissions and is thus one of the most safe and sustainable solutions for waste disposal, available on the market today.



- Cost Competitive
- Environmentally-friendly
- Meets regulatory requirements worldwide
- Produces no emissions or toxic slag
- Simple to operate and requires low maintenance

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High Temperature Technologies Corporation

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Intelligent Solutions for Waste Management

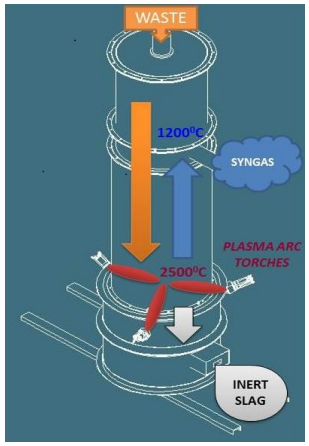
...THAT MEET YOUR NEEDS AND ENVIRONMENTAL STANDARDS

You decide to create a better future. We make it happen.

Plasma Furnace PP-500/1000

HOW DOES FURNACE WORK?

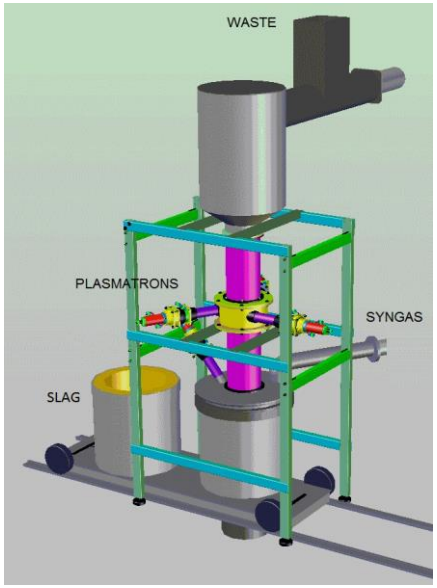
Plasma pyrolysis is used to safely process various types of waste, either in a furnace or a reactor. The main element of plasma technology is a plasma arc torch. A plasma torch uses gas or steam and powerful electrodes to create plasma with a temperature up to 4000 degrees Celsius, which allows for full decomposition and disintegration of organic components. After this processes all presenting toxic and hazardous components completely removed from the resulting product. As a result of treatment of the Waste pure synthesis gas and inert slag are created at the exhaust of the furnace.



Technical Characteristics

Model	PP-1000	PP-100T	PP-50M	PP-100RW	PP-150A
Capacity	1000kg/h	100kg/h	50kg/h	100kg/h	150kg/h
Power	750kW	150kW	100kW	200kW	300kW
Plasma torch	3x250kW	3x50kW	2x50kW	2x100kW	1x300kW
Air	-	-	-	-	-
Water	-	-	-	-	-
Area	200 m^2	100 m^2	100 m^2	1000 m^2	100 m^2

Plasma Reactor PR-100



Technical Characteristics

Model	PR-50	PR-100
Capacity	50kg/h	100kg/h
Power	150kW	200kW
Plasma torch	3x50kW	3x75kW
Air	85 m^3h	190 m^3h
Water	1.5 m^3/h	3 m^3/h
Area	100 m^2	100 m^2

HTT CORP. ENRICHES THE ENVIRONMENT BY DELIVERING ADVANCED PLASMA SOLUTIONS TO BUSINESSES AND GOVERNMENTS WORLDWIDE.