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
Gas Plasma Arc Torch

Technical Characteristics

<table>
<thead>
<tr>
<th>Model</th>
<th>PPT-50DC</th>
<th>PPT-100AC</th>
<th>PPT-250AC</th>
<th>PPT-300DC</th>
<th>PPT-500DC</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Power</strong></td>
<td>50-100kW</td>
<td>100kW</td>
<td>200kW</td>
<td>300kW</td>
<td>500kW</td>
</tr>
<tr>
<td><strong>Current</strong></td>
<td>120-250A</td>
<td>300A</td>
<td>500A</td>
<td>500A</td>
<td>600A</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>500V</td>
<td>380V</td>
<td>450V</td>
<td>700V</td>
<td>900V</td>
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<tr>
<td><strong>Gas</strong></td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Water</strong></td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Electrode</strong></td>
<td>Cuprum</td>
<td>Cuprum</td>
<td>Cuprum</td>
<td>Cuprum</td>
<td>Cuprum</td>
</tr>
<tr>
<td><strong>Efficiency</strong></td>
<td>0.75</td>
<td>0.75</td>
<td>0.75</td>
<td>0.8</td>
<td>0.75</td>
</tr>
</tbody>
</table>

Steam Plasma Arc Torch

The new technological application of steam instead of air in plasma torches does not create additional harmful compounds of nitrogen (N, NOx etc.) during gasification of various wastes and simplifies the clearing system of outlet gases.

PLASMA ARC TORCH:
- IS A STRONG STEEL TUBE OF THAT ENCLOSES THE ESSENTIAL COMPONENTS INCLUDING:
  - ELECTRODES
  - GAS INJECTORS
  - INSULATORS
  - SPACERS
- USES ANY TYPE OF GAS (• AIR | • AR | • N₂ | • O₂ | ETC)
- USES COPPER (CU) ELECTRODES
- CAN BE APPLIED AT ANY ANGLE
- CAN OPERATE IN TRANSFERRED AND NON TRANSFER MODES
- A HERMETIC SEAL CAN BE APPLIED AROUND THE STEEL SHROUD OF THE TORCH, IF NEEDED.

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