



Airtorch™ Models:

| <u>AT and AAT Models (1200°C)</u> (new higher temperature) <u>controls required</u> | | <u>accessories</u> | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------------|---------------------|--------|----------------|-------------|
| <u>Contact for models for 900-1200C use.</u> Applications: | | | | | | | |
|   <u>AT-PV</u> (Sealed Models) | <ul style="list-style-type: none"> • Automotive Sensor • Simulation • Brazing • Furnaces • IC's • Debinding • Curing • Melting • Solid Oxide Fuel Cells | | | | | | |
| | <table border="1"> <thead> <tr> <th>Maximum Temperature</th> <th>Key Selection Feature</th> <th>Typical Power Range</th> </tr> </thead> <tbody> <tr> <td align="center">1200°C</td> <td align="center">In-line or Fan</td> <td align="center">0.5 to 60kW</td> </tr> </tbody> </table> | Maximum Temperature | Key Selection Feature | Typical Power Range | 1200°C | In-line or Fan | 0.5 to 60kW |
| Maximum Temperature | Key Selection Feature | Typical Power Range | | | | | |
| 1200°C | In-line or Fan | 0.5 to 60kW | | | | | |
| general specifications: | | | | | | | |

| | |
|----------------------------------------------------------------------------|------------------------------------|
| <u>MTA925 and MVTA925 (925°C) - NEW!</u> (For process gas) | <u>accessories</u> |
|----------------------------------------------------------------------------|------------------------------------|

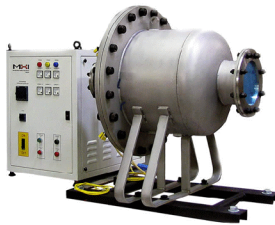
Features and Applications:



[MTA925-2 2kW](#)



[MTA925-12 12kW](#)



- Robust Design
- Niche Automotive Applications
- Service Plan (No Downtime)
- Solid Oxide Fuel Cells
- 2kW to 600kW Models
- Integration technology
- Installation services provided
- Testimonials
- Special application with low cost blowers and high CFM
- Energy Sensitive

| | Maximum Temperature | Key Selection Feature | Typical Power Range |
|--------------------------------|---------------------|-----------------------|---------------------|
| general specifications: | 925°C (1700F) | In-line only | |

High Pressure Models [AT-PV \(1200°C\)](#) and [GTA \(850°C\)](#) controls required

[accessories](#)



[GTA](#)

Applications:

- Automotive Sensor
- Simulation
- Brazing
- Furnaces
- IC's
- Debinding
- Curing
- Melting
- **Solid Oxide Fuel Cells**
- **Combustion studies**

| | Maximum Temperature | Key Selection Feature | Typical Power Range |
|--------------------------------|---------------------|-----------------------|---------------------|
| general specifications: | 850-1200°C | Pressure Vessel Model | 6 to 400kW |

LTA (850°C), VTA (900°C), SLTA (900°C) (from 1kW to 300kW) accessories



NEW - VTA's even > 300kW and 900C+.

Applications:

- Drying
- Packaging
- Curing
- Coating
- Ovens and Paint Stripping
- Models can directly be plugged into 110/208/220/240/380/440/480V
- **Chemical Processing**
- **Biomedical Processing**
- **Microbiology**


| | Maximum Temperature | Key Selection Feature | Typical Power Choose appropriate model |
|--------------------------------|---------------------|-----------------------|--------------------------------------------------|
| general specifications: | LTA850°C | In-line | 1 to 60kW |
| | VTA900°C | Blower/Fan | 1 to 600kW |


HGA System - Superheated Steam Generator accessories

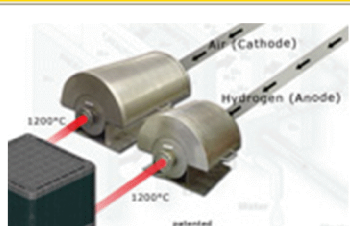



For drying, cleaning, layering, reaction engineering, epoxy drying and film use where saturated to highly superheated steam is required at one atmospheric pressure or at high pressure. Ideal for steam drying, steam-oxidation and chemical processing. Product has uses in surface technologies, cleaning technologies, steam drying, catalysis, chemical reaction processing, surface drying technologies, curing technologies, energy systems and nano technologies. Also use for precipitating crystals by controlling the rate of cooling, impingement conditions, steam concentration and the type of surface. The technology is patented and patent applied, and uses MHI materials, MHI devices, MHI time-tested controls and most importantly MHI customer service.


| | Maximum Temperature | Key Selection Feature | Typical Power Range |
|-------------------------------------------|---------------------|-----------------------|---------------------|
| general specifications: HGA-CX1000 | up to 1500C | Superheated Steam | Several |

| Plasma Models (1300°C) controls required | | accessories | |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------|
|  | Applications: <ul style="list-style-type: none"> • Surface Cleaning • Microbial Cleaning • Coatings and Film • Brazing Alloys • Semiconductor and Waste Beneficiation | | |
| | Maximum Temperature | Key Selection Feature | Typical Power Range |
| general specifications: | 1300°C | Plasma | 1 to 10 kW |

| Ultra Models (1400°C) controls required | | accessories | |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------|
|  | Applications: <ul style="list-style-type: none"> • Inline Gas Heating • High Gas Out-put Available | | |
| | Maximum Temperature | Key Selection Feature | Typical Power Range |
| (Special Order Only) general specifications: | 1400-1500°C | In-line or Fan | 2.5kW |

| Fuel Cell & Hydrogen Heaters | | accessories | |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------|---------------------|
|  | Application: <ul style="list-style-type: none"> • Fuel cell and hydrogen | | |
| | Maximum Temperature | Key Selection Feature | Typical Power Range |
| (Special Order Only) general specifications: | Please Call | In-line | |

| Micro Models LTA600-130 Micro Airtorch™ | | accessories | |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------|
|  | Application: <ul style="list-style-type: none"> Fuel Cell and Hydrogen Proton Exchange Membrane (PEM) Alkaline (AFC) Direct Methanol (DMFC) Phosphoric Acid (PAFC) Molten Carbonate (MCFC) | | |
| | Maximum Temperature | Key Selection Feature | Typical Power Range |
| general specifications: | Please Call | In-line | |

| High Efficiency Recirculating Ovens | | accessories | |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------|
|  | Application: <ul style="list-style-type: none"> Ageing Drying Curing Dental Laboratory | | |
| | Maximum Temperature | Key Selection Feature | Typical Power Range |
| general specifications: | 250C (special order for higher) | Energy Efficiency and Uniformity | 1 to 2 kW |

| Models for 3000°C | | accessories | |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------|
| | Application: <ul style="list-style-type: none"> Plasma Abatement Highest Gas Out-put Available | | |
| | Maximum Temperature | Key Selection Feature | Typical Power Range |
| general specifications: | 3000°C and | In-line or Fan | |



beyond

