

PLASMA NITRIDING FURNACE

Plasma Nitriding Furnace

We have uniquely developed this plasma nitriding furnace with built-in heater. It has many characteristics that are superior to those of conventional ion nitriding furnaces. Since it is possible to control the temperature zone, uniform temperature distribution is obtained. This enables uniform bulk treatment and consolidated treatment of any products to be carried out.



Plasma Nitriding Furnace

FEATURES

- With the built-in heater, this furnace demonstrates characteristics that are superior to those of conventional ion nitriding furnaces.
- Uniform temperature distribution is obtained.
- Temperature zone control enables large items of equipment to be used to carry out uniform bulk treatment.
- Since the plasma discharge process is gentle, the surface condition (surface roughness) of works is almost unchanged.
- Consolidated treatment of materials of different works is allowed.
- Works that have complicated shapes can be treated at a stable quality level without causing the parts to be unevenly nitrided.

SPECS

| Model | Container dimensions | Dimensions of effective working zone | | | Max. treating weight (kg/gross) | Max. treating surface area (m ² /gross) | Standard treating temperature (°C) |
|----------|----------------------|--------------------------------------|--------|--------|---------------------------------|--|------------------------------------|
| | | Width | Height | Length | | | |
| CNH-6320 | ø 1400 x 3000L | 630 | 630 | 2000 | 1000 | 7 – 8 | 350 – 570 |
| CNH-8020 | ø 1800 x 3200L | 800 | 800 | 2000 | 1500 | 10 – 12 | 350 – 570 |

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