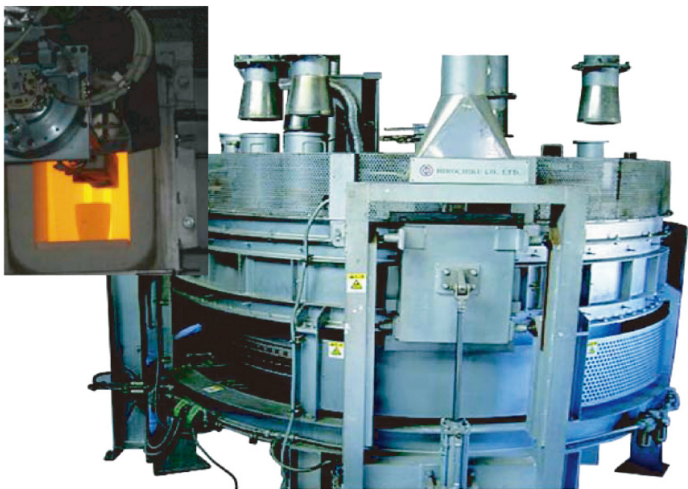


Rotary Hearth Furnace (RF)

This furnace consists of a rotary-hearth-type continuous furnace and an industrial robot. It has succeeded in improving the environment for dry analysis melting tasks, saving labor and improving accuracy.



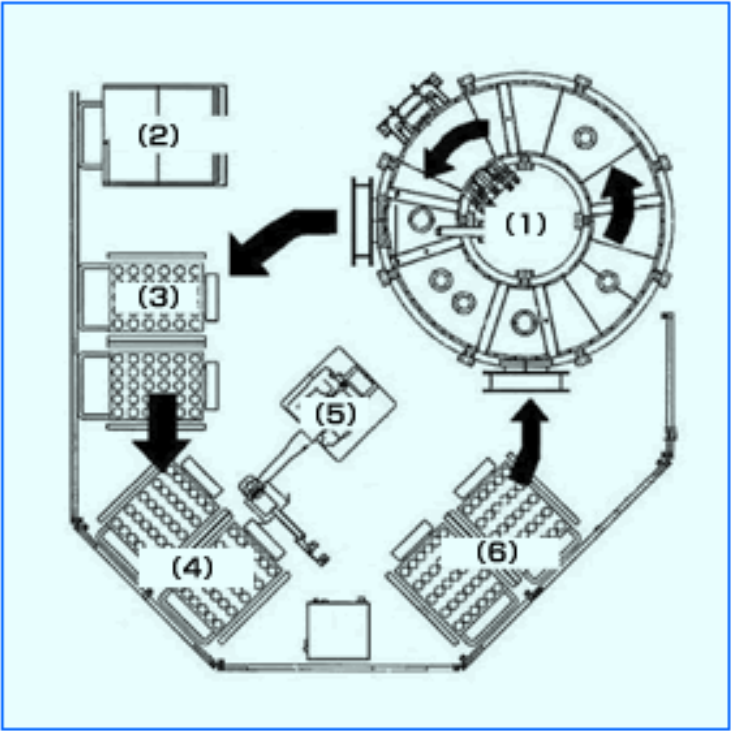
features

- Mechanization of high-temperature mask tasks
- Robotization of skilled tasks
- Downsizing of personnel
- Increased processing capacity
- Uniform temperature inside furnace
- Prevention of contamination
- Space saving

[Specifications]

Model	RF
Temperature	MAX.1250℃
Atmosphere	Atmospheric air
Heater	SiC
Capacity	MAX. 90 secs/unit
Dimensions inside furnace	W420×H310mm
Crucible dimensions	φ95×H137mm
Footprint	5800×5900mm
Robot	1 unit (CCD camera & AC servomotor control)
Scope of automation	1 unit (CCD camera & AC servomotor control)
Option	Remote monitoring (Robot, Temperture, High-pressure air etc.)

[Facility configuration]



- (1.)Furnace body
 - (2.)Heater for drying molds
 - (3.)Mold
 - (4.)Trolley for collection
 - (5.)Robot
 - (6.)Trolley for injection
- Naoshima Smelter & Refinery of Mitsubishi Materials Corporation (supplied in 2005)
 - Won the Japan Mining Industry Association's award in 2006
 - Patent application number: 2006-119908
- Name: Automatic melting system