

MIM – Sintering plant



Technical Information

Debinding and sinter furnace for Metal Injection Moulding (MIM) parts

Usable Space:
400 x 400 x 800 mm

Sintering temperature:
up to 1600 °C

Vacuum:
up to 5×10^{-2} mbar (optional 5×10^{-5} mbar)

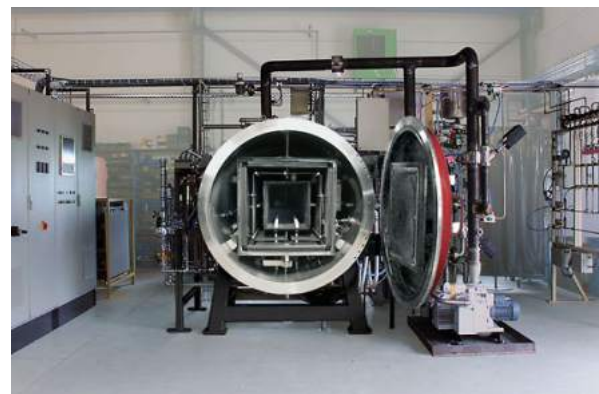
Heating:
multi-zone-molybdenum heating

Insulation:
Radiation protection plate made of molybdenum and stainless steel

Process gas:
Hydrogen / argon / nitrogen used in standard pressure and partial pressure

All furnaces are designed, planned and constructed by TISOMA in accordance with the requirements of our customers.

We are looking forward to your conceptual formulation to realize your entirely customized furnace solution – tailored to your production conditions.



Furnace with a molybdenum heating

Our clients do not want explanations, but solutions to their problems!

TISOMA - the company

The foundation of TISOMA Anlagenbau und Vorrichtungen GmbH was in 1996. The demand of our client forms the center of our work having as motto:

„The client does not want the explanation,
but the solution of his problem.“

The base of our capabilities is our highly qualified personnel. We are in the position to serve with our staff members the following fields of business:

- **Hard metal**
- **sintered metal**
- **ceramics**
- **metal injection moulding**
- **other applications**



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Engineering

We design and construct for you:

- Electrically heated industrial furnaces up to 2000°C under vacuum and various atmospheres
- Furnaces according to the specific requirements of the client
- Heat treatment equipment applying inert gas and vacuum
- Mills equipment with agitator
- Ball mills
- Drying plants for suspensions
- Machines for CNC-treatment of hard metal green compacts and ceramics

Furthermore we built for you:

- Assemblies and machines according to outside designs
- Partial components of plants
- Electrical and electronical equipment with modern control engineering
- Mounting fixtures
- Welding fixtures
- Special equipment for mass production (CNC-techniquw)
- Measuring devices
- Special processes

How to reach us

