

EISENMANN

Furnace concepts for the PM industry

Top sintering results with roller drive and lock systems



Improved processing method for the PM industry: Modular sintering and heat treatment up to 1350 °C



Roller hearth furnace for sintering process up to 1280 °C

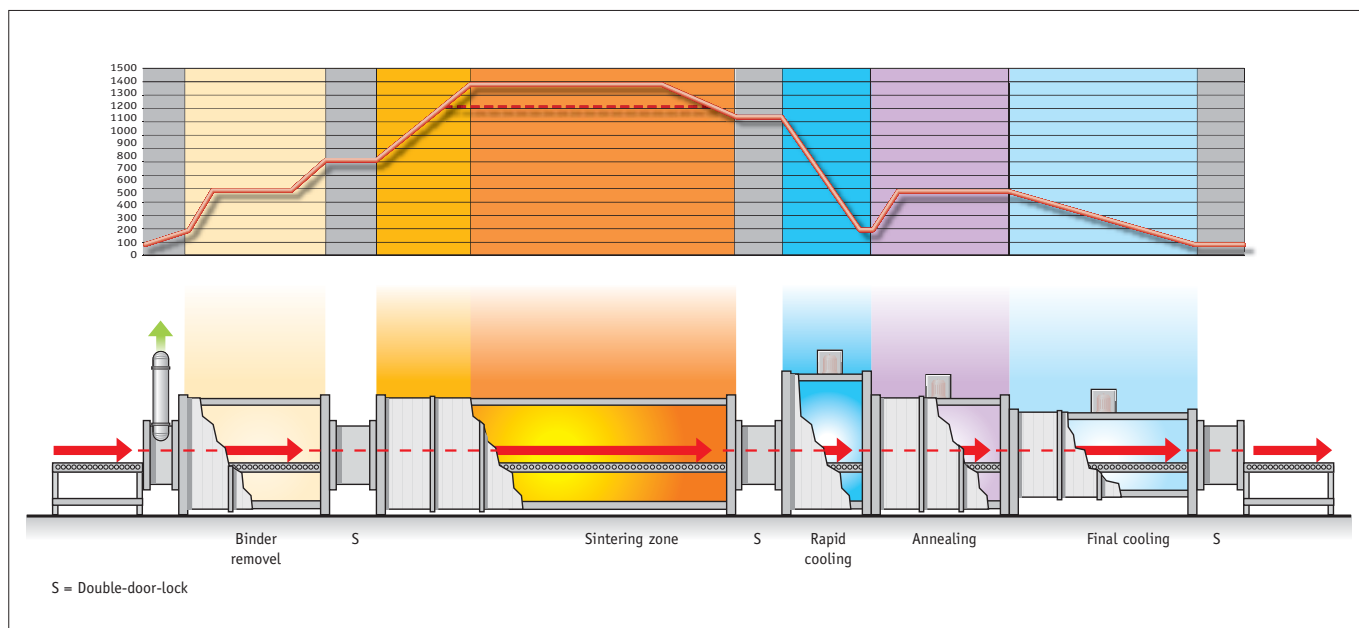
Perfected furnace technology

Roller-type furnaces with double-gate door systems allow optimum adaption to the metallurgical requirements of the sintering process thanks to their high flexibility. With sintering temperatures of up to 1,350 °C, atmosphere separation and precise setting of the temperature profile, it is possible to manufacture traditional and modern materials reproducibly with the very highest quality.

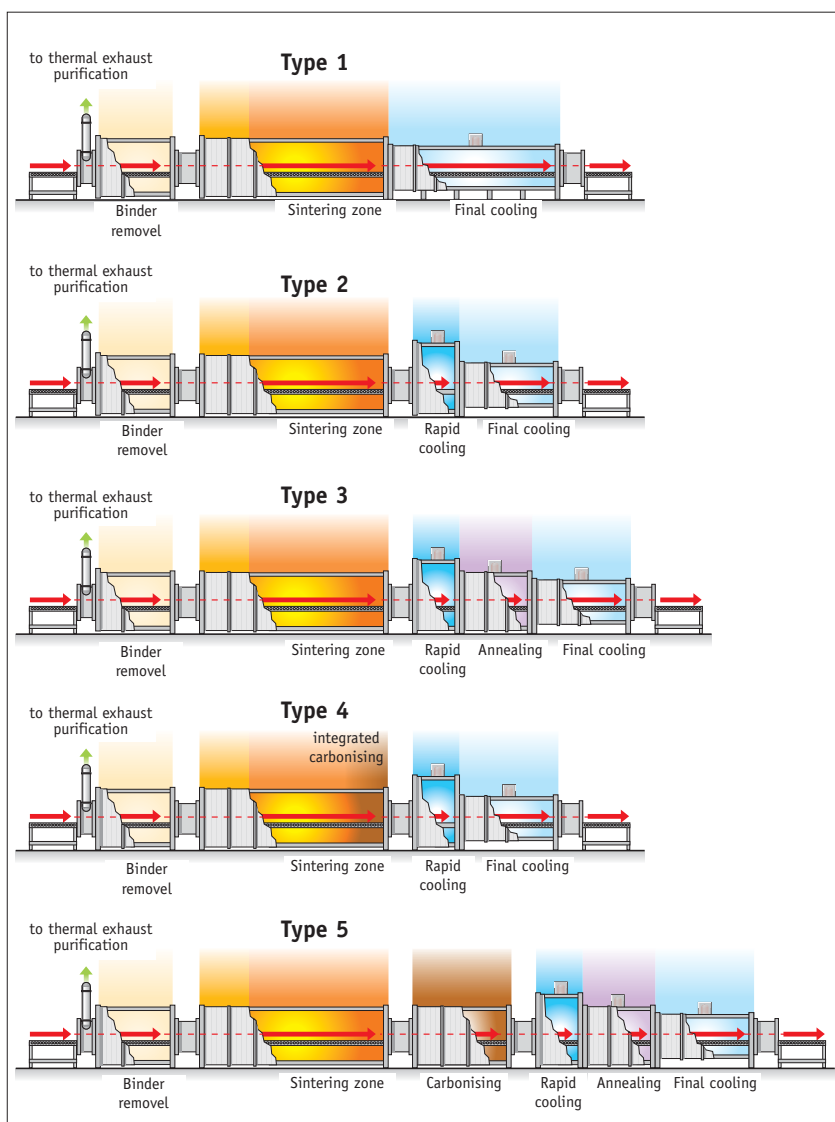
EISENMANN introduced this technology to the PM industry. The new, energy-optimized generation of roller-hearth furnaces greatly enhances efficiency when sintering. Even small throughputs can be manufactured economically with them.

Detail: Rapid cooling zone with double door air lock





Temperature profile over furnace length (example furnace type 3)



The furnace concept

With this innovative concept for the furnace, EISENMANN has created a new standard for sintering with integrated heat treatment of PM parts.

The roller hearth furnace offers the ability to have economic single layer sintering and guarantees high reproducibility in terms of dimensional accuracy and metallurgy.

A process control system and monitors all product-related process parameters.

Preventive maintenance is checked based on trends derived from historical data.

EISENMANN's roller hearth furnaces for the PM industry are designed to meet all safety requirements.

Modular roller hearth furnace types

EISENMANN

www.eisenmann.com

EISENMANN Anlagenbau GmbH & Co.KG
Tuebinger Strasse 81
71032 Boeblingen · Germany
Daimlerstrasse 5
71088 Holzgerlingen · Germany
Phone +49 7031 78-0
Fax +49 7031 78-1000
info@eisenmann.com

EISENMANN Service GmbH & Co.KG
Tuebinger Strasse 81
71032 Boeblingen · Germany
Phone +49 7031 78-3000 (6.30 - 18.30 h)
Fax +49 7031 78-3200
info@eisenmann.com

EISENMANN Ingeniería S.A.
Parc de Negocis Mas Blau
Edificio Prima Muntadas
c/Berguedà, 1 · Barcelona
08820 El Prat de Llobregat
Phone +34 93 479-6610
Fax +34 93 479-6620
info.spain@eisenmann.com

EISENMANN France S.a.r.l.
Espace Lumière · 2, Rue Pathé
78406 Chatou Cedex
Phone +33 1 30159800
Fax +33 1 30531009
info.paris@eisenmann.com

EISENMANN Italia S.r.l.
Via Ferrari, 21
21047 Saronno (VA)
Phone +39 02 96718-626
Fax +39 02 96718-629
info.italia@eisenmann.com

EISENMANN U.K. Ltd.
Unit 118 Severn House
Anson Court Business Centre
Staffordshire Technology Park
Beaconside · Stafford
Staffordshire ST18 0GB
Phone +44 1785 283790
Fax +44 1785 283799
info.uk@eisenmann.com

EISENMANN Corporation
150 East Dartmoor Drive
Crystal Lake · Illinois 60014 · USA
Phone +1 815 4554100
Fax +1 815 4551018
info@eisenmann.com

EISENMANN do Brasil
Avenida Duquesa de Goiás, 716
3º andar · Bairro Real Parque
CEP: 05686-002 São Paulo SP
Phone +55 11 21611200
Fax +55 11 37580030
info.brasil@eisenmann.com.br

EISENMANN S.A. DE C.V. Mexico
Blvd. 15 de Mayo 2933
Fracc. Las Hadas
72070 Puebla, Pue.
Phone +52 222 2311712
Fax +52 222 2498835
info.mexico@eisenmann.com

EISENMANN Shanghai Co. Ltd.
Room 301, Gubei Intern. Fortune Center
No. 1452, Hong Qiao Road
Changning District
Shanghai 200336 · P.R. China
Phone +86 21 31352188
Fax +86 21 31352199
info@eisenmann.sh.cn

OOO EISENMANN
Ul. Pyatnitskaya 47-1
119017 Moscow
Russian Federation
Phone +7 495 951-6824
Fax +7 495 951-5211
info.russia@eisenmann.com

EISENMANN India Pvt. Ltd.
EISENMANN Surface Finishing Systems
India Pvt. Ltd.
Technosoft Knowledge Gateway · 1st Floor
Plot No. B-14 · Road No. 1
Wagle Industrial Estate
Thane (W) 400 604 Maharashtra · India
Phone + 91 22 2583 2929
Fax + 91 22 2583 3800
info.india@eisenmann.com