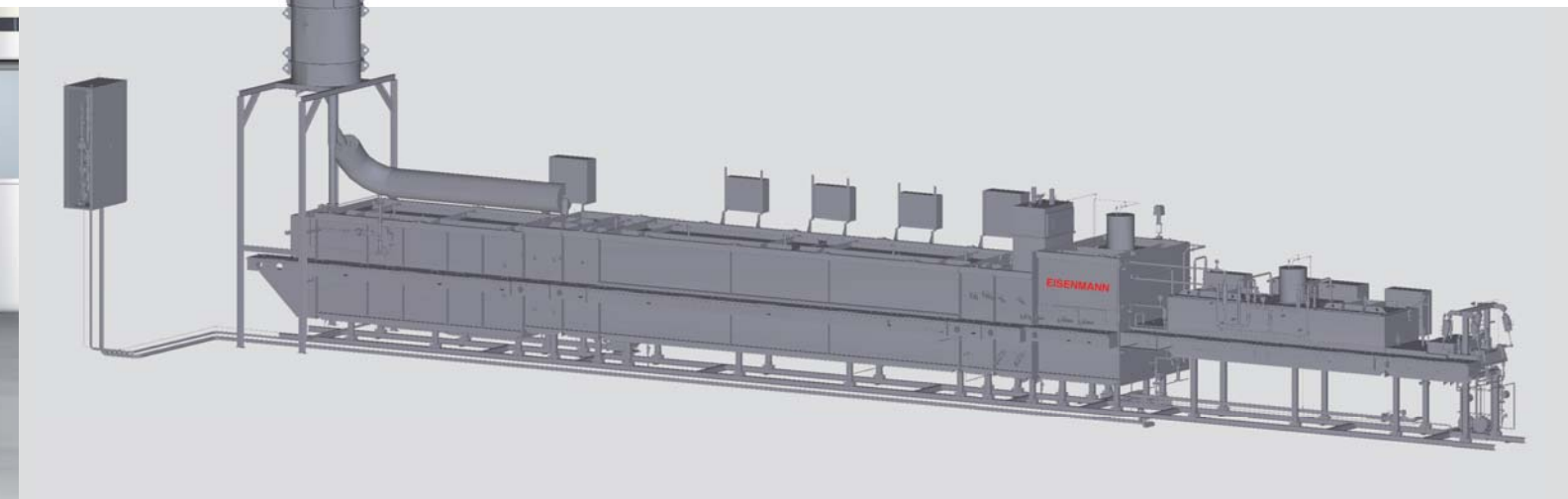
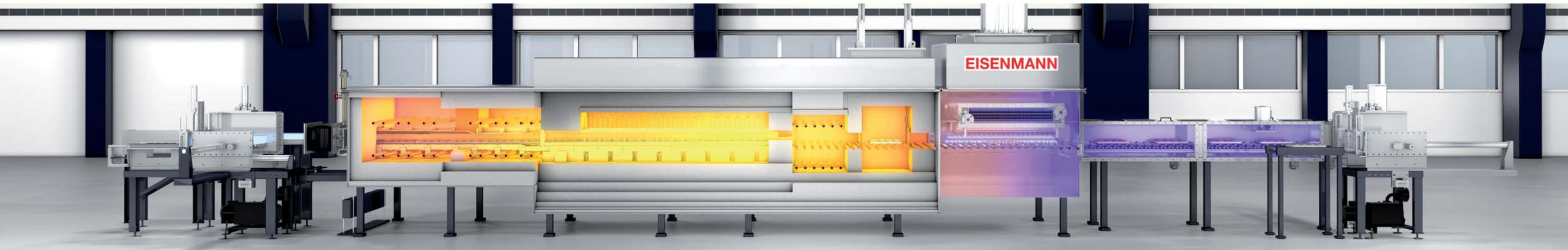


EISENMANN



**ROLLER HEARTH SINTERING FURNACE
ONE SOLUTION**

CARBON CONTROL SINTER HARDENING
 LEAN ENDO **ONE SOLUTION** ACTIVE DEWAXING
 MINIMAL TOTAL COST OF OWNERSHIP
 HIGH TEMPERATURE SINTERING FORMING GAS
 CONVENTIONAL SINTERING



Models	Standard Carrier Dimensions*		Max Operating Temp.	Max Throughput	Total Dimensions		Connected Load		Configuration											
	Width	Length			Length	Width	DZ (kW)	SZ (kW)	Entrance Door Lock	Dewaxing Electrical/Electrical+Gas/Only Gas			Double Door	Sintering Heating Elements			Measure O ₂ T _{dew}	Double Door	Rapid Cooling 1190°C / 200°C	Exit Door Lock
										Dewaxing	+ CH ₄ / C ₂ H ₆ Dewaxing	CH ₄ / C ₃ H ₈ Dewaxing		Metal	SIC	Ceramic/Mo				
PILOT PR-S°	300 mm / 12 "	420 mm / 16 "	1,400 °C / 2,552 °F	120 kg/hr / 256 lbs/hr	17.8 m / 58 ft	3.1 m / 10 ft	40	75	●	●	/	/	/	/	/	●	○	●	●**	●
PILOT PR-L°	300 mm / 12 "	420 mm / 16 "	1,400 °C / 2,552 °F	180 kg/hr / 397 lbs/hr	18.8 m / 62 ft	3.1 m / 10 ft	60	115	●	●	/	/	/	/	/	●	○	●	●**	●
SERIES R-CS°	700 mm / 27 "	460 mm / 18 "	1,190 °C / 2,174 °F	450 kg/hr / 661 lbs/hr	21.5 m / 71 ft	3.7 m / 12 ft	90	200	○	/	●	○	○	●	/	/	○	●	●**	●
SERIES R-CL°	700 mm / 27 "	460 mm / 18 "	1,190 °C / 2,174 °F	680 kg/hr / 1,500 lbs/hr	25.5 m / 84 ft	3.7 m / 12 ft	110	270	○	/	●	○	○	●	/	/	○	●	●**	●
SERIES R-HS°	700 mm / 27 "	460 mm / 18 "	1,300 °C / 2,372 °F	450 kg/hr / 661 lbs/hr	21.5 m / 71 ft	3.7 m / 12 ft	90	200	○	/	●	○	○	/	●	○	○	●	●**	●
SERIES R-HL°	700 mm / 27 "	460 mm / 18 "	1,300 °C / 2,372 °F	680 kg/hr / 1,500 lbs/hr	25.5 m / 84 ft	3.7 m / 12 ft	110	270	○	/	●	○	○	/	●	○	○	●	●**	●
SERIES R-EDITION2025°	30 % less energy 30 % less gas								●	●	/	/	●	/	●	○	○	●	●**	●

*other dimension upon request
 ** slow cooling (without fan) as option
 ○ -> optional configuration
 ● -> standard configuration
 All data are approximate!

ROLLER HEARTH SINTERING FURNACE ONE SOLUTION

PERFECTED FURNACE TECHNOLOGY

Since 20 years, our roller hearth furnaces have been a synonym for advanced high temperature sintering.

Double door systems allow for a perfect atmosphere separation between dewaxing, sintering and cooling.

Thanks to an active dewaxing atmosphere, fully monitored and regulated sintering atmospheres and our latest generation of rapid cooling our customers can produce complex parts with high dimensional accuracy and best metallurgical properties.

Designed for high sintering temperatures (>2,500 °F), the energy consumption at 2,100 °F is among the lowest in the world. Combined with the lack of changing conveyor belts, low maintenance cost and high reliability it comes as no surprise that more and more customers decided to use the advanced furnaces for standard sintering as well.

Roller hearth furnaces provide the most economical solution for BOTH conventional AND high temperature sintering.

Advanced, reliable, flexible, best metallurgical properties –

ONE SOLUTION

1 DIRECTLY FIRED DEWAXING

- Active dewaxing
- Efficient clean dewaxing
- Reduced heat-up time
- Compact design

2 ADVANCED RAPID COOLING

- Cooling rates up to 6K/s > 10 °F/s
- Homogeneous cooling
- Single fan design
- Low maintenance

YOUR ADDITIONAL BENEFITS

- High quality
- Up to 1,500 lbs/hr
- Reproducibility
- Perfect atmosphere control
- Best temperature control
- Easy automation
- High safety standards
- Extensive process know-how
- High technical support by young process specialists



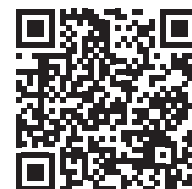
German Patent
and Trade Mark Office

Method patented in 1997
under Patent number DE 197 19 203 A1



Roller hearth furnace for sintering process up to 2336 °F

You wish for more information regarding "Roller Hearth Sintering Furnaces – One Solution"? Just watch out our YouTube Channel. Under the link <https://tinyurl.com/sinteringfurnaces> you will find our latest video animation. It goes even quicker by scanning the QR-code using your smartphone or tablet.



Our sales team will be most pleased to consult you regarding all questions to our products.

EISENMANN

Eisenmann Thermal Solutions GmbH & Co. KG
Leinetal/Auf der Mauer 1, Gewerbegebiet AREA 3/Süd, D-37120 Bovenden, Germany
Phone: + 49 551 820 830-0, Fax: + 49 551 820 830-50

www.eisenmann-ts.com

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