ROLLER HEARTH SINTERING FURNACE
ONE SOLUTION
### Models

<table>
<thead>
<tr>
<th>Models</th>
<th>Width</th>
<th>Length</th>
<th>Max Operating Temp.</th>
<th>Max Throughput</th>
<th>Total Dimensions</th>
<th>Essential Load</th>
<th>Configurations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Length</td>
<td>Width</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PILOT PR-S©</td>
<td>300</td>
<td>420</td>
<td>1,400 °C</td>
<td>120 kg/hr</td>
<td>17.4 m</td>
<td>3.1 m</td>
<td>S2 (KW)</td>
</tr>
<tr>
<td>PILOT PR-L©</td>
<td>300</td>
<td>420</td>
<td>1,400 °C</td>
<td>180 kg/hr</td>
<td>18.4 m</td>
<td>3.1 m</td>
<td>S2 (KW)</td>
</tr>
<tr>
<td>SERIES R-CS©</td>
<td>700</td>
<td>460</td>
<td>1,190 °C</td>
<td>600 kg/hr</td>
<td>21.5 m</td>
<td>3.7 m</td>
<td>S2 (KW)</td>
</tr>
<tr>
<td>SERIES R-CL©</td>
<td>700</td>
<td>460</td>
<td>1,190 °C</td>
<td>680 kg/hr</td>
<td>25.9 m</td>
<td>3.7 m</td>
<td>S2 (KW)</td>
</tr>
<tr>
<td>SERIES R-CM©</td>
<td>700</td>
<td>460</td>
<td>1,190 °C</td>
<td>680 kg/hr</td>
<td>25.9 m</td>
<td>3.7 m</td>
<td>S2 (KW)</td>
</tr>
<tr>
<td>SERIES R-EDITION2025©</td>
<td>700</td>
<td>460</td>
<td>1,300 °C</td>
<td>450 kg/hr</td>
<td>21.5 m</td>
<td>3.7 m</td>
<td>S2 (KW)</td>
</tr>
</tbody>
</table>

### Configurations

- **Dea waxing**
- **Double Door**
- **Rapid Cooling**
- **Exit Door**
- **Lock**

### Dimensions

- **Total Dimensions Connected Load Configuration**
  - **Length**
  - **Width**

### Specifications

- **Max Operating Temp.**
- **Max Throughput**
- **Total Dimensions**
- **Essential Load**

### Notes

- *other dimension upon request*
- **Slow cooling (without fan) as option**

### Additional Information

- **ONE SOLUTION**
- **Carbon Control**
- **Conventional Sintering**
- **Lean Endo**
- **Active Dewaxing**
- **High Temperature Sintering**
- **Forming Gas**
- **Minimal Total Cost of Ownership**
  
---

*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 (>1400 °C), the energy consumption at 1190 °C 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

DIRECTLY FIRED DEWAXING
- Active dewaxing
- Efficient clean dewaxing
- Reduced heat-up time
- Compact design

ADVANCED RAPID COOLING
- Cooling rates up to 6 K/s
- Homogeneous cooling
- Single fan design
- Low maintenance

YOUR ADDITIONAL BENEFITS
- High quality
- Up to 680 kg/hr
- Reproducibility
- Perfect atmosphere control
- Best temperature control
- Easy automation
- High safety standards
- Extensive process know-how
- High technical support by young process specialists

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.

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.

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.

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