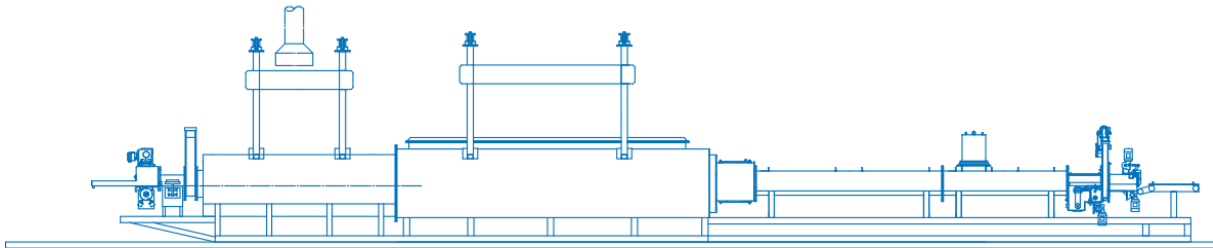


## Pusher Type Sintering Furnace PTS

Pusher furnaces – aka skillet furnaces – are represented in many processes. We at CREMER have specialised in processes under inert or reduced atmosphere. Thus, we use pusher furnace technology for reducing, sintering, carburisation, and calcination. In this process, the parts lying on charge carriers are pushed through the furnace. Therefore, the overall length is limited. Often, we install a belt in the cooling zone to reduce the force on the charge carriers and to maximise the heated length.

In connection with a vacuum lock, pusher furnaces can be graphite heated and isolated. Thus, temperatures exceeding 2500°C are possible.



### Specifications

Technical Features	
Effective width:	variable, depending on charge carrier
Throughput:	10 – 100 kg/h
Heating:	Electric
Atmosphere:	Forming Gas
Temperatures:	1200 °C, 1350 °C, 1450 °C, 1600 °C, 2000 °C, 2500 °C

### Applications

Many applications are conducted with pusher furnaces, e.g. green Fe-PM parts sintering at temperatures exceeding 1.150°C or pressed / molded stainless-steel parts sintering. Also, various processes with powders at high temperatures are carried out: carburization, calcination, and reduction are examples for such practices.

### Additional Equipment Modules

+ Inlet and outlet locks, vacuum lock possible	+ Automation
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## Foto Gallery



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