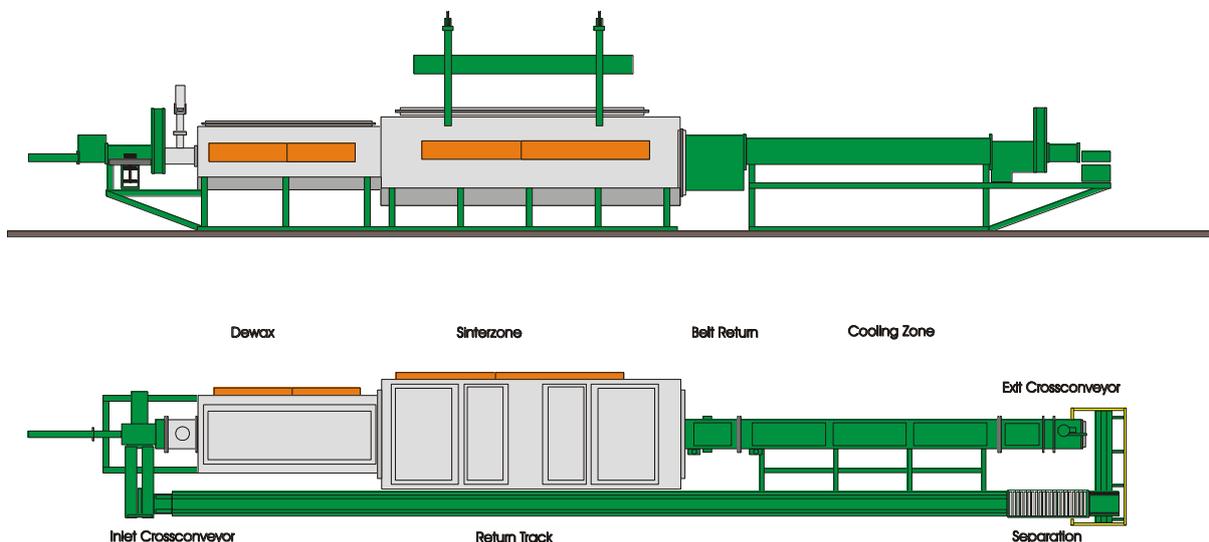


## Pusher Plate Sintering Furnace for Non-Oxide Ceramics

The pusher plate sintering furnace for non-oxide ceramics, which is suitable for process temperatures of up to 1680 °C, has a gas-tight modular construction and is electrically heated. The thermal debinding zone is an integral part of the thermal process plant. Airlocks at the intake zone and outlet zone safely ensure that air cannot enter into the furnace. This thermal process plant is also suitable for the thermal treatment of powders and granules, especially for calcination, reduction or infiltration. Various accessories and different configurations allow an individual furnace structure with proven serial parts.

The pusher plate sintering furnace for non-oxide ceramics is not only interesting from a technological view-point, it also represents a commercially very interesting solution for a variety of application fields.



## Specifications

Technical Features	
Effective width:	200 - 400 mm
Effective height:	100- 300 mm
Throughput:	30 -100 kg/h
Pusher frequency:	Adjustable
Heating:	Electric
Atmosphere:	H <sub>2</sub> , N <sub>2</sub> , mixed gas, argon
Temperatures:	Up to 1680 °C

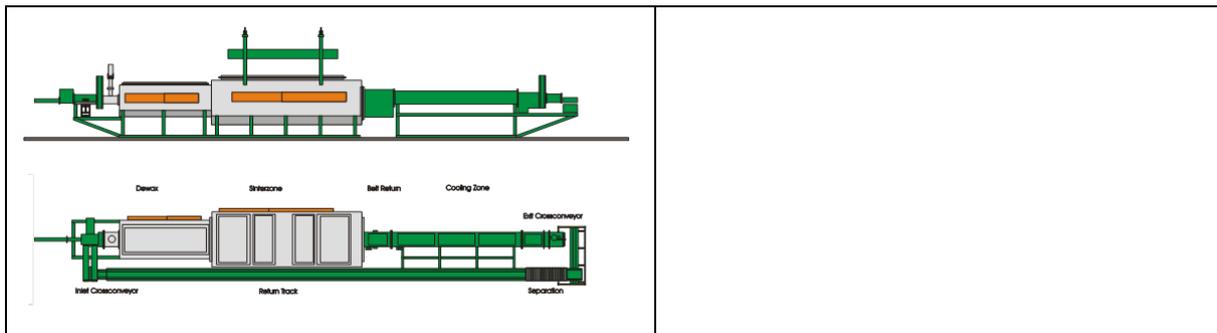
## Applications

The typical application is the sintering of high performance non-oxide ceramics in a protective furnace atmosphere. In the modularly built debinding zone the binder is extracted in a controlled manner and burnt off safely outside of the furnace using a thermal post-combustion unit. In the sintering zone the parts undergo thermal treatment with a precise temperature control and a protective furnace atmosphere. The cooling is carried out according to the necessary process parameters using indirect cooling.

## Additional equipment modules

- + Catalytic debinding
- + Thermal post-combustion
- + Automation

## Foto Gallery



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