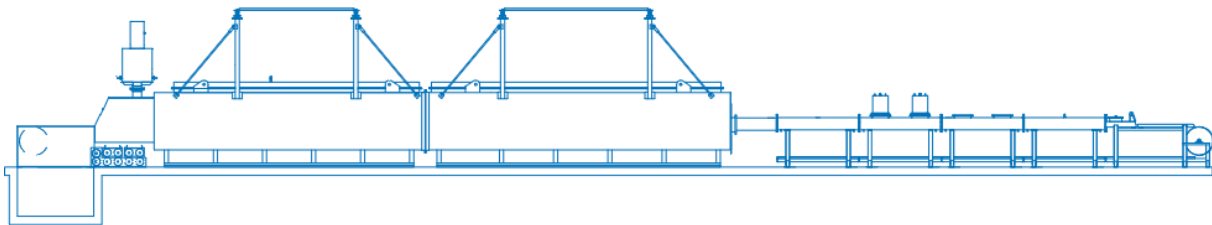


Conveyor Belt Sintering Furnace CBS

Conveyor Belt Sintering Furnaces (CBS) are common industrial systems constituting standard powder metallurgical applications. In principle, all CBS models are suitable for operation under protective gas atmosphere. Heating can be either electric or by indirect gas burners. A wide variety of accessories and different layouts allow individual constructions with proven serial components. In addition to small models with a throughput of 40 kg/h, we produce furnaces allowing up to 850 kg/h of throughput at furnace belt widths of up to 1000 mm.

Therefore, CBS systems are interesting not only from the technological point of view, they also constitute a commercially attractive solution for manifold applications.



Specifications

Technical Features	
Effective width:	200 – 1000 mm
Throughput:	20 – 850 kg/h
Heating:	Electric or gas or hybrid
Atmosphere:	Endogas based or forming gas
Temperatures:	900 °C, 1150 °C, 1200 °C

Applications

Sintering green Fe-PM powder parts is a typical application. Modern steerate zones burn the pressing additives off. The parts are sintered under forming gas or endogas in the ceramic muffled sinter zone. In combination with rapid cooling, the green parts can be heat treated in the sinter furnace. In combination with a forging press, the green parts, e.g. connecting rods, can be taken out of the sinter zone and can be forged.

Additional Equipment Modules

+ RBO Dewaxing (Rapid Burn Off)	+ Annealing module
+ Ceramic muffle	+ Sinter forge design (Hot-Forging)
+ C-level control	+ HT Conveyor Belt Furnace up to 1.200°C
+ Integrated endogas generator	+ Automation
+ Rapid cooling	

Foto Gallery



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