



High Temperature Hybrid Sintering Furnace



General Specifications

Feature	Description
Maximum Operating Temperature	2350°F/1288°C
High Heat Muffle	Ceramic
Heating Elements	Ceramic
Conveyance	Pusher/stainless steel belt
Maximum Belt Width	24 inches, 405 mm
Maximum Belt Speed	6 ipm, 405 mmpm (nominal)
Maximum Loading	12 lbs/sq.ft, 49 kg/sq.meter
Drive	Rear pinch/Ball Screw Combination
Temperature/Over-Temp Control	Honeywell 2500
Atmosphere	N ² /H ² , H ² , Ar
Insulation	Ceramic fiber modules and blanket
PLC	Allen Bradley Micrologix for safeties
Sinter Hardening Option	VariCool Convective Cooling System

Abbott's Hybrid Furnace utilizes an integrated system of proprietary materials, atmosphere and temperature controls to operate continuously in the range of 2150°F-2350°F, 1177°C-1288°C. Abbott's furnaces are custom built. Heated length and zones can be designed to provide the required time, temperature and atmosphere profiles for your products. Additionally, we offer optional controls to provide the best fit with your current systems.