



High Temperature Ceramic Belt Sintering Furnace



General Specifications

Feature	Description
Maximum Operating Temperature – 100% H ₂	2350°F/1288°C
Maximum Operating Temperature – N ₂ /H ₂ Blend	2400°F/1315°C
High Heat Muffle	Ceramic
Heating Elements	Ceramic
Belt	Ceramic
Maximum Belt Width	16 inches, 406 mm
Maximum Belt Speed	6 ipm, 152 mm/m (nominal)
Maximum Loading	12 lbs/sq.ft, 58 kg/sq.meter
Drive	Rear sprocket
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 Ceramic Belt 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.