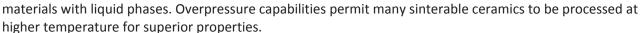
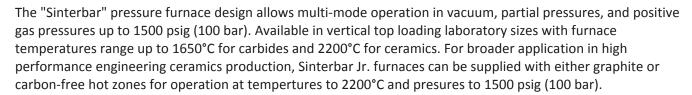


SERIES 3850 - Sinterbar® Jr. Pressure Furnace



Sinterbar™ Jr. Pressure Furnaces are vital to the efficient and economical production of a wide variety of advanced ceramics, carbide tools and wear parts, and other high performance materials. They eliminate a separate hot isostatic pressing operation for many





A complete furnace system includes all necessary controls for fully automatic operation of complete process cycles including Sweepgas™ binder removal. Sinterbar Jr. furnaces incorporate the latest developments in high temperature pressure furnace technology.

Key Features

Production Benefits

- Better Quality Increased part densities. Improved mechanical properties.
- Higher Yield Eliminates need to transfer fragile debindered parts from debinder to sinter furnace.
- Cost Savings One-st vs. multi-step process. Reduced overall cycle time. Simplified equipment, low maintenance. Overall reduction in capital investment compared to separate sinter and HIP furnaces

Furnace Advantages

- Multi-purpose Operation Combines binder removal, presinter, sinter, and pressure consolidation steps in one continuous cycle.
- Material Compatibility Carbon-free all-metal or graphite furnace hot zones to suit product requirements.
- Automatic Operations Temperature and pressure cycles programmable for automatic control.





Key Features

- Cold Wall Design Safe, compact water-cooled ASME code design chamber.
- Adjustable Gradient Hot Zone New heater design for maximum load temperature uniformity overcomes effects of gas convection.
- Reliable Heaters Rugged graphite or heavy tungsten rod.
- Variable Environments Vacuum, partial pressure and positive pressure. Inert or reactive gas capability.
- Binder Removal Sweepgas™ separation and collection system for many binder and lube materials.
- Accurate Repeatability Precise temperature measurement and control instrumentation.
- Operating Ease Quick acting patented access door. Automatic operation.

Optional Features

- Powered Cover lift for top loading models.
- Debinding system.
- Inert and Process Hydrogen Gas systems.
- Graphite Retort .



FURNACE APPROVALS

Centorr/Vacuum Industries furnaces are designed to our own internal quality standards developed over our 60 year history, and are built to the following industry standards:

ASTM NFPA 86 NEC (NFPA70)

