



Model HP20-4560-20



Model HP52-0914-SC

Model HP20-4560-20

- 2000°C using inert or vacuum atmospheres
- 10-ton load frame and hydraulics
- Furnace mounted coaxially with press rams and elevated clear of the work zone for 360° exposure of punch and die

Model HP52-0914-SC

- 1500° in oxidizing, inert or vacuum atmospheres
- 20-ton load frame and hydraulics
- Furnace mounted coaxially with press rams and elevated clear of the work zone for 360° exposure of punch and die

Model HP50-0912-25

- 2500°C using inert or vacuum atmospheres
- 25-ton load frame and hydraulics
- Front loading furnace

Model HP200-14020-23

- 2300°C using inert or vacuum atmospheres
- 100-ton load frame and hydraulics
- Furnace mounted coaxially with press rams and elevated clear of the work zone for 360° exposure of punch and die



Model HP50-0912-25



Model HP200-14020-23

Our Hot Press Systems provide a robust 4-column load frame and state-of-the-art control technology which ensures ease of use, operation and maintenance.

Hot Press

THERMAL TECHNOLOGY'S hot press systems are designed for simultaneous application of high temperatures and high pressures. Primary applications include powder densification, diffusion bonding, and processing of fiber composites.



Diffusion bonding hot press operating at 1450°C with a total force of 100 tons. The 24"x24"x30" molybdenum hot zone is capable of diffusion bonding multiple parts in one load. System footprint measures approximately 9 1/2' wide, 15' deep and 12 1/2' high.

Graphite & Refractory Metal Hot Presses

Model Number	Press Capacity	Die Size inches	Die Size (mm)
HP 20	10 tons	3 ø x 3	(75 ø x 75)
HP 50	25 tons	6 ø x 6	(150 ø x 150)
HP 100	50 tons	6 ø x 12	(150 ø x 300)
HP 200	100 tons	12 ø x 12	(300 ø x 300)
HP 400	200 tons	18 ø x 12	(450 ø x 300)
HP 500	250 tons	24 ø x 18	(600 ø x 450)



Model HP500-242424G provides 250 tons of force, a spacious 24" cube usable work space, 4-side graphite hot zone rated at 1800° and operates in inert gas, vacuum or a partial pressure environment.

SiC Hot Presses

Model Number	Press Capacity	Die Size inches	Die Size (mm)
HP 22	10 tons	4 dia. x 4	(100 ø x 100)
HP 52	25 tons	6 dia. x 6	(150 ø x 150)
HP 56	25 tons	10 dia. x 10	(250 ø x 250)

THERMAL TECHNOLOGY LLC
HIGH TEMPERATURE EXPERTS

Corporate/Manufacturing

1911 Airport Blvd., Santa Rosa, CA 95403
707-571-1911

East Coast Sales

197 Loudon Road, #230, Concord, NH 03301
603-225-6605

Europe

Bismarckstrasse 28 A 95444 Bayreuth, Germany
(011) +49 921-62019



sales@thermaltechnology.com
info@thermaltechnology.eu

www.thermaltechnology.com
www.thermaltechnology.eu