1000 Ton 4-Post Compression Molding Press

Tonnage:	1000
Application:	Compression Molding, Composite Forming, R&D
Industry:	Defense
Frame Style:	4-Post
Special Features:	• Electrically-Heated Platens • Quick Die Change System • Active Leveling Control

Custom Features:

- Used to consolidate ballistic composites in a compression molding application for the U.S. Army
- (4) 10” diameter chrome housing posts with graphite impregnated bronze bushings for superior ram guidance and rigidity
- (2) sets of platens—one unheated to accommodate existing heated tooling and one electrically heated up to 600°F
- Multi-zone controls for customer’s steam-heated and electrically-heated tooling
- (4) water modulation valves and (4) air purge valves for rapid cooling
- Polycarbonate sliding door guards the front opening of the press; bolt-on expanded metal guards guard the sides and rear
- Quick Die Change System features pneumatically-operated die rollers with 6,000lb lifting capacity and (8) hydraulic die clamps
- Equipped with four-axis Active Leveling Control (ALC) for precision bed to ram parallelism
- Crown mounted power system and reservoir
- Calculated Ram Speeds: Approach: 41 IPM; Pressing: 0.1 - 4.6 IPM; Return: 43 IPM

Common Features on Beckwood Presses:

- Heavy duty box beam design for superior rigidity and modular tie rod assembly utilizing pre-tensioning nuts for optimum performance
- Fully adjustable Parker cylinders with full rated tonnage throughout the stroke
- PressLink Remote Support module for complementary diagnostics & troubleshooting
- Dual linear and pressure transducers in the main ram cylinders for optimal reliability and redundancy
- Allen Bradley or Siemens PLC, programmable control system with touch screen HMI and Recipe Functionality
- Structure designed for Infinite Life using Finite Element Analysis (FEA) simulation software
- Backed by Beckwood’s industry leading dedicated service and support team

800.737.0111
beckwood.com
sales@beckwoodpress.com

Learn more about our 4-Post presses

Learn more about Compression Molding