

170 Ton 4-Post Compression Molding Press

Tonnage:	170
Application:	Compression Molding
Industry:	Aerospace
Frame Style:	4-Post
Special Features:	<ul style="list-style-type: none"> • Heated/Cooled Platens • Pneumatic Dwell System • Booking Ram • Bed Shuttle



Custom Features:

- Used to compression mold composite components for use in the aerospace industry
- (4) 6" diameter chrome housing posts with oversized poured/cast ram guide bushings for superior ram guidance and rigidity
- (2) 20" x 90" heated platens with multiple zones of temperature control for ultimate uniformity
- Gun drilled channels in the platens create a serpentine flow for rapid cooling
- Booking ram with 90-degree booking capability
- Hydraulically actuated bed shuttle for loading and unloading
- Pneumatic dwell system allows the primary electric motor & pump to be turned 'off' during prolonged dwell periods for increased energy efficiency and reduced noise
- Calculated Ram Speeds: 160 IPM Fast Approach; 40 IPM Pressing; 53 IPM Return
- Kidney loop filter/cooler circuit with thermostatically-controlled electric water/oil heat exchanger
- Light curtain guards the front & rear openings; bolt-on expanded metal guards cover side openings

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 in accordance with rigorous simulation analysis through FEA (Finite Element Analysis) design testing
- Backed by Beckwood's industry leading dedicated service and support team



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Learn more about our
4-Post presses

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Compression Molding