

## 100 Ton 4-Post Compression Molding Press

<b>Tonnage:</b>	100
<b>Application:</b>	Compression Molding Composite Forming
<b>Industry:</b>	R&D
<b>Frame Style:</b>	4-Post
<b>Special Features:</b>	<ul style="list-style-type: none"> <li>• Multi-zone heated platens</li> <li>• Dwell capability</li> </ul>



### Custom Features:

- Used in an R&D setting to form composite materials for automotive and aerospace component lightweighting
- (4) 4" diameter chrome housing posts with graphite impregnated bronze bushings for superior ram guidance and rigidity. Furnished with (2) 36" x 36" heated platens with multiple zones of temperature control for ultimate uniformity
- Gun drilled channels provided in the platens create a serpentine flow for rapid cooling
- Platen temperature control accuracy of  $\pm 5^{\circ}\text{F}$  across the surface of the platen
- Light curtains guarding the front opening of the press; bolt on expanded metal guarding on the sides and rear
- Position control of  $\pm 0.002"$  and pressure control of  $\pm 2\%$
- Data acquisition system capable of recording and storing time, temperature, pressure and position
- Ram Speeds: Fast Approach: 153IPM, Pressing: 0-39 IPM, Return: 159 IPM
- Controls provide inch mode, semi-automatic mode or fully automatic mode

### 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

Learn more about  
Compression Molding