

# 1100 Ton Automated Brake Pad Forming Press

<b>Tonnage:</b>	1100
<b>Application:</b>	Assembly, Automation, Powder Compacting
<b>Industry:</b>	Automotive
<b>Frame Style:</b>	Gib-guided
<b>Special Features:</b>	<ul style="list-style-type: none"> <li>• Automated powder filling &amp; dispensing system</li> <li>• Tandem bed shuttle</li> <li>• Multi-zone heated platens</li> <li>• Fluid Health Monitoring</li> </ul>



## Custom Features:

- Used to compact powder into high-performance brake pads for the automotive industry
- 8-point square gib-guidance system minimizes lateral movement under load
- (2) 24" x 36" electrically heated platens with multiple zones of temperature control for ultimate uniformity up to 500°F
- Tandem bed shuttle with 4000lb capacity for easy part and tool loading and unloading
- (2) automated powder filling and dispensing stations with FillPro Edge Preweigh & Dispensing systems, transfer cup, powder fill cavity plate, and powder fill cavity plate trap door
- Secondary cavity ram
- Delta high speed motion controller provided for superior pressure accuracy to within  $\pm 1\%$  of full system pressure
- Light curtains guard the front and rear openings of the press; safety mesh guards the perimeter
- Crown mounted power system and reservoir
- Pre-Preventive Maintenance system with fluid health monitoring to eliminate unplanned downtime
- Calculated Ram Speeds: Fast Approach: 495 IPM, Pressing: 18 IPM, Return: 516 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  
Gib Guided presses

Learn more about Automation