Pneumatic and Servo Presses

Ready to Run
Customizing Our Specialty

www.fancort.com
BP-500 Adjustable Column Press from 400 to 725 lbs.

An economical press with a small footprint for light assembly work

**Features:**
- Solid steel column with 11” of height adjustment; longer columns available
- 8” x 6” base with keyway for easy tool mounting
- 3.25” polished bore, double-acting cylinder standard, 725 lbs at 100 psi
- 3” stroke standard
- Minimum cycle time 2 seconds
- Two-hand OSHA approved controls, filter regulator and speed control
- Optional bore cylinders and stroke lengths; see table
- Male threaded rod ¾-16 x 1”
- Measures 16” x 10” x 23”
- Weighs 47 lbs
- Made in the USA
- One year warranty

**Options:**
- Non-contact electronic controls P/N: BP-NC100
- End of stroke indicator P/N: BPES-1
- Optional 9 inch stroke length available; P/N: BP-LS9
- Non-rotating ram P/N: BPNR-500
- Timer circuit-set down stroke from 1 second to 500 hours, P/N: BP-TM10
- Viton seals for high-temp use, P/N: BPVS-500
- Micro-adjust cylinder to control down-stroke, P/N: BP-SPM1C
- Longer columns available for additional height clearance up to 19 inches

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Std. Output Range (lbs)</th>
<th>Column Stroke</th>
<th>Adjustment to Internal Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>BP-500</td>
<td>400-725</td>
<td>3</td>
<td>11</td>
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<tr>
<td>BP-500-4</td>
<td>650-1175</td>
<td>3</td>
<td>11</td>
</tr>
<tr>
<td>BP-500-4-50</td>
<td>50-1175</td>
<td>3</td>
<td>11</td>
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<tr>
<td>BP-500-1</td>
<td>5-50</td>
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</tr>
<tr>
<td>BP-500-1SP</td>
<td>60-100</td>
<td>3</td>
<td>11</td>
</tr>
</tbody>
</table>

Columns available in lengths from 8” to 24”
BP-500E-60 “Smart Press” from 1 lb to 120 lbs

Programmable servopress for precision control of force, stroke, speed, dwell, and more

Features:
- Positioning accuracy of ±0.0004” (.01mm)
- Control force to a tolerance of ±10% of target point
- Program with teaching pendant included with user-friendly software for programming from a PC; includes data output for SPC; software allows user to run the press from a PC
- 4” stroke standard; optional strokes available from 2” to 12”
- Store up to 15 programs
- Adjustable column allows for 11 inches of height adjustment
- Non rotating ram
- Closed loop servomotor and servo amplifier
- Small footprint and adjustable column with 11” of height adjustment
- 8”x6” base with keyway and two bolts for easy tool mounting
- Two-hand OSHA approved optical safety, non-contact controls
- Program counter, repeat and loop capabilities
- Male threaded rod M14 x 1.5
- Power Requirement 110Vac, 6.2 amp
- Measures 11” x 11” x 27”; weighs 40 lbs
- Made in the USA
### Model 5000L ‘C’ Frame Presses from 1 to 5 tons

**Features:**
- 16”W x 13 ¼” D bed area with ram 7.125” from front of die plate; optional wide model with 22” wide bed area
- Ram to bolster plate clearance is 8 ¾”
- Rigid ‘C’ frame construction with 1” thick side walls to prevent flexing
- Tough nitro blue enamel finish and hardcoat aluminum die plate with three sets of tapped ½-13 holes for die mounting
- 5” bore, double-acting cylinder with cushioned stops produces about one ton at 100psi
- 4” stroke standard with 4.5” shut height. Optional stroke lengths available
- Centrally located ram with 1.5” x 1” shank collar
- Speed control and filter/regulator; counter and air gauge mounted on face of press
- Two–hand, OSHA approved safety controls
- Two to four second cycle time
- EC approved
- Measures 21” x 13.5” x 28”; weighs 100 lbs.
- Made in the USA
- One year warranty
- Male threaded rod ¾-16x1

**Options:**
- Non-contact electronic controls P/N: BP-NC100
- End of stroke indicator P/N: BPES-1
- Non-rotating ram P/N: BP-NR-1000
- Timer circuit-set down stroke from 1 second to 500 hours P/N: BP-TM10
- Viton seals for high-temp use, P/N: BPVS-500
- Micro-adjust cylinder to control down-stroke, BP-SPM-1C

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Std. Output Range (lbs)</th>
<th>Column Stroke</th>
<th>Available Die Plate Width</th>
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<tbody>
<tr>
<td>5000L</td>
<td>1150-1900</td>
<td>4</td>
<td>16</td>
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<tr>
<td>5000L-22</td>
<td>1150-1900</td>
<td>4</td>
<td>22</td>
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<tr>
<td>5000L-6</td>
<td>3400-5600</td>
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<tr>
<td>5000L-6-22</td>
<td>3400-5600</td>
<td>4</td>
<td>22</td>
</tr>
<tr>
<td>5000L-8</td>
<td>4000-8000</td>
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<tr>
<td>5000L-10</td>
<td>6000-10000</td>
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<tr>
<td>5000L-10-22</td>
<td>6000-10000</td>
<td>4</td>
<td>22</td>
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</tbody>
</table>
Four and Five Ton ‘C’ Frame Presses
Same specifications as standard 5000L
with all available options
5000L-8 produces four tons at 100 psi;
5000L-10 produces five tons at 100 psi

Economy ‘C’ Frame Press to 2 tons
Same specifications and available options
as 5000L less sheet metal shroud around
the cylinder, base plate, counter &
front-mounted pressure gauge.
5000LE produces about 1900# at 100 psi;
5000LE-6 produces about 5600# at 100 psi;

Model 5000L
‘C’ Frame Presses from 1 to 5 tons
Janome ElectroPress For Critical Assembly Applications with Force Range from 5kgf to 8000kgf

Features:
- Program force, speed, distance, stop position, stop load and dwell time with built-in software
- Optional JP Soft software includes JP Designer for data teaching and OK/NG judgment setting on a PC, and JP Reporter to record data for CPK analysis and traceability of all parameters into Excel, csv and HTML including graphing
- Repeatable accuracy of ±0.005mm
- Store up to 100 programs in flash memory; use PC for unlimited pattern storage
- Holding time to 99.9 seconds in 0.1sec increments
- Stroke length 80 to 200mm depending on model; program ram stroke in .001mm increments
- Ram speed 35mm/sec; pressing in increments of 0.1mm/sec
- Three versions: stand-alone, head type and unit type for in-line automation
- Two hand safety controls
- Display in N, kgf, lb, mm, in and six languages
- Bar code data can be sent to press for data collection
- External interface: RS232C
- External I/O: 17 inputs, 16 outputs
- AC servomotor controlled with 32 bit processor
- Power options: System choice of 220VAC single phase or 220VAC three phase
- NPN or PNP available

Options:
- Optional class 10 Clean-room models available in several force ranges and versions
- Optional 100mm spacers to increase press opening
- Long stroke models available (150mm and 400mm)
- Optional JP Soft software includes JP Designer for data teaching and OK/NG judgment setting on a PC, and JP Reporter to record data for CPK analysis and traceability of all parameters into Excel, csv and HTML including graphing
- I/O cable

<table>
<thead>
<tr>
<th>Model</th>
<th>Force (Kgf)</th>
<th>Newtons</th>
<th>Lbs</th>
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<tr>
<td>JP-054</td>
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<td>3000-30000</td>
<td>660-6600</td>
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<td>JP-5004</td>
<td>500-5000</td>
<td>5000-50000</td>
<td>1100-11000</td>
</tr>
</tbody>
</table>

Contact factory for information and specifications on head, unit or JP models. Unit style available to 8000kgf (JPU-8004)
Clean Room
Stand-Alone

Stand-Alone

JP Series 4
Head Style

JP Series 4
Unit Style

JP-S 1001
class 10kN
Customize or Design and Build a New Press

Features:
- Illustrated is an example of a custom designed servopress with heater plates for a custom application. Force range on this press was 1 kgf to 60 kgf and the heater was controllable to 400°C.
- Fancort welcomes your inquiry on presses that require minor modifications or a specific design with custom specifications.

Robotic Screw Fastening Systems
High speed systems reduce labor costs and operator errors

Features:
- Desktop three axis robots in four models with working area up to 510mm x 510mm
- Standard electric drivers or servodrivers in a wide range of torque values
- Easy to program all screw tightening conditions and robot path
- Vibratory feeders standard; blow feeders optional for higher throughput
- Complete turnkey systems with fixtures
- SCARA robots for in-line automation or larger working areas
- Repeatable accuracy of ±0.01mm