Electro Press

JP-S Series

New Generation Servo Press
A space-saving Servo Press that's making built-in compact devices the industry standard...

**Electro Press**

**JP-S Series**  
New Generation Servo Press

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**Feature 1**  
**Slim & Compact**  
The JP-S features a slim main unit design and space-saving controller unit ideal for installation in any factory system. Even where multiple presses are linked together, they take up only a small amount of space, making for easy and efficient inclusion in your production facility plans.

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**Feature 2**  
**External Control**  
Using PLC commands, you can control the Electro Press via Digital Input/Output, Fieldbus or the Ethernet.

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**Feature 3**  
**Ethernet-based Data Gathering**  
Using dedicated PC software you can quickly gather detailed position and load data. Traceability is assured through the saving of important quality control data including sensor judgment results.

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**Feature 4**  
**Field Network Compatibility**  
Result data (such as final position/load, judgment position/load) from the PLC is conveyed by a field network for readout on a register. Users can choose from 6 network types: DeviceNet, PROFIBUS, CC-Link, CANopen, EtherNet/IP and PROFINET.

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**Feature 5**  
**Extensive Lineup**  
Our lineup ranges from 5kN to 200kN with 8 different basic model types as well as new short stroke versions of our 50kN and 100kN types for inclusion in facilities with height or length limitations. We also offer clean room compactable models and high motor output specification types. Choose the ram stroke that is right for your application as well as a pressing or pulling type load cell. (Availability varies depending upon model.)

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**Feature 6**  
**Ideal for Hydraulic/Pneumatic Press Replacement**  
The JP-S features low noise operation good for your working environment, and it consumes less energy than hydraulic and pneumatic presses. You can also reduce start-up costs by choosing the functions which meet your specific needs (for example, choose whether or not to include a load cell, etc.).

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**Feature 7**  
**Various Control Modes and Sensor Functions**  
We combined the pressing parameters (such as speed and load) with the hold parameters (position, load, distance, time, etc.) to create 9 different pressing modes. You can set several pressing modes to the steps in one program, to create a multi-stage operation. We also prepared several sensor judgment functions, including step judgments (judgments made while pressing), and load zone judgments (load judgments against any position range you set). You can set up to 16 step judgments for one step.

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**System Configuration**  
This is a simplified reference diagram of the JP-S1001 configuration.
Choosing Your Model

Example : JP-S0501-00100BS-N0CCA-331

<table>
<thead>
<tr>
<th>JP-S</th>
<th>OS01</th>
<th>0</th>
<th>0</th>
<th>100</th>
<th>B</th>
<th>S</th>
<th>N</th>
<th>0</th>
<th>CC</th>
<th>A</th>
<th>3</th>
<th>3</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Controller: JP-SC</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
<td>13</td>
</tr>
<tr>
<td>Stroke</td>
<td>100mm</td>
<td>200mm</td>
<td>300mm</td>
<td>400mm</td>
<td>500mm</td>
<td>600mm</td>
<td>700mm</td>
<td>800mm</td>
<td>900mm</td>
<td>1000mm</td>
<td>1100mm</td>
<td>1200mm</td>
<td>1300mm</td>
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<tr>
<td>Brake</td>
<td>Yes</td>
<td>50mm</td>
<td>60mm</td>
<td>70mm</td>
<td>80mm</td>
<td>90mm</td>
<td>10mm</td>
<td>11mm</td>
<td>12mm</td>
<td>13mm</td>
<td>14mm</td>
<td>15mm</td>
<td>16mm</td>
</tr>
<tr>
<td>Load Cell</td>
<td>D/D</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
<td>11</td>
<td>12</td>
</tr>
<tr>
<td>Pressure</td>
<td>10</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>50</td>
<td>60</td>
<td>70</td>
<td>80</td>
<td>90</td>
<td>100</td>
<td>110</td>
<td>120</td>
<td>130</td>
</tr>
<tr>
<td>Stroke (Available)</td>
<td>100mm: Yes</td>
<td>200mm: Yes</td>
<td>300mm: Yes</td>
<td>400mm: Yes</td>
<td>500mm: Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

JP-S SaS System PC Software

**JP-S Designer**
This software makes the following settings:
- Model Type/Adjustments
- Digital Input/Output (D/O)
- Fieldbus
- RS-232C
- Parameters
- JG Environment Settings
- Special Relay/Special Register
- Position Zone Output
- Constant Load Gain
- Program

For these settings the software allows you to enter settings, display data, edit, save files and print. In addition, the software carries out on-board transmission and bundle reception to and from the press (excluding Model Type/Adjustments for reception) graph display and screen display changes (length & load values, language).

**Graph Display**
Reads sampling files including time series data and displays run result data as a graph.

Green: Time Series Data
Aqua: Step Judgment Parameters
Purple: Load Zone Judgment** Parameters
Red: CPK (Process Capability Index)

**JP-S Sampler (Optional)**
This software is for bringing run result data (quality control data) time series data onto the PC and saving the sampling files in .csv text format.

JP-S Sampler can gather run result data from multiple Electro Presses.

- The number of connectable Electro Presses can vary depending upon the work environment.

**Enlarged Monitor Screen**

- The run result displays are color-coded. Run result and judgment are both OK: blue
- Run result and judgment are NG: red

**Detailed Display Screen**

- Quality Control Data Display Area
- One display line for each shot; screen shows time and date and software running/shot made/run result/judgment as well as each step's position/feedback each judgment value, etc.
- and you can save the data.
- CPK Display Area
- CPK details shown on a CPK graph
- Graph Display Area
- You can switch among time series graphs, histograms and CPK displays for items such as position-load time-position, time-load, time-speed, etc.
- Time Series Data Header Display Area
- Data headers for the most recent pressing results
- OK/NG Display Area

With the histogram, you can choose from among "Program", "Load Zone Judgment", "Step" and "Stop Judgment", and see variations in the data with one glance.

**JP-S Reporter (Optional)**
This software displays the run result data taken by JP-S Sampler and creates result analyses and reports (HTML format). JP-S Reporter reads in sampling files and setting data and displays quality control lists, quality control statistical lists, histograms, time series graphs and CPK graphs.

**Operating Environment**
The following operating environment is needed to run the JP-S SaS System Software:
- Windows® 7 / Windows® 8.1 / Windows® 10 / Windows® Embedded Standard / Windows® 7 [SP1]

Electro Press JP-S Series [02]
Electro-Press Dimensions

The dimensions shown here are for reference purposes only. For more details, please contact us.

JP-S0501-100, JP-S1001-100

Unit: mm

JP-S1001-20-100 (Clean Room Compatible)

The Clean Room Type is not CE declared for import into the EEA.

Unit: mm

JP-S1501-100, JP-S2001-100

Unit: mm

JP-S3001-100

Unit: mm
### External Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>D (mm)</th>
<th>H (mm)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>JP-S5001-100</td>
<td>65</td>
<td>155</td>
<td>555</td>
<td>12kg</td>
</tr>
<tr>
<td>JP-S5001-150</td>
<td>605</td>
<td>145</td>
<td>555</td>
<td>13kg</td>
</tr>
<tr>
<td>JP-S5001-200</td>
<td>605</td>
<td>145</td>
<td>555</td>
<td>14kg</td>
</tr>
<tr>
<td>JP-S5001-250</td>
<td>655</td>
<td>165</td>
<td>555</td>
<td>16kg</td>
</tr>
<tr>
<td>JP-S5001-350</td>
<td>805</td>
<td>185</td>
<td>555</td>
<td>18kg</td>
</tr>
<tr>
<td>JP-S1001-100</td>
<td>65</td>
<td>155</td>
<td>455</td>
<td>12kg</td>
</tr>
<tr>
<td>JP-S1001-150</td>
<td>605</td>
<td>145</td>
<td>505</td>
<td>13kg</td>
</tr>
<tr>
<td>JP-S1001-200</td>
<td>605</td>
<td>145</td>
<td>505</td>
<td>14kg</td>
</tr>
<tr>
<td>JP-S1001-250</td>
<td>655</td>
<td>165</td>
<td>505</td>
<td>16kg</td>
</tr>
<tr>
<td>JP-S1501-100</td>
<td>80</td>
<td>196</td>
<td>775</td>
<td>28kg</td>
</tr>
<tr>
<td>JP-S1501-150</td>
<td>80</td>
<td>196</td>
<td>775</td>
<td>30kg</td>
</tr>
<tr>
<td>JP-S1501-200</td>
<td>845</td>
<td>306</td>
<td>925</td>
<td>33kg</td>
</tr>
<tr>
<td>JP-S1501-400</td>
<td>995</td>
<td>356</td>
<td>995</td>
<td>35kg</td>
</tr>
<tr>
<td>JP-S2001-100</td>
<td>80</td>
<td>196</td>
<td>505</td>
<td>20kg</td>
</tr>
<tr>
<td>JP-S2001-200</td>
<td>845</td>
<td>306</td>
<td>775</td>
<td>28kg</td>
</tr>
<tr>
<td>JP-S2001-300</td>
<td>845</td>
<td>306</td>
<td>775</td>
<td>30kg</td>
</tr>
<tr>
<td>JP-S2001-400</td>
<td>995</td>
<td>356</td>
<td>995</td>
<td>33kg</td>
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<td>JP-S3001-100</td>
<td>100</td>
<td>259</td>
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<td>JP-S3001-200</td>
<td>680</td>
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<td>JP-S3001-300</td>
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<td>485</td>
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<td>JP-S3001-400</td>
<td>870</td>
<td>525</td>
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<td>JP-S5001-100</td>
<td>150</td>
<td>365</td>
<td>643</td>
<td>9kg</td>
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<tr>
<td>JP-S5001-200</td>
<td>743</td>
<td>110kg</td>
<td>743</td>
<td>110kg</td>
</tr>
<tr>
<td>JP-S5001-300</td>
<td>843</td>
<td>123kg</td>
<td>843</td>
<td>123kg</td>
</tr>
<tr>
<td>JP-S5001-400</td>
<td>893</td>
<td>129kg</td>
<td>893</td>
<td>129kg</td>
</tr>
<tr>
<td>JP-S5001-1000</td>
<td>943</td>
<td>135kg</td>
<td>943</td>
<td>135kg</td>
</tr>
<tr>
<td>JP-S5001-2000</td>
<td>889</td>
<td>198kg</td>
<td>889</td>
<td>198kg</td>
</tr>
<tr>
<td>JP-S5001-3000</td>
<td>1,089</td>
<td>238kg</td>
<td>1,089</td>
<td>238kg</td>
</tr>
<tr>
<td>JP-S5001-4000</td>
<td>1,189</td>
<td>272kg</td>
<td>1,189</td>
<td>272kg</td>
</tr>
</tbody>
</table>

### Controller Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>W (mm)</th>
<th>D (mm)</th>
<th>H (mm)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>JP-S5001-2001</td>
<td>79</td>
<td>163</td>
<td>287</td>
<td>3kg</td>
</tr>
<tr>
<td>JP-S5001-4000</td>
<td>104</td>
<td>188</td>
<td>328</td>
<td>5kg</td>
</tr>
<tr>
<td>JP-S5001-2001</td>
<td>147</td>
<td>188</td>
<td>365</td>
<td>8kg</td>
</tr>
</tbody>
</table>

*The high motor output type controller specifications are the same as those for the controller of the regular specification in parentheses. For dimensional diagrams of models not shown above, please contact us or download them from our website.*

http://www.janomeke.com

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**Controllers**

- JP-S5001
- Pendant Unit (Optional)
## Specifications

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressing Capacity</td>
<td>Maximum</td>
<td>5kN</td>
<td>10kN</td>
<td>15kN</td>
<td>20kN</td>
<td>30kN</td>
<td>50kN</td>
<td>100kN</td>
<td>200kN</td>
</tr>
<tr>
<td></td>
<td>Sensor Detection Unit**</td>
<td>2N</td>
<td>4N</td>
<td>7N</td>
<td>8N</td>
<td>12N</td>
<td>20N</td>
<td>40N</td>
<td>60N</td>
</tr>
<tr>
<td>Ram Stroke</td>
<td>100mm, 150mm, 200mm, 250mm, 300mm, 400mm</td>
<td>100mm, 150mm, 200mm, 250mm, 300mm, 400mm</td>
<td>100mm, 150mm, 200mm, 300mm, 400mm, 500mm</td>
<td>100mm, 200mm, 300mm, 400mm, 500mm, 600mm</td>
<td>100mm, 200mm, 300mm, 400mm, 500mm, 600mm</td>
<td>200mm, 400mm, 500mm, 600mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ram Speed</td>
<td>0.01<del>0.15m/sec, 0.01</del>0.3m/sec, 0.01<del>0.5m/sec, 0.01</del>0.75m/sec, 0.01<del>1m/sec, 0.01</del>1.5m/sec, 0.01~3m/sec</td>
<td>0.01<del>0.15m/sec, 0.01</del>0.3m/sec, 0.01<del>0.5m/sec, 0.01</del>0.75m/sec, 0.01<del>1m/sec, 0.01</del>1.5m/sec, 0.01~3m/sec</td>
<td>0.01<del>0.15m/sec, 0.01</del>0.3m/sec, 0.01<del>0.5m/sec, 0.01</del>0.75m/sec, 0.01<del>1m/sec, 0.01</del>1.5m/sec, 0.01~3m/sec</td>
<td>0.01<del>0.15m/sec, 0.01</del>0.3m/sec, 0.01<del>0.5m/sec, 0.01</del>0.75m/sec, 0.01<del>1m/sec, 0.01</del>1.5m/sec, 0.01~3m/sec</td>
<td>0.01<del>0.15m/sec, 0.01</del>0.3m/sec, 0.01<del>0.5m/sec, 0.01</del>0.75m/sec, 0.01<del>1m/sec, 0.01</del>1.5m/sec, 0.01~3m/sec</td>
<td>0.01<del>0.15m/sec, 0.01</del>0.3m/sec, 0.01<del>0.5m/sec, 0.01</del>0.75m/sec, 0.01<del>1m/sec, 0.01</del>1.5m/sec, 0.01~3m/sec</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Holding Time**</td>
<td>999.9sec</td>
<td>999.9sec</td>
<td>999.9sec</td>
<td>999.9sec</td>
<td>999.9sec</td>
<td>999.9sec</td>
<td>999.9sec</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Load Prec.**</td>
<td>±0.1% of 0.1% or more</td>
<td>±0.1% of 0.1% or more</td>
<td>±0.1% of 0.1% or more</td>
<td>±0.1% of 0.1% or more</td>
<td>±0.1% of 0.1% or more</td>
<td>±0.1% of 0.1% or more</td>
<td>±0.1% of 0.1% or more</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeatability**</td>
<td>±0.01mm</td>
<td>±0.01mm</td>
<td>±0.01mm</td>
<td>±0.01mm</td>
<td>±0.01mm</td>
<td>±0.01mm</td>
<td>±0.01mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum Jig Weight Suspended from Ram Tip**</td>
<td>5kg or less</td>
<td>10kg or less</td>
<td>15kg or less</td>
<td>20kg or less</td>
<td>30kg or less</td>
<td>50kg or less</td>
<td>100kg or less</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Consumption</td>
<td>2000W</td>
<td>4000W</td>
<td>7500W</td>
<td>7500W</td>
<td>2000W</td>
<td>5000W</td>
<td>5000W</td>
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<td></td>
</tr>
<tr>
<td>Power Source</td>
<td>Single Phase</td>
<td>180~250V (50/60Hz)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Three Phase</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethernet</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td>(Pendant Unit is optional)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Motor Encoder Output</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Load Cell Output</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td>Included as Standard Equipment</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Analog Motor Output</td>
<td>Speed and motor torque values monitored using electrical current output during press operation (optional).</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Digital Input/Output (320)</td>
<td>17 Inputs, 16 Outputs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fieldbus</td>
<td>DeviceNet / PROFINET</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regenerative Resistance**</td>
<td>External Attachment / Built-in</td>
<td>(Please specify when placing your order)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Through Output for Pendant Unit Emergency Stop Contact Point**</td>
<td>Contact point for Emergency Stop Button (EMS) attached to Pendant Unit goes through the controller unit outputs directly.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>RS232C</td>
<td>1ch. (9 pins)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>IP Address Setting, access to I/O Memory (Register/register reading and writing)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Operating Environment &amp; Relative Humidity</td>
<td>Temperature</td>
<td>0~40°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Relative Humidity</td>
<td>20~90% (Without condensation)</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Protection Rating</td>
<td>IP20</td>
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</tr>
</tbody>
</table>

---

**1. Load detection unit indicates resolution accuracy (A to D conversion); this differs from load detection accuracy.

**2. Hold times decrease as loads increase. (In some situations, hold times cannot be established.) Increases in motor temperature also shorten hold times.

**3. Load sensor accuracy is ±1% of the maximum pressing capacity provided that the press is operating at 50% of its maximum capacity or above and the press unit and surrounding environment are at a constant temperature. (However, for the 15kN type, load sensor accuracy is ±1% when at 15% maximum capacity or above.)

**4. This figure represents the level of sensor accuracy and is not an indicator of load tolerance after pressing or margin of error.

**5. Repeatability is dependent upon the press unit bearing a constant load and the press and surrounding environment are at a constant temperature. Repeatability is not absolute and is not guaranteed.

**6. For information about jig weight, please contact the manufacturer of the jig you are using.

**7. The regenerative resistance for the JP-S9001 High Power Motor Specifications type is built-in only.

**8. The controller unit’s emergency stop signal is not detectable by the controller. To activate it, please be sure to construct a circuit that cuts power to the unit during an emergency stop.

**9. The controller’s memory has 40K of memory capacity. (This is roughly equal to 3000s of time series data.)

**10. The high power of JPS Series presses is suitable for applications requiring a high level of accuracy. For more information, please contact us for further details.

**11. Clean Room Types are not CE certified for use in the European Union.

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### Software Functions

<table>
<thead>
<tr>
<th>Software Functions</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of Programs**</td>
<td>Up to 512</td>
</tr>
<tr>
<td>No. of Pressing Steps**</td>
<td>Up to 512 (in one program)</td>
</tr>
<tr>
<td>No. of Step Sensor Judgments**</td>
<td>Up to 16 (in one step)</td>
</tr>
</tbody>
</table>

#### Basic Pressing Modes
- Constant Speed Pressing: Position Hold / Constant Speed Pressing: Distance Hold / Constant Speed Pressing: Lift Hold / Constant Speed Pressing: Increase Load Hold / Constant Speed Pressing: Event Hold
- Constant Load Pressing: Time Hold / Constant Load Pressing: Position Hold / Constant Load Pressing: Distance Hold / Constant Load Pressing: Event Hold
- Using the combinations listed above, it is possible to set multiple pressing steps in a single program.

#### Step Sensor Judgment Types
- Position Sensor (beginning of step)
- Load Sensor: Given Position / Load Sensor: Given Distance
- Peak Load Sensor: Given Position / Peak Load Sensor: Given Distance
- Top Load Sensor: Given Position / Top Load Sensor: Given Distance
- Valley Load Sensor: Given Position / Valley Load Sensor: Given Distance
- Peak to Peak Load Sensor: Given Position / Peak to Peak Load Sensor: Given Distance
- Differential Sensor 1: Given Position / Differential Sensor 1: Given Distance
- Differential Sensor 2: Given Position / Differential Sensor 2: Given Distance
- Position Sensor (end of step)
- Load Path Sensor: Given Position / Load Path Sensor: Given Distance

#### Ethernet Interface Capability
- System program write-over
- Send/receive setting data
- Send result data
- Relay/register access-based control (Ethernet IO)

#### PC Software (JP-S SaX System)**

#### Display Unit Options
- Display: N, ng, L
- Length Unit: mm, inch

#### Pendant Unit Display Language Options
- English, Japanese, Korean, Simplified Chinese

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**1) The number of programs, pressing steps and step judgments is limited in relation to the total memory size (about 1MB). When multiple steps are included in one program, this in turn limits the number of new programs which can be added to the memory.

**2) The JP-S SaX System is a software package created for the JP-S Series. It is not compatible with other Electro Press products.

JP-S Sampler and JP-S Designer are not equipped with a language switching function. Please choose your preferred language when you place your order.

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### Standard Attachments
- Main unit cables (motor cable, encoder connector cable, sensor/load cell cable or sensor cable)
- JP-S3001-11, and models with a maximum pressing capacity of 500N and above include a thermostat cable.
- Power cables (controller power cable, press unit drive power cable)
- Operation manual, PC software (C-ROM) JP-S SaX System JP-S Designer

### Options
- Pendant unit (with or without an emergency stop button*) (cable length: 2m, 3m, 5m or 10m)
- Emergency stop button connection point output cable* (cable length: 3m or 5m)
- Short connector for the pendant*
- DI/DO connector
- DI/DO cable (cable length: 2m, 3m, 5m)
- Encoder output cable (cable length: 3m or 5m)
- Load cell output cable (cable length: 3m or 5m)
- Analog monitor output cable (cable length: 2m)
- DIN rail attachment board
- When using a pendant unit with an emergency stop button, be sure to construct a circuit to cut off the drive power. An "emergency stop button connection point output cable" is needed to construct a cut-off circuit.
- Also, when removing a pendant unit that has an emergency stop button, a "pendant short connector" is needed.

### Compliance with European Union EC Directives
- We make the following declarations about this product.
  1. Declaration of EMC conformity
  2. Declaration of conformity to cover LVD and MD
- For the machine and device as a whole, we respectfully request that customers conduct their own conformity test and risk assessment and carry out procedures for their declaration of EMC, LVD and MD conformity.

### Conformity Models:
- JP-S0001UP-SC001
- JP-S0001UP-SC001
- JP-S0001UP-SC1001
- JP-S0101UP-SC1001
- JP-S0101UP-SC1501
- JP-S0101UP-SC1501
- JP-D001UP-SC001
- JP-D001UP-SC001
- JP-D201UP-SC201F
- JP-D201UP-SC201F

(Clean Room Type) are not CE declared for import into the EEA.

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**Before using your press, read the operation manual and be sure to use the press correctly.

**Specifications may be modified without prior notice to improve product quality.