AC SERVO PRESS

LINEUP

<table>
<thead>
<tr>
<th>Model No.</th>
<th>CS05</th>
<th>CS10</th>
<th>CS20</th>
<th>CS30</th>
<th>CS50</th>
<th>BS100</th>
<th>BS200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Force (kN)</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>30</td>
<td>50</td>
<td>100</td>
<td>200</td>
</tr>
<tr>
<td>Stroke (mm)</td>
<td>100/250</td>
<td>100/200/350</td>
<td>100/200/350</td>
<td>100/200/350</td>
<td>100/200/350</td>
<td>100/200/350</td>
<td>100/200/350</td>
</tr>
<tr>
<td>Max. Speed (mm/s)</td>
<td>300</td>
<td>180</td>
<td>270</td>
<td>240</td>
<td>150</td>
<td>150</td>
<td>110</td>
</tr>
<tr>
<td>Controller</td>
<td>CPS-SP-75**</td>
<td>BS-M3A-1A + Amp.</td>
<td>BS-M3A-1A + Amp.</td>
<td>BS-M3A-1A + Amp.</td>
<td>BS-M3A-1A + Amp.</td>
<td>BS-M3A-1A + Amp.</td>
<td>BS-M3A-1A + Amp.</td>
</tr>
<tr>
<td>Load Accuracy</td>
<td>±1.5% @ Load cell FS</td>
<td>±0.5% @ Load cell FS</td>
<td>±0.5% @ Load cell FS</td>
<td>±0.5% @ Load cell FS</td>
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<td>±0.5% @ Load cell FS</td>
</tr>
<tr>
<td>Load Repeatability</td>
<td>±0.01mm (under identical load)</td>
<td>±0.01mm (under identical load)</td>
<td>±0.01mm (under identical load)</td>
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<td>±0.01mm (under identical load)</td>
</tr>
<tr>
<td>Ambient Conditions</td>
<td>0~45°C / 85% or less (with no condensation)</td>
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</tr>
<tr>
<td>Max. Power Capacity (kVA)</td>
<td>0.75</td>
<td>0.75</td>
<td>1.85</td>
<td>2.5</td>
<td>3.5</td>
<td>7.5</td>
<td>10.0</td>
</tr>
</tbody>
</table>

How to order

- **CS30 - 200 B**
  - (Model No.)
  - **Stoke(mm)**
  - 100/250
  - 100/200/350
- **BS200 - 200 B C**
  - (Model No.)
  - **Stoke(mm)**
  - 100/200/350
  - 100/300/350

TOOL DIMENSIONS

Contributing to CO2 reduction
1. Completely electrically controlled
2. Low energy consumption
3. Compact design

Specifications, dimensions and shape are subject to change without prior notification.

AC SERVO PRESS
Intelligent press system for the new era

CORETEC INC.
www.coretec.co.jp
info@coretec.com

DempSCO, INC.
Components for Material Processing Systems
Dayton, OH 45459 (937) 436-1000
www.dempscio.com
info@dempscio.com
1. **Compact Design**
The design combines mechanical strength with the compactness of a hydraulic cylinder. Space-saving design and minimum mounting pitches allow for multi-axis press fitting.

2. **Intelligent Functionality**
The press tool is equipped with a CPU enabling it to store items such as model numbers and load values in a self-memory, and thereby eliminating controller mismatch errors.

3. **Maintenance Support**
This press tool performs self-control of operation counts and travel distances to support systematic maintenance.

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**1. Ethernet Capability**
Compared to the RS-485, this series provides unparalleled high-speed signal functionality. Even large volumes of graphical data can be collected nearly instantaneously resulting in compact cycle times.

**2. Improved Traceability**
Installation of optional circuit boards provides compatibility with CC-Link, DeviceNet, Profinet and other applications. Supporting PLC memory storage of numerical results in addition to basic input/output operations.

**3. Production of a Wide Variety of Product Models**
Major parameters within programs can be changed through a PLC. Creation of a single program allows for handling variations between multiple product models.

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**1. New Programming Methods for High Level of Freedom**
A specialized language for the servo press has been developed that permits description of complicated motions equivalent to robotic control systems.

**2. Easy Program Creation**
Automatic program creation function included as standard on PC applications allowing for complete creation of general-purpose programs with only a requisite minimum of settings.

**3. Variety of Evaluation Methods**
Load, stroke and load rate values are evaluated according to final and peak points, as well as points at your discretion. A zone evaluation function has also been newly adopted.

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**What is zone evaluation?**
- A zone evaluation allows for continuous evaluation in the stroke-load area.
- "Zone" refers to the evaluation area created by a tolerance range added to the actual measured curve.
- The unit is immediately stopped if outside of the zone.
- A maximum of 32 zones can be used.
- Switching between numerous zones within a single program is also possible.

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**Example of Actual Use (Plug press-fit results)**

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**CONTROLLERS**

**How to order**

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