1. Compact and Tough Tool Design

The design combines mechanical strength with the compactness of a hydraulic cylinder. Space-saving design and minimum mounting pitches allow for multiaxis 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, thereby eliminating controller mismatch errors.

3. Maintenance Support

This press tool performs internal operation counts and travel distances to support systematic maintenance.

High Speed Processing Network, Reliable Traceability

1. EtherCAT 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 various FA networks. 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 a program can be changed through a PLC. Creation of a single program allows for handling variations between multiple product models.

Simple Programming, Perfect Analysis Function

1. New Programming Methods for High Level of Freedom

A specialized language for the servo press has been developed that permits description of complicated motion 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 side values are evaluated according to free and peak points as well as points of your discretion. A zone evaluation function has also been newly adopted.

Special Design Servo Presses

With a lot of machine building expertise, Coretec will help to realize your needs. Here are some examples of our Special Design Servo Presses.

- **High-Load Model**
  - Example 1: MS100-100B
    - Approaching Speed: 90mm/s
    - Holds 70kN Load for 15 minutes.
  - Example 2: MS100-350B
    - Approaching Speed: 50mm/s
    - Enabled repeat operation under 80kN Load.
  - Example 3: MS300-200B
    - Approaching Speed: 125mm/s
    - Realized repeat operation under 30kN Load.

- **High-Speed Model**
  - Under development of MS100(200mm/s)/MS200(160mm/s) models.

- **Designed for Clean room use**

Feel free to consult us for special environment use.

Tandem use

300kN Use

Realized Maximum Load with Two Shafts

Multiple Shaft, Fully synchronized

Multiple use of Servo Presses, enables uniform operation for larger size parts.

Custom Press Stand

Equipped with Frames, Power unit, Control panel, etc.

Multi Press

Start your work by just connecting the power cable. Program setting is not necessary. Suitable for simple use.

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**CS05/10/20/30/50**

- **Max. Force (kN):** 5 to 50
- **Semi Standard Stroke (mm):** 150/400
- **Max. Speed (mm/s):** 300/180/270/240/150
- **Max. Power Capacity (kVA):** 0.75/0.75/1.85/2.5/3.5

**MS100/200 (Successor of BS model)**

- **Max. Force (kN):** 100/200
- **Semi Standard Stroke (mm):** 100/200/350
- **Max. Speed (mm/s):** 300/180/270/240/150
- **Max. Power Capacity (kVA):** 5/5/10/20/30/50

**MS02-100B**

- **Main Applications:**
  - Sheet metal and plastic parts press-fitting
  - Powder molding
  - Electronic parts assembly
  - Food packaging
  - Single-stage press-fitting
  - Gripper positioning

**SPECIFICATIONS**

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<th>Model No.</th>
<th>Force *1 (kN)</th>
<th>Am. (A)</th>
<th>Amp. (A)</th>
<th>Amp. (A)</th>
<th>Weight (kg)</th>
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**SYSTEM CONFIGURATION**

- **CPS Controller:**
  - Load Cell
  - Emergency Stop
  - Auto Program Generation
  - PLC, etc.

**TOOL DIMENSIONS**

- **MS02-100B:**
  - 2kN
  - For special design, please consult us.