





# CS05/10/20/30/50

# 5 to 50kN

## MAIN APPLICATIONS

Bearing press fitting	Riveting
Valve seat press fitting	Pin press fitting
Valve guide press fitting	Multi-stage press fitting
Bushing press fitting	Flattening/Straightening
Plug press fitting	

## SPECIFICATIONS

Model No.	CS05	CS10	CS20	CS30	CS50
Max. Force (kN)	5	10	20	30	50
Applicable Force *1 (kN)	3	7	14	21	40
Stroke (mm)	100/250		100/200/350		
Semi Standard Stroke (mm)	150	150	150/400	400	400
Max. Speed (mm/s)	300	180	270	240	150
Controller	CPS-SP-75**				
Load Cell Accuracy	±1.5% @Load cell FS				
Positional Repeatability	±0.01mm (under identical load)				
Ambient Conditions	0 to 45°C / 85% or less (with no condensation)				
Max. Power Capacity (kVA)	0.75	0.75	1.85	2.5	3.5

\*1 This is a recommended operating force in consideration of mechanical life.

Please consult us for special design.

## How to order

**CS30 - 200 B**  
① ② ③

- ① Model No.
- ② Stroke (mm)  
100/250 ..... CS05/10  
100/200/350 ..... CS20/30/50
- ③ Holding Brake  
B: With Holding Brake  
- : Without Holding Brake

## CONTROLLER

### CPS Controller

CPS-SP-75\*\*-□  
Dim: 65×230×198mm

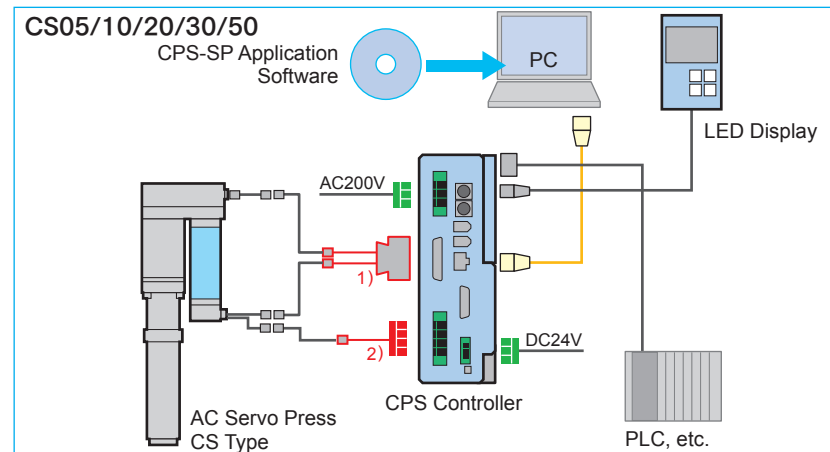
### How to order

**CPS - SP - 75 \* \* - □**

Hardware Version ...  
Software Version ...

- FA Network (optional)
- CC: CC-Link
- DV: DeviceNet
- PF: Profibus DP
- PN: Profinet IO
- EI: EtherNet/IP
- EC: Ether CAT(planned)

## SYSTEM CONFIGURATION



- 1) Basic encoder / brake cable: CCSLESB-\*\*M
- 2) Basic motor cable: CCKMT-\*\*M
- \*\*Cable length: 5/10/15/20/25/30m

# MS100/200

(Successor of BS model)



MS200-100B

# 100/200kN

## MAIN APPLICATIONS

Bearing press fitting	Riveting
Valve seat press fitting	Pin press fitting
Valve guide press fitting	Multi-stage press fitting
Bushing press fitting	Flattening/Straightening
Plug press fitting	

## SPECIFICATIONS

Model No.	MS100	MS200
Max. Force (kN)	100	200
Applicable Force *1 (kN)	70	150
Stroke (mm)	100/200/350	100/200
Semi Standard Stroke (mm)	400	300
Max. Speed (mm/s)	150	110
Controller	BS-M3A-**-□ + Amp.	
Load Cell Accuracy	±1.5% @Load cell FS	
Positional Repeatability	±0.01mm (under identical load)	
Ambient Conditions	0 to 45°C / 85% or less (with no condensation)	
Max. Power Capacity (kVA)	7.5	10.0

\*1 This is a recommended operating force in consideration of mechanical life.

Please consult us for special design.

## How to order

**MS200 - 200 B C**  
① ② ③ ④

- ① Model No.
- ② Stroke (mm)  
100/200/350 ..... MS100  
100/200 ..... MS200
- ③ Holding Brake  
B: With Holding Brake (standard)  
- : Without Holding Brake
- ④ Built-in Load cell  
C: Without Built-in Load cell (MS200 only)  
- : With Built-in Load cell

## CONTROLLER

### BS Controller (for MS model)

BS-M3A-\*\*-□  
Dim: 51×110×198(mm)

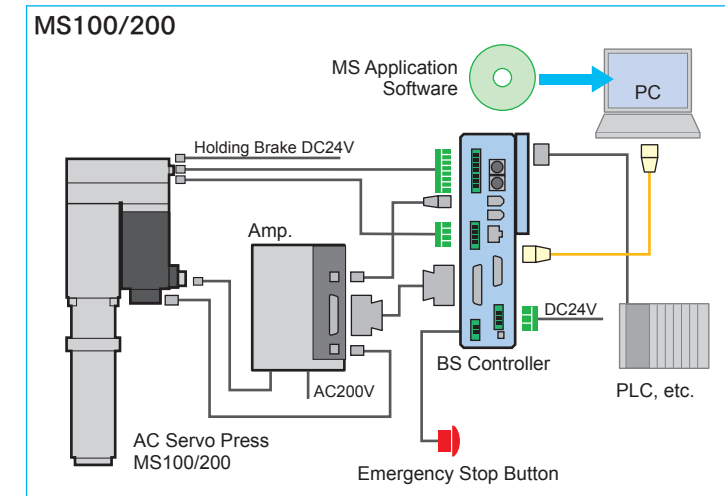
### How to order

**BS-M3A-\*\*-□**

Hardware Version ...  
Software Version ...

- FA Network (optional)
- CC: CC-Link
- DV: DeviceNet
- PF: Profibus DP
- PN: Profinet IO
- EI: EtherNet/IP
- EC: Ether CAT(planned)

## SYSTEM CONFIGURATION



# MS02-100B

# 2kN



MS02-100B

## MAIN APPLICATIONS

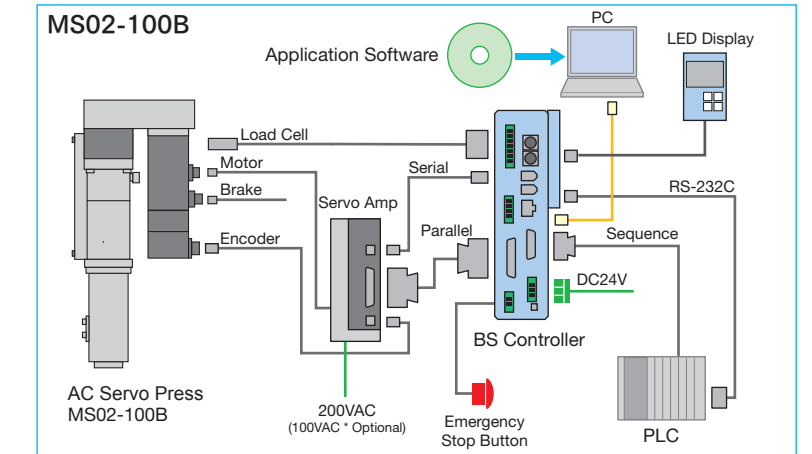
Plastic/film forming and deposition	Food packaging
Press-fitting of metal and plastic parts	Electronic parts assembly
Mold and lead forming for electronic parts	Powder molding

## SPECIFICATIONS

Model No.	MS02-100B
Max. Force (kN)	2
Applicable Force *1 (kN)	1.5
Stroke (mm)	100
Max. Speed (mm/s)	225
Load Cell Accuracy	±1.5% @Load cell FS
Positional Repeatability	±0.01 mm (under identical conditions)
Ambient Conditions	0 to 45°C / 85% or less (with no condensation)
Max. Power Capacity (kVA)	0.3
Weight (kg)	3.5

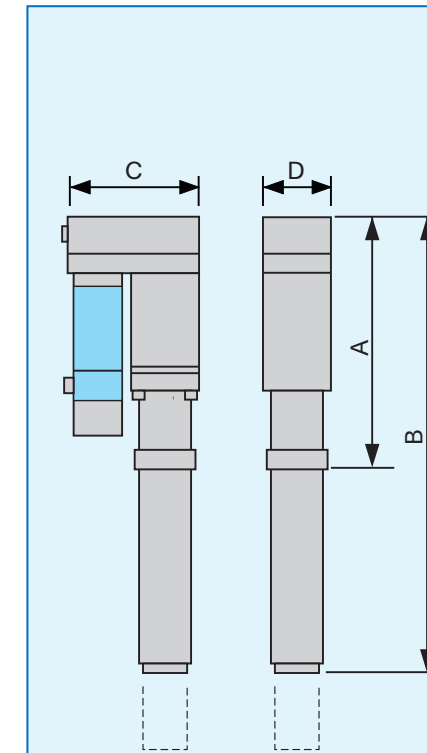
\*1 This is a recommended operating force in consideration of mechanical life.

## SYSTEM CONFIGURATION



- The smallest & Lightest Servo Press in the Industry
- Integrated Load Cell. Capable of Tension & Compression
- Constant Load Can Maintain Force
- Max. Speed 225mm/ sec. Can Shorten Cycle Time
- Auto Program Generation for Quick & Easy Programming

## TOOL DIMENSIONS



### MS02-100B

Model No.	A (mm)	B (mm)	C (mm)	D (mm)	Weight (Kg)
MS02-100B	162	252	108	48	3.5

### CS05/10/20/30/50

Model No.	A (mm)	B (mm)	C (mm)	D (mm)	Weight (Kg)
CS05-100B	335	450	150	65	13
CS05-250B	655	655	150	65	18
CS10-100B	335	450	150	65	13
CS10-250B	655	655	150	65	18
CS20-100B	390	495	200	80	24
CS20-200B	635	635	200	80	28
CS20-350B	835	835	200	80	34
CS30-100B	398	540	215	94	32
CS30-200B	665	665	215	94	36
CS30-350B	845	845	215	94	42
CS50-100B	565	795	260	135	73
CS50-200B	875	875	260	135	79
CS50-350B	1055	1055	260	135	93

### MS100/200

Model No.	A (mm)	B (mm)	C (mm)	D (mm)	Weight (Kg)
MS100-100B	535	765	290	135	84
MS100-200B	845	845	290	135	90
MS100-350B	1025	1025	290	135	104
MS200-100B	721	1020	451	228	170
MS200-200B	1120	1120	451	228	184

\*MS200: without load cell