

Bench Servo Press

FLEXPRESS BCM

FlexPress® BCM-Series is a bench top servo press ideal for small quantity production lines where a fully automated system may not be required. This series allows you to control each of your products under optimal conditions.



► Characteristics

High-precision Press-fit system

- Repeatability : ± 0.01 mm
- Resolution : 0.001 mm
- Virtual pressure unit : 10N

User convenience

- Built-in power and wiring and easy installation
- Basic maneuvering from control panel
- Precise and easy touching via jog and step movement
- Wide touch screen
- Convenient graphic interface
- Additional sensors for operator safety

Self-aligning and Correction during press-fit (optional)

- Refer to the specifications of Center Master
- Prevents assembly nonconformity by auto-correction during assembly

Reduced facility investment cost

- Cost competitive with competitors
- Reduces operating and maintenance costs
- No other facility needed (pneumatic and hydraulic system)

Systematic production quality management

- Manages up to 100 production models
- Optimized operating condition for each process
- Various decision-making settings and accept / reject option
- Exceptional data analysis



Monitoring Program



Control Panel



Power Supply

► Application

Forced Insertion

Bearing, oil seal, bush, pin, axis, gear and more

Pressurization

Cramping, riveting, bonding, cocking, stamping, forming and more

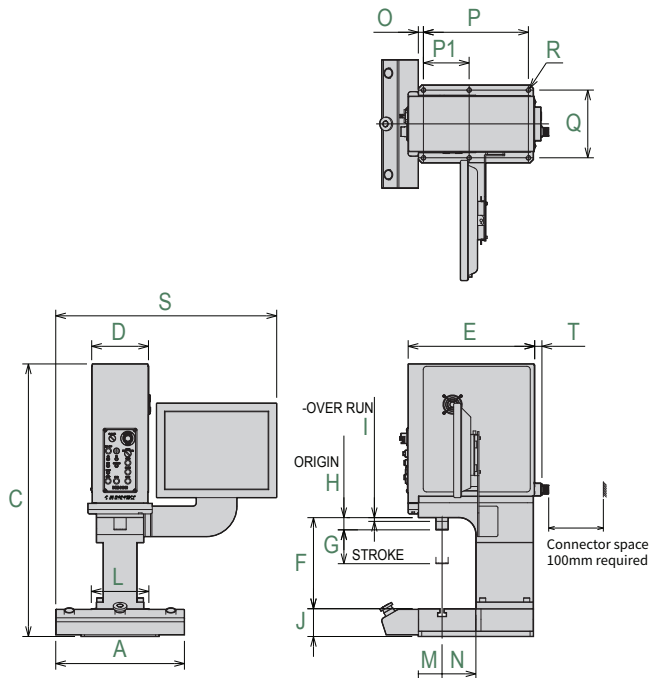
► Specifications of FLEXPRESS BCM

EX) BCM – 01520

BCM	015	20
BCM	Force	Stroke
BCM : Bench-type	2 [kN] : 002 5 [kN] : 005 10 [kN] : 010 15 [kN] : 015 30 [kN] : 030	100 [mm] : 10 150 [mm] : 15 200 [mm] : 20



Specification		Model							
		BCM-00210	BCM-00220	BCM-00510	BCM-00520	BCM-01010	BCM-01020	BCM-01520	BCM-03020
Speed setting Unit		0.01 [mm/s]							
Position Setting Unit		0.001 [mm]							
Thrust Setting Unit		1 [N]						10 [N]	
Repeat-ability	Position	±0.01 [mm] (At without load)							
	Force	Below ± 1% of F.S.							
Digital Input		15EA Input							
Digital Output		7EA Output							
Control Method		10/100M ETHERNET (RJ45)							
Computer Specification		15" Touch Panel PC Exclusive Operating Program							
Power		1P 220VAC 50/60Hz							3P 220VAC 50/60Hz
Continuous Rated Current		1P 220VAC 2.1A			1P 220VAC 3.5A		1P 220VAC 5.3A	3P 220VAC 5.3A	3P 220VAC 15A
Temperature		0C°~ 40C°							
Humidity		20% ~ 80% (No Condensing)							



Force [kN]	Model	Stroke [mm]	Speed [mm/s]	Weight [kg]
2	BCM-00210	100	125	150
	BCM-00220	200		175
5	BCM-00510	100		150
	BCM-00520	200		175
10	BCM-01010	100		150
	BCM-01020	200		175
15	BCM-01520	200		175
30	BCM-03020	200	83.3	520
50	BCM-05020	200	95.2	860

► Dimensions of FLEXPRESS BCM

Force [kN]	Model	Dimension [mm]																				
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	P1	Q	R	S	T
2	BCM-00210	380	448	805	168	374	269	100	36	11	82	108	170	70	100	15	310	135	200	6-M14	652.5	22
	BCM-00220			1021			369	200														
5	BCM-00510			805			269	100														
	BCM-00520			1021			369	200														
10	BCM-01010			805			269	100														
	BCM-01020			1021			369	200														
15	BCM-01520			1021			369	200														
30	BCM-03020	380	808	1195	220	650	385	200	35	10	190	108	300	150	200	50	600	200	340	8-ø18	-	4
50	BCM-05020	460	910	1365	300	802	385	200	35	10	200	108	380	148	202	60	630	210	420	8-ø18	-	4

* Please separately consult for 150~500 [kN] specifications.

* Drawings are available for download at www.cnmrobotics.com.