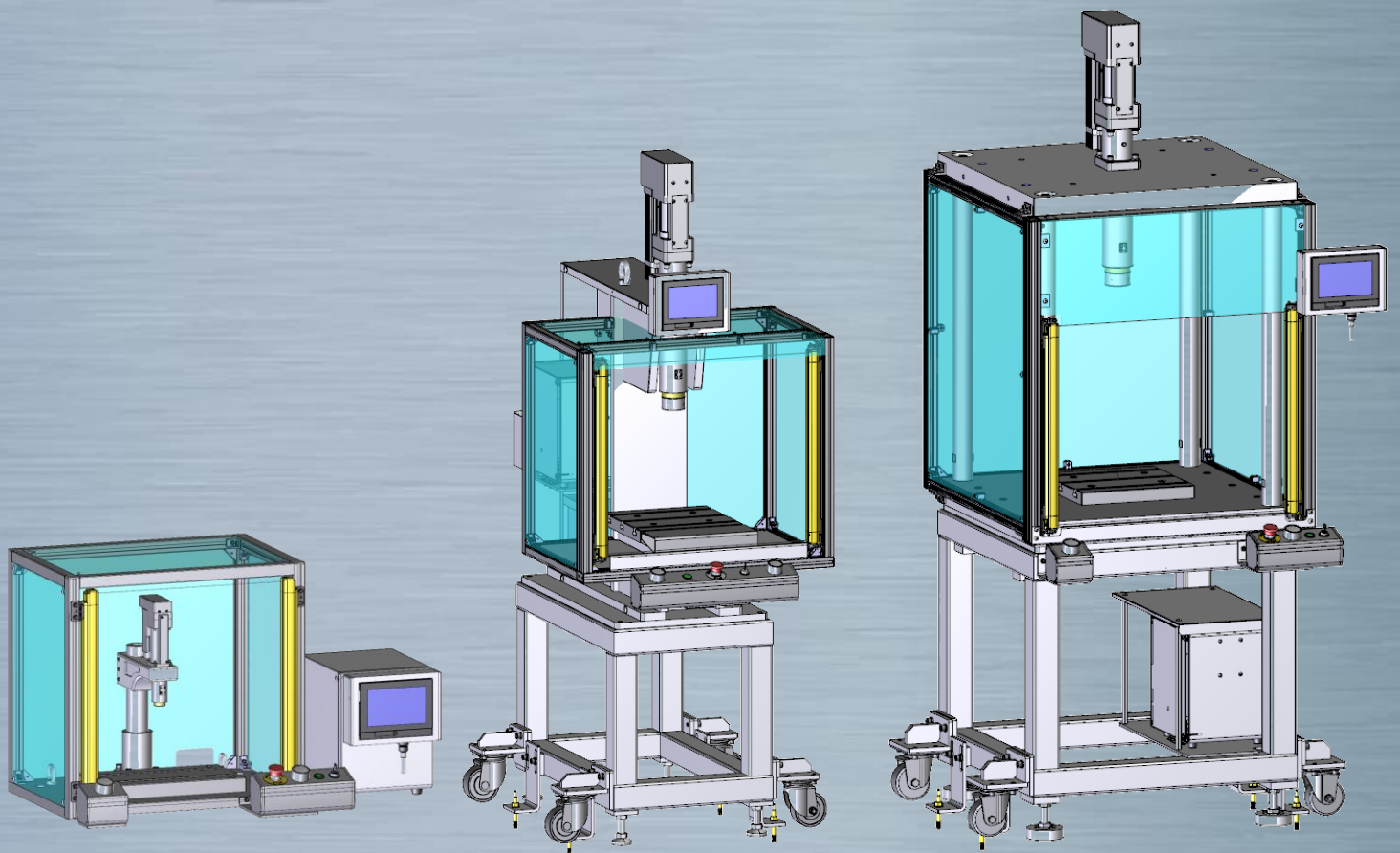


Multi↓Press



Start Production in less than 5 Minutes

Connect the Power Supply

Simply plug into a single-phase 100V or three-phase 200V power supply.

Without connector options are available. Contact us for details.

STEP1

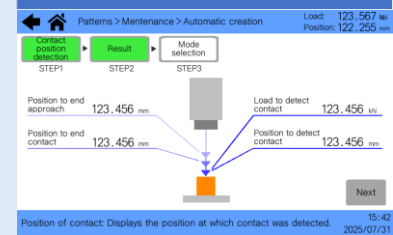


Make the Operation Program

Set target positions, load, and speed using a fill-in-the-blank format.

Basic values can be set automatically by simply placing the work and selecting the Auto Generation function.

STEP2



Start Operation

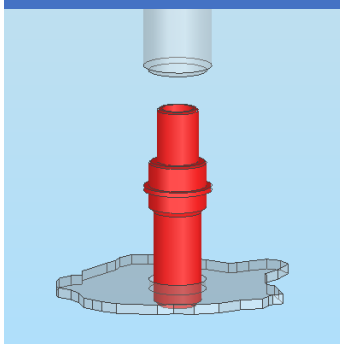
Press the two-hand start button to begin the press operation.

STEP3



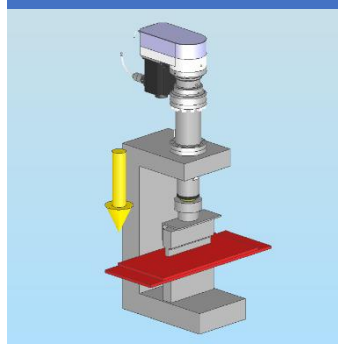
Applications

Press-Fitting & Crimping



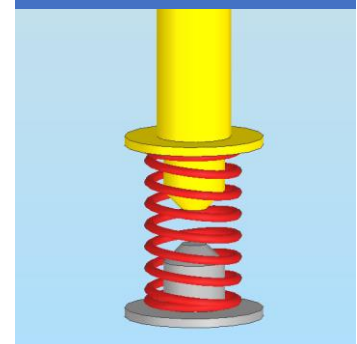
Shaft press-fitting
Riveting

Welding & joining



Film bonding
Joint assembly

Testing & Prototyping



Compression and strength testing
Setting conditions for mass production

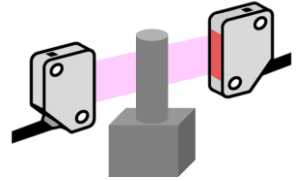
Add Features After Installation

The Multi-Press system supports additional features even after installation to improve productivity and operational monitoring.

CASE1

Add Workpiece Detection

Adding sensors enables the Multi Press to detect a workpiece presence before starting, ideal for error-proofing(Poka-yoke).



CASE2

Light Up a Lamp After Operation Complete

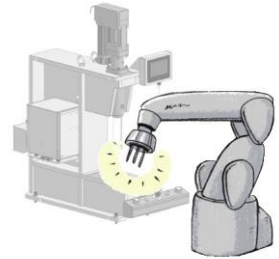
Adding a status indicator light to show OK/NG judgment results after the operation is completed.



CASE3

Automate Material Handling

Adding a robot, the multi-press can be used as an automated machine.



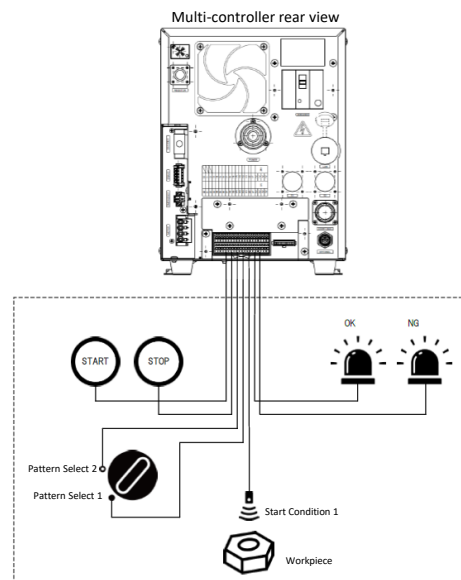
◆ Standard External I/O Allocation Functions

Input		Output	
1	Start Condition 1	1	One-Step Mode
2	Start Condition 2	2	External Mode
3	Home Return Command	3	Start Possible Position
4	Start command	4	Start Possible
5	Stop command	5	In Operation
6	Completed Reset	6	OK Completed
7	Spare	7	NG Completed
8	Error Reset	8	Error
9	Pattern Selection 1	9	Current Pattern 1
10	Pattern Selection 2	10	Current Pattern 2
11	Pattern Selection 4	11	Current Pattern 4
12	Pattern Selection 8	12	Current pattern 8

* For details on connections and signals, please refer to the user manual.

◆ Connection Example

I/O are located on the rear panel.

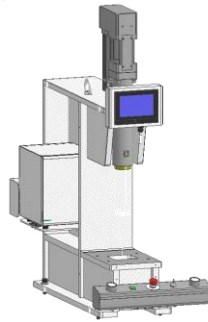


Frame lineup

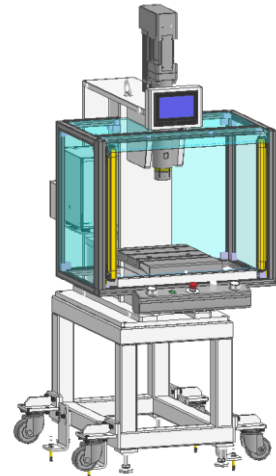
Designed for optimal force capacity, installation flexibility, and ease of operation, three frame types are available.

C-Type Frame

The C-shaped design provides a wide opening, making it easier to set up workpieces. This frame is ideal for manual operations.



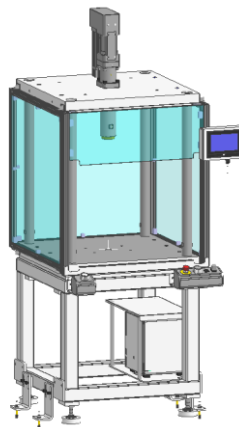
Standard Specifications



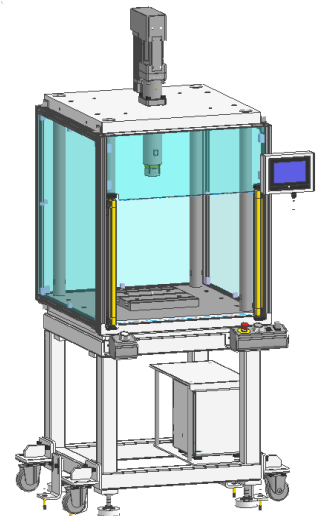
Full-Option Specification

4-Pillar Type Frame

The 4-pillar structure eliminates frame opening under load, making it suitable for high-force and high-precision processing applications.



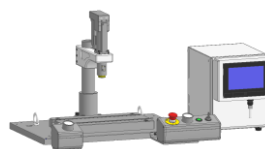
Standard Specifications



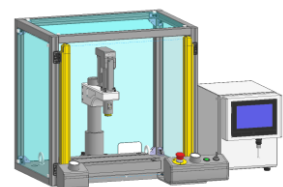
Full-Option Specification

Tabletop Type

The lightweight and compact frame allows for placement on a workstation, optimizing space. This frame is ideal for processing electronic components, prototype testing, and other low-force applications.



Standard Specifications



Full-Option Specification

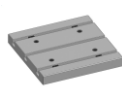
Build Your Ideal Specifications with Options

Tip Adapter



Protects the tip during jig attachment and removal.

Bolster



Enables smooth die set changes.

Caster



Attach to the base for easy movement.

Safety Cover



Ensures operational safety.

Mounting Stand





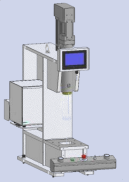

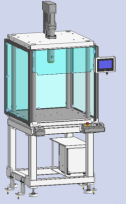

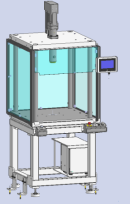
Allows for setup at an optimal working height.


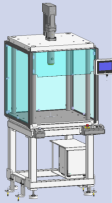

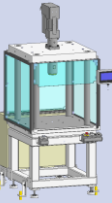

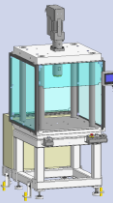

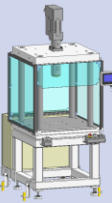
Light Curtain



Ensure safety and workability

Thrust lineup

Maximum Instantaneous Thrust	2kN	5kN		10kN		30kN	
Applicable Thrust	1.5kN	3kN		7kN		21kN	
Standard Stroke	100mm	100mm		100mm		200mm	
Frame	Tabletop	Tabletop	C-Type	C-Type	4 Pillars	C-Type	4 Pillars
							
Maximum Speed	150mm/s						
Minimum Thrust Setting	0.001kN			0.01kN			
Weight(Approx.kg)	120	165	255	255	850	380	935
Model	PSWG02	PSWG05	PCWG05	PCWG10	PFWG10	PCWG30	PFWG30

Maximum Instantaneous Thrust	50kN		80kN		100kN		200kN	
Applicable Thrust	40kN		70kN		70kN		150kN	
Standard Stroke	200mm		200mm		200mm		200mm	
Frame	C-Type	4 Pillars	C-Type	4 Pillars	C-Type	4 Pillars	C-Type	4 Pillars
								
Maximum Speed	90mm/s				120mm/s		90mm/s	
Minimum Thrust Setting	0.01 kN				0.1kN			
Weight(Approx. kg)	590	1,060	910	1,210	1,665	1,725	2,700	1,900
Model	PCWG50	PFWG50	PCWG80	PFWG80	PCWM100	PFWM100	PCWM200	PFWM200

◆Common specifications

Load Accuracy	±5% of Maximum Instantaneous Thrust
Minimum Setting Unit	[Stroke] 0.01mm [Speed] 0.01mm/s
External Interface	Ethernet (Data collection possible using the included application)
Operating Environment	[Ambient temperature] 0 °C to 40 °C [Humidity] 85 % or less [Atmosphere] No condensation, corrosive gases, or cutting oil

Model/Option lineup

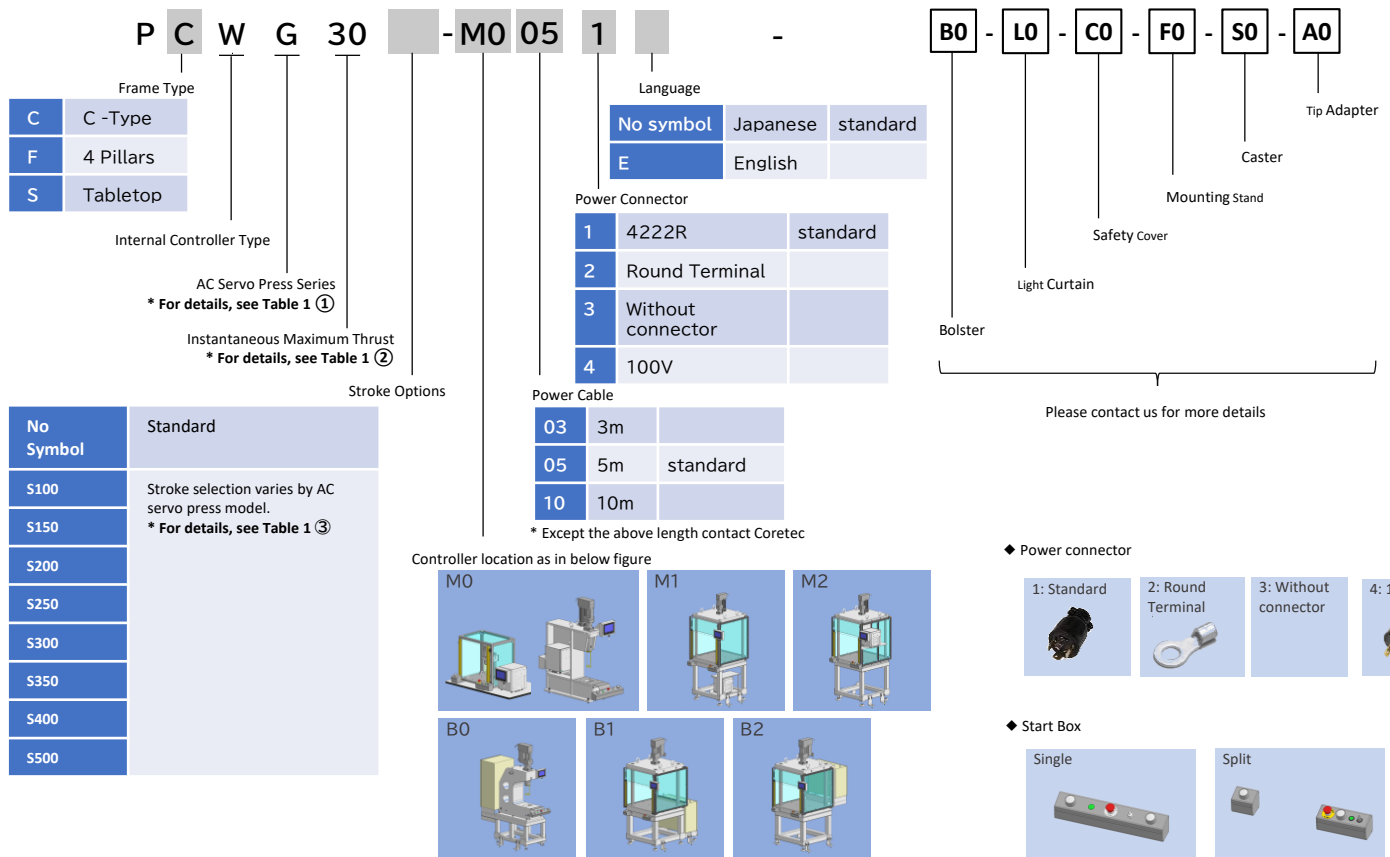


Table 1: Combination List

(Standard: Standard Specification | △: Customizable Option)

Frame	Tool Type			Stroke ③								Controller Type			Start BOX
	AC servo press model	①	②	S100	S150	S200	S250	S300	S350	S400	S500	Standard	Semi-standard	Custom	Standard
C-Type	GS5	G	05	standard	△		△					M0			Single
	GS10	G	10	standard	△		△					M0			Single
	GS30	G	30	△		standard						M0			Single
	GS50	G	50			standard						M0			Single
	GS80	G	80	△		standard						M0			Single
	MS100	M	100	△		standard						B0			Single
	MS100M	M	100M	△		△						B0			Single
4 Pillars	MS200	M	200	△		standard						B0			Single
	GS10	G	10	standard	△		△					M1	M2	B1/B2	Split
	GS25	G	25	△		△			△	△		M1	M2	B1/B2	Split
	GS25H	G	25H	△		△			△	△		M1	M2	B1/B2	Split
	GS30	G	30	△		standard			△	△	△	M1	M2	B1/B2	Split
	GS35	G	35			△				△		M1	M2	B1/B2	Split
	GS35M	G	35M			△				△		M1	M2	B1/B2	Split
	GS50	G	50			standard				△		M1	M2	B1/B2	Split
	GS55	G	55	△		△			△	△	△	M1	M2	B1/B2	Split
	GS80	G	80	△		standard			△	△	△	M1	M2	B1/B2	Split
	MS10M	M	10M	△	△		△					B1	B2		Split
	MS30M	M	30M	△		△			△	△	△	B1	B2		Split
	MS50	M	50	△		△			△	△	△	B1	B2		Split
	MS50M	M	50M	△		△			△	△	△	B1	B2		Split
	MS100	M	100	△		standard			△	△	△	B1	B2		Split
	MS100M	M	100M	△		△			△	△	△	B1	B2		Split
	MS200	M	200	△		standard		△		△		B1	B2		Split
Tabletop	GS2	G	02	standard		△						M0			Split
	GS5	G	05	standard	△		△					M0			Split
	GS5M	G	05M	△	△		△					M0			Split

Multi-Press Related Products

For building a press machine with an original frame...

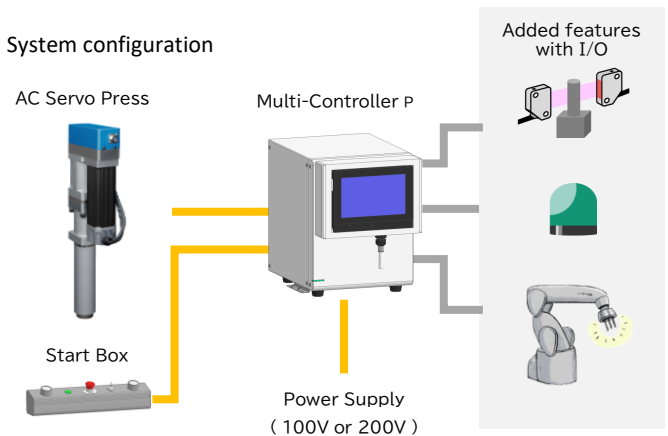
Multi-Controller P



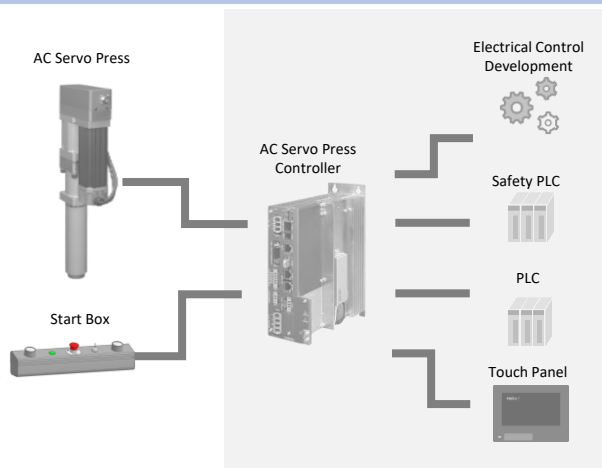
The Multi-Controller P is an independent control unit that incorporates the electrical components used in the Multi-Press.

With its intuitive touchscreen interface, it can be directly connected to your preferred AC Servo Press, allowing you to build a custom servo press system with ease.

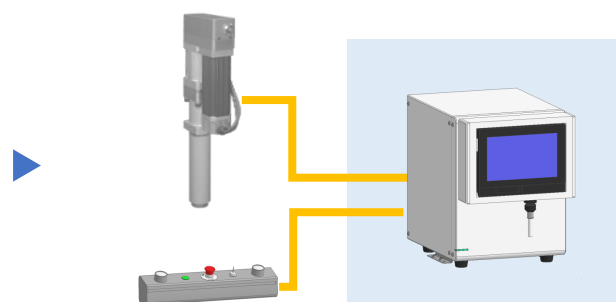
◆ System configuration



If Multi Controller P



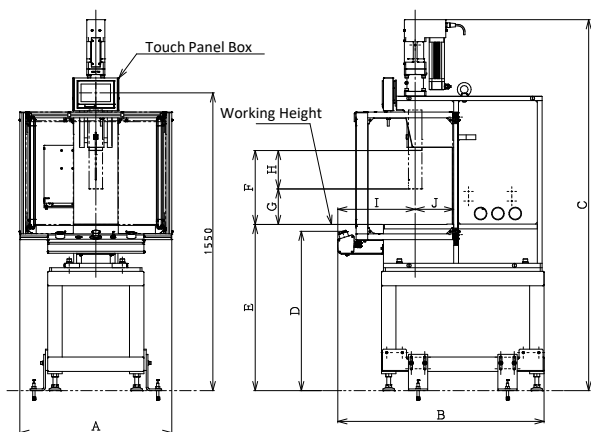
Without Multi Controller P, electrical design and assembly are required.



With Multi Controller P, all essential functions are integrated into a single unit.

Model	PMW0
Power Supply	100V or 200V (depending on the model of servo press to be connected)
Compatible Servo Press	CS series /GS series (Coretec AC servo press)
Number of Registered Motion Patterns	100 patterns
External Interface	Ethernet (Data can be collected using the included application)
Weight	14kg
Operating Environment	[Ambient temperature] 0 °C to 40 °C [Humidity] 85% or less, no condensation [Atmosphere] No corrosive gases or cutting oil

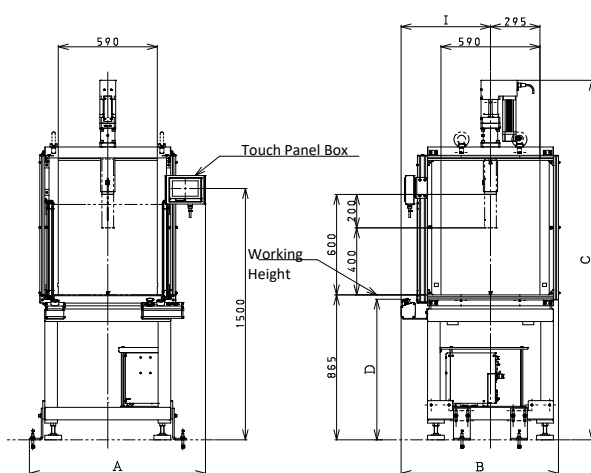
C-Frame



(mm)

	5/10kN	30kN	50kN	80kN	100kN	200kN
A	690	790	840	840	890	Contact us
B	1041	1041	1054	1083	1510	
C	1656	1931	2010	2111	1695	
D	829	829	829	830	830	
E	865	865	865	865	865	
F	275	385	385	385	430	
G	225	185	185	185	230	
H	100	200	200	200	200	
I	402	402	402	426	450	
J	200	200	200	200	270	

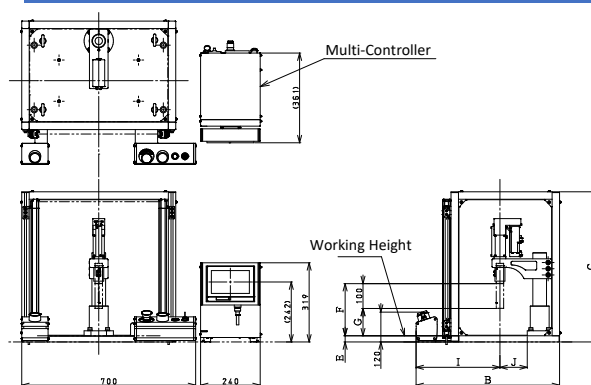
4-pillar Frame



(mm)

	10kN	30kN	50kN	80kN	100kN	200kN
A	Contact us	1049	1049	1049	1155	1155
B		938	938	938	1408	1408
C		2146	2225	2326	2326	2605
D		839	814	814	807	782
I		533	533	533	583	583

Tabletop Frame



(mm)

	2kN	5kN
B	578	661
C	605	790
E	25	30
F	210	275
G	110	175
I	338	353
J	122	148

Download drawings from website

PDF

CAD(2D/3D)

Coretec Multi Press Drawing



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is the brand logo of CORETEC's NB brand.

Access to special product site

Servo Press/Nut Runner/Close up line camera/
3D measurement system

<https://www.coretec.co.jp/premium/>



URL <https://www.coretec.co.jp>

E-mail info@coretec.co.jp

Specifications subject to change without notice.

CTG-0007