Dual Drive Press Brake

BH series

Muratec

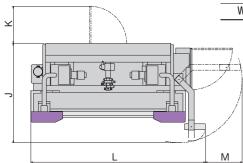
Specifications				BH8525	BH13530	BH18530	BH18540	BH25030	BH25040
-	Press force		kN	833	1323	1813	1813	2450	2450
			ton	85	135	185	185	250	250
-	Bending length		mm	2600	3100	3100	4100	3100	4100
-	Table length		mm	2700	3200	3200	4200	3200	4200
-	Distance between frames		mm	2200	2700	2700	3700	2700	3700
_	C Table width		mm	170	170	170	210	210	210
	Open height		mm	380	380	380	380	380	380
	Table height		mm	900	900	900	900	900	900
	F Machine depth		mm	1375	1460	1585	1610	1710	1710
	G Gap depth	Gap depth		400	400	400	400	400	400
	H Height from floor		mm	2960	3000	2975	3130	3100	3230
				(2859)*	(2899)*				
	I Ram stroke		mm	250	250	250	250	250	250
	J Total depth K Safety door depth		mm	2165	2315	2348	2348	2440	2440
			mm	800	800	765	765	760	760
	L Total width		mm	3000	3500	3730	4730	3820	4820
	M Control panel turn area		mm	1230	1200	1010	1010	990	990
	Ram Speed	Approach	mm/s	2~200	2~200	2~200	2~200	2~200	2~200
		Bending	mm/s	0.1~10	0.1~10	0.1~10	0.1~10	0.1~10	0.1~10
_		Return	mm/s	2~200	2~200	2~200	2~200	2~200	2~200
	Power requirement		kVA	9	12	22	22	27	27
_	Weight		ton	7	8.9	16	20	17.5	22

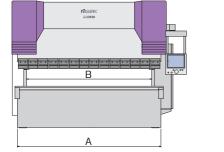
(*: In transport condition)

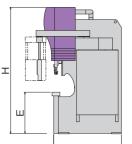
Dual Drive Press Brake

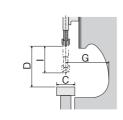


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PT.MURATA MACHINERY INDONESIA

* Machine appearance may differ to that shown in the catalogue pictures * All specifications are subject to change without advance notice

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http://www.meibanengg.com e-mail : office@meibanengg.com



MURATA MACHINERY, LTD.

Newly developed and mounted Dual Drive System realizes improvements in productivity, high stop-accuracy, and energy savings.

Dual Drive Press Brake



Muratec's Dual Drive Press Brake BH Series is mounted with a Dual Drive System which separately controls high-speed up and down movement of the ram by AC servo motor, ball screw drive and hydraulic piston down movement. The system enables high-speed drive and stable repeat-stop accuracy to realize high productivity.

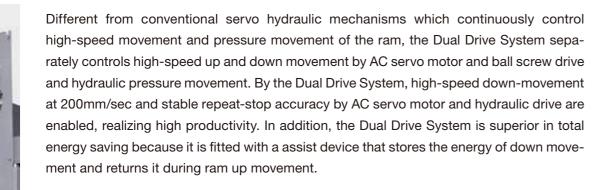


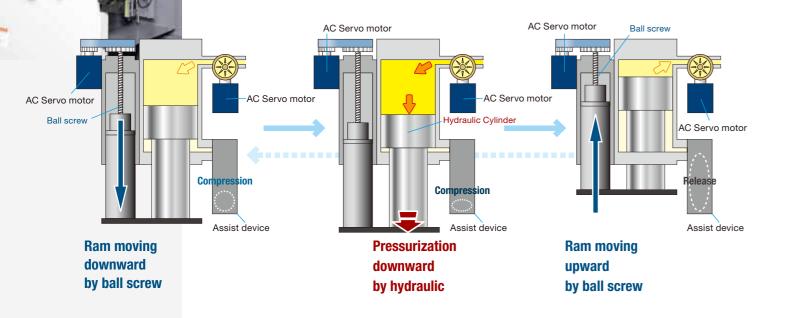


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Dual Drive System



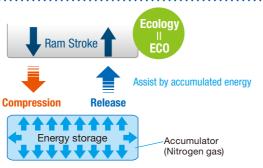


High stop-accuracy by linear scale

In Dual Drive control, although the drive is changed to hybrid control from ball screw control in mid stroke, the position is monitored by the linear scale for full stroke. As a result, stable stop-accuracy can be secured without being affected by oil temperature or pressure. Linear scale

Assistance by the accumulator cancels the weight of the ram, enables high speed rise of the ram with a small-sized motor and ball screws and allows for silent movement and energy saving effects.

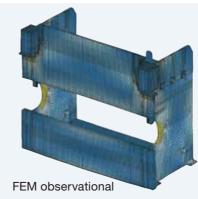
Assistance by accumulator



Compact hydraulic tank

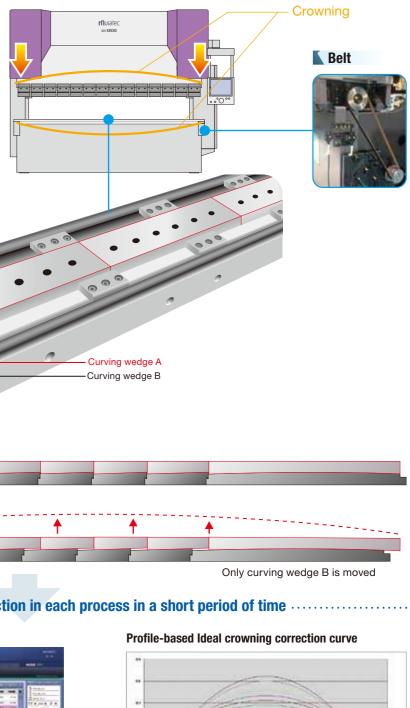


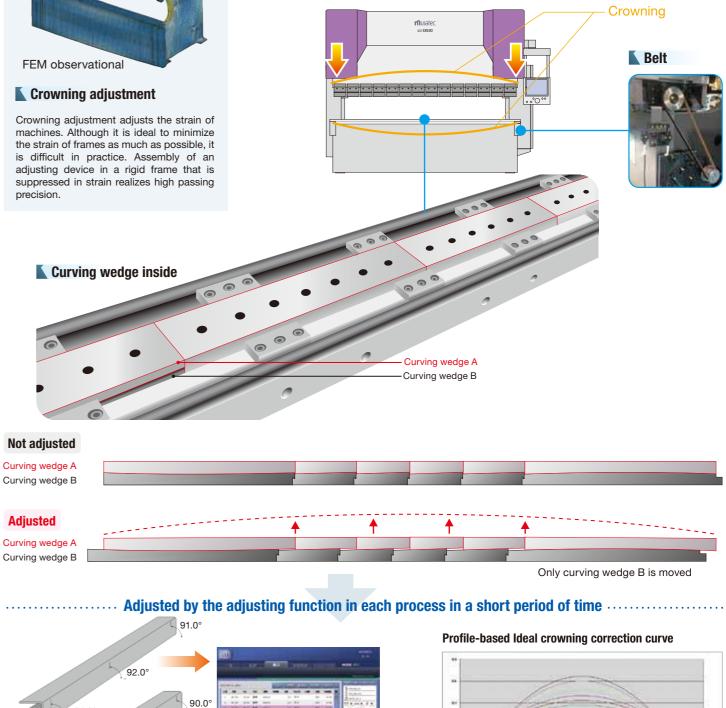
Rigid frame/ Crowning System



the strain of frames as much as possible, it suppressed in strain realizes high passing

The Ideal Curve Crowning System is created by conducting FEM analysis of the frame in pursuit of the ideal correction curve with respect to crowning which becomes a problem for the press brakes. Simple and fine adjustment is enabled with use of a monoaxial curving wedge. Automatic crowning adjustment is made quickly for each bending step without stress.





90.0°



Dual Drive Press Brake

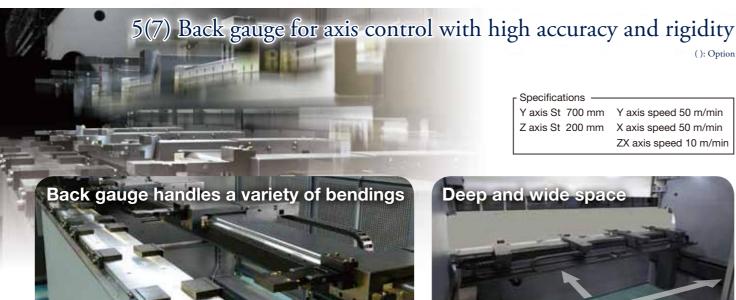


Crowning in various conditions is adjusted

S-College



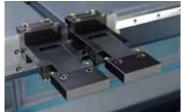
Back gauge



The high-speed and high accuracy back gauge with an effective stroke of 700mm (standard specification) responds to a variety of bendings. Number of fingers: 2 (Option 4)

Back Gauge Finger

Standard Finger







Option

Step Finger

Magnetic Finger Option

Tool clamp

Manual type

Holder for manually clamping European-style tooling



One touch type Option



WILA type Option

Compatible with the worldwide tool manufacturer WILA. Significant reduction in tool replacement time is enabled with the hydraulic clamp and safety click.





and European type.





a wide variety of workpieces.

Handling a wide variety of work pieces

Back gauge Fingers



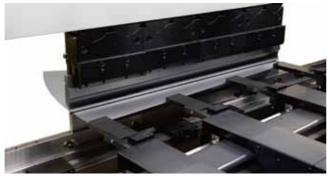
Materials can be placed on the upper surface of the Finger support part, therefore, stable processing is enabled without material crowning in the case where a deep material is bent.

Tapered bending (Conical bending)

The back gauge main body is placed on the side frame

Option

to secure a deep and wide space. This enables handling



The back gauge can be tilted obliquely, it is thereby possible to easily perform obliquely abutting, etc. Depending on the shape, conical bending processing, etc., is enabled.

Deep bending process (Box bending processing)



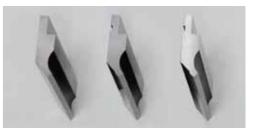
The height of the intermediate plate of the tool clamp is 150mm to allow for freely moving in the right and left directions, therefore, deep bending (box bending) processing which is common for distribution boards is enabled.

Dual Drive Press Brake



The one touch clamp can be opened and closed with the clamp lever and tools can be easily attached and detached.





The one touch clamp can clamp any type of European tooling.

Universal type Option

Compatible with both the American type





American type



European type

* Also available as an option are tool holders for clamping various dies.

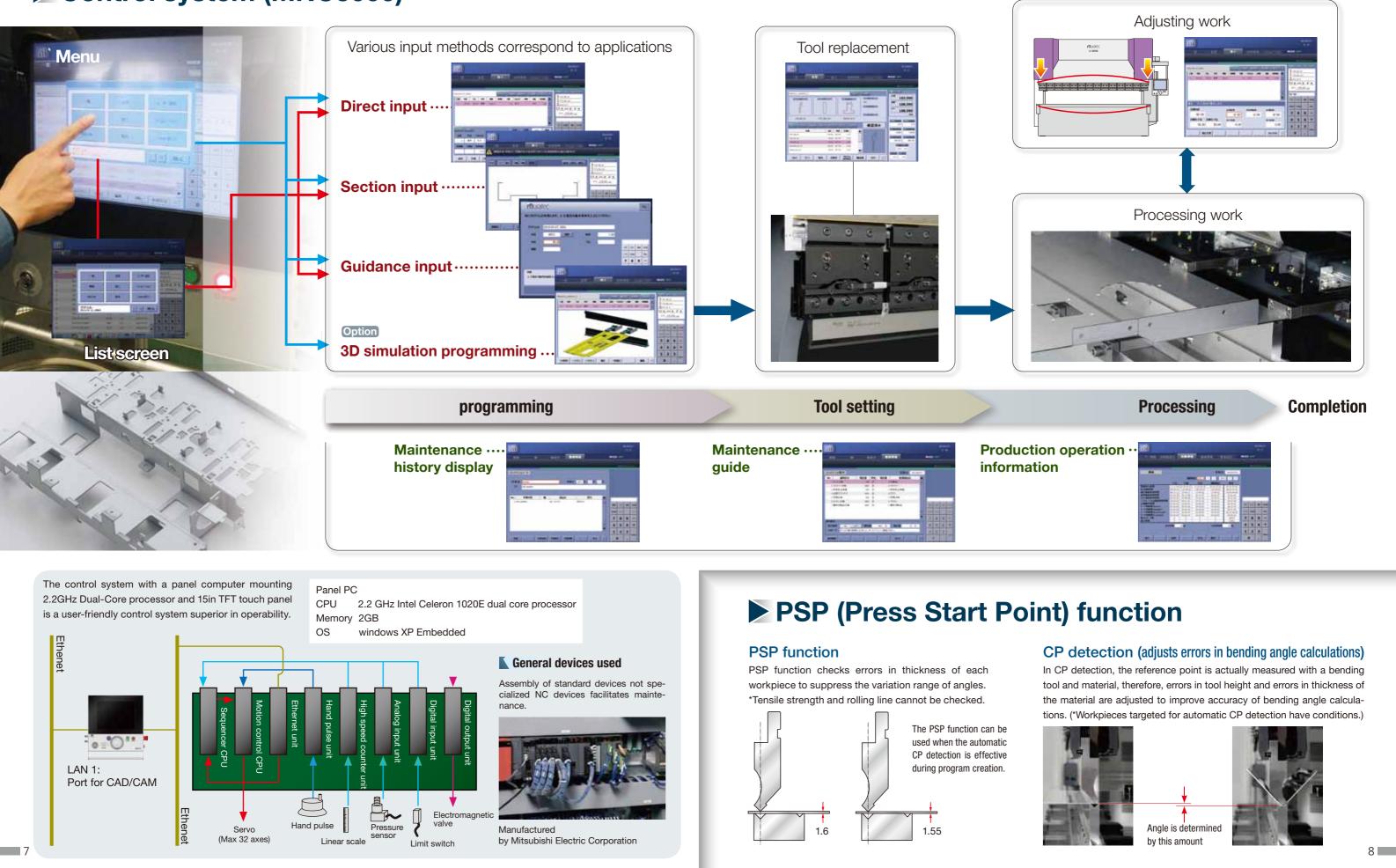
Hollow bending processing



The intermediate plate of the tool clamp can be freely removed, therefore, bending processing which interferes with the deep U-shaped ram is enabled depending on the size.



Control system (MNC5000)



Dual Drive Press Brake

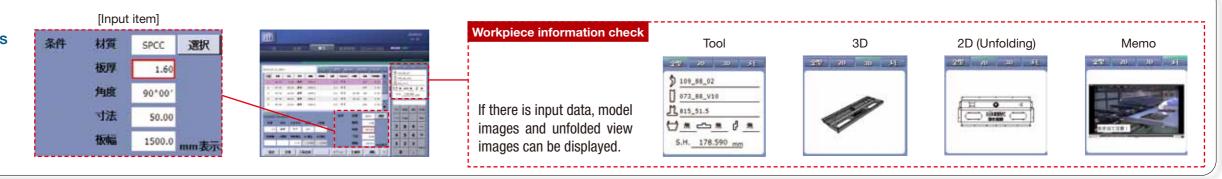




Programming

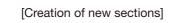


Only input the required conditions makes creating programs easy.



Section input

Enables easy programming by drawing section shapes. In addition, tool interference is checked and a bending method suitable for an operator can be selected from bending search results.





[Select tool]



bending order for another tool.

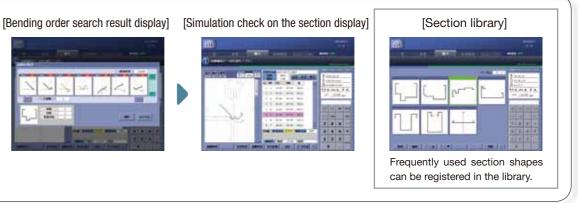
attached tool is searched and when the tool has interference, search a

[Bending order automatic search]



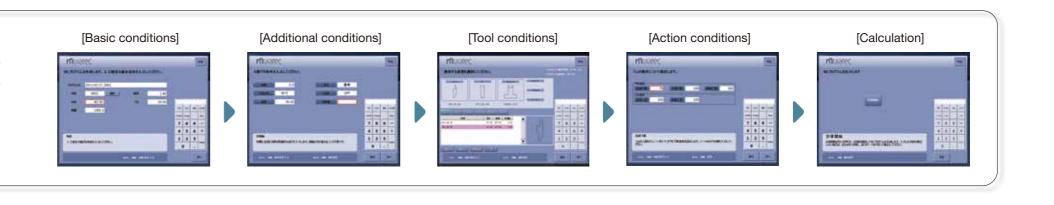
Search up to 1000 bending orders.



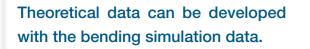


Guidance input

Program creation navigation mode enables easy programming even by those who are not accustomed to direct input.



3D simulation programming Option











[Maintenance guide]

Maintenance

Maintenance history and maintenance guide

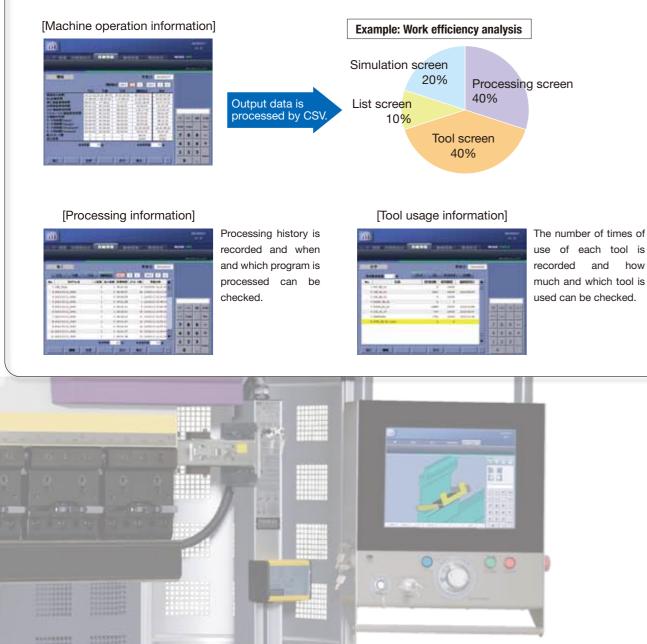
MNC5000 allows maintenance history and maintenance guide to be displayed and used as a chart of the machine. In addition, if the period of use of consumables including batteries is set, notice is displayed on the screen.



Operation information

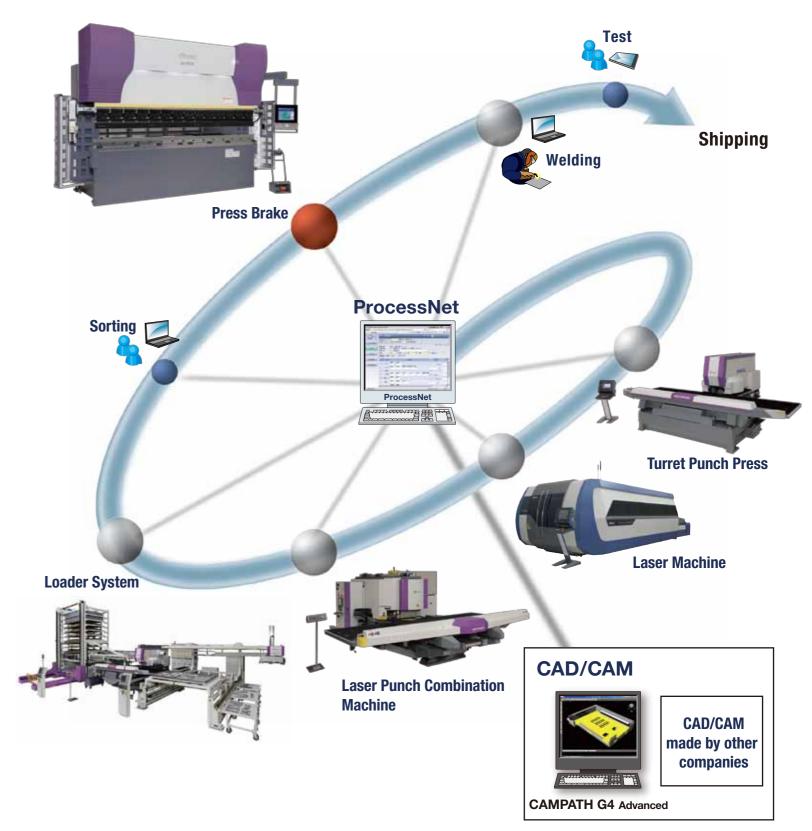
11

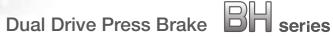
Performance information including machine operation information, tool usage information, and processing information can be output and effectively used for work analysis.



Network

As a general manufacturer of sheet-metal machinery, Muratec always listens to the voices of its customers from job shops to manufacturers including single machine users, automated transportation system users and large-scale FMS users irrespective of scale and type of business, builds optimal solutions for its customers, and delivers them.









Safety pin

Safety system

LED Option



High energy-saving LED is adopted. Illuminates your hands and inside of the machine to comfortably supports operators.





Insertion of a safety pin makes maintenance work safer.

Interlocked side guard Option

Movable parts from the side of the machine are guarded to prevent unexpected hazards and ensure safe work. When the side guard is opened, the machine is inoperable until the interlock is released.

Interlocked rear safety fence Option



Intrusion to movable parts from the rear part of the machine is guarded to prevent unexpected hazards and ensure safe work. When the rear safety fence is opened, the machine is inoperable until the interlock is released.

Safety laser light system Option



DSP-J

This is a safety device for practicable press brake which allows the machine to operate as long as the speed is 10mm/sec even when a laser beam is shielded to ensure safety of operators.

Special mode for tool replacement

This is a special mode for tool replacement, the speed and pressure of which are controlled in order to avoid hazards during tool replacement.



All devises are compatible with 'Safety category level 4'



Safety related portions including the control system and the protection equipment are designed, configured, selected, and assembled in accordance with appropriate standards so as to withstand expected external influences.

The safety category 4 is the highest rank of safety categories specified by the safety control system of international safety standards.

Conforms to JIS B 6410 Servo Press safety requirements.

*Satisfies power press mechanical structure standards revised in 2011.

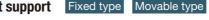
Option

Movable foot switch



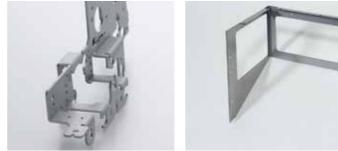
The movable foot switch demonstrates its advantages for step-bending of small articles, and supports operators in a user-friendly manner with excellent operability.

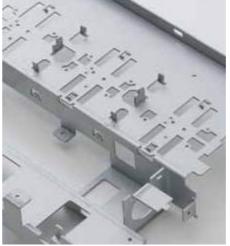
Front support Fixed type Movable type

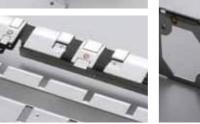


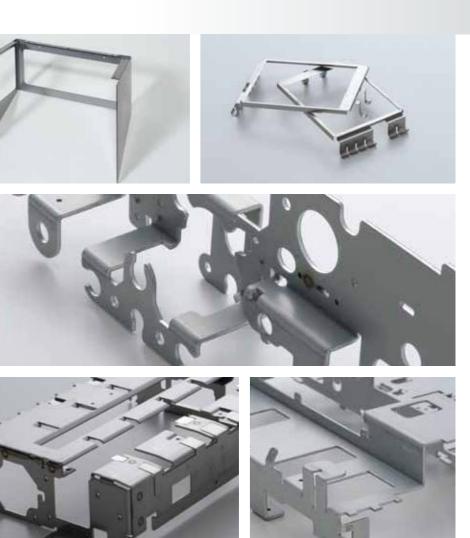
Short intermediate plate

Sample









Dual Drive Press Brake



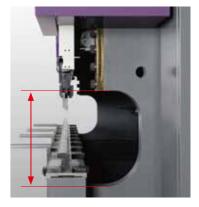
Hydraulic follow-up device



Useful for bending large-sized and heavy workpieces and considerably reduces burden on operators.

The weight capacity is 150 kg. Two suction types, a magnet type and a vacuum type, are available.

Open height 100mm UP



The open height (100 mm wider than standard) specification is set optionally.

This improves work handling performance for the deep bending process which is frequently used for processing control panels.