

## SBM-series

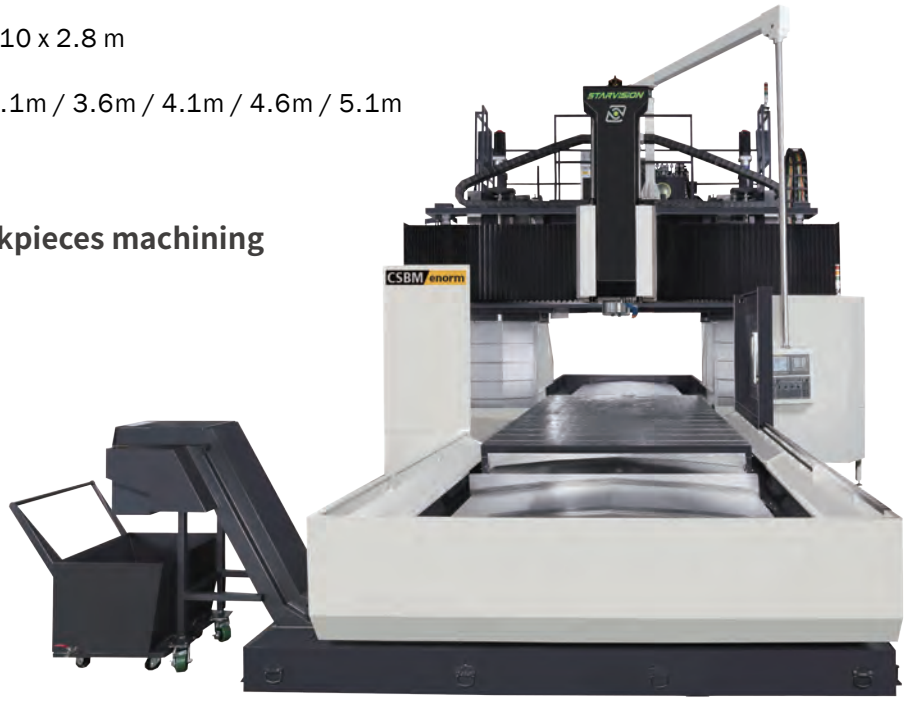


4 x 2 m - 10 x 2.8 m



2.6m / 3.1m / 3.6m / 4.1m / 4.6m / 5.1m

From over-height  
to super-thin workpieces machining



AC MC MH

Model	Unit	CSBM -4228/ 33/38	CSBM -5228/ 33/38/43/48/53	CSBM -6028 CSBM -6233 38/43/48/53	CSBM -8233/ 38/43/48/53	CSBM -10233/ 38/43/48/53
Travel						
X axis	mm	4,200	5,200	6,000 / 6,200	8,200	10,200
Y axis	mm	2,800 / 3,300 / 3,800 / 4,300 / 4,800 / 5,300				
Z axis	mm	1,000 (1,200 / 1,500 - opt.)				
W axis	mm	1,000 (1,250 / 1,500 / 2,000 / 2,500 / 3,000 - opt.)				
Spindle nose to table	mm	150 - 1,150 (1,400 / 1,650 / 2,150 / 2,650 / 3,150 - opt.)				
Distance between sliders	mm	2,600 / 3,100 / 3,600 / 4,100 / 4,600 / 5,100				
Distance between columns	mm	2,550 / 3,050 / 3,550 / 4,050 / 4,550 / 5,050				
Table						
Table dimensions (L)	mm	4,000	5,000	6,000	8,000	10,000
Table dimensions (W)	mm	2,000 / 2,400 / 2,800 (3,500 - opt.)				
T-slot (width x number x pitch)	-	28 x 11 x 180 / 28 x 13 x 180 / 28 x 13 x 200 (28 x 17 x 200 - opt.)				
Max. table load	tons	13 / 20	15 / 24	17 / 28	21 / 32	25 / 40
Spindle						
Spindle motor (cont./30 minute rated)	kW	22 / 26 (30 / 37 - opt.)				
Spindle speed	rpm	6,000 (8,000 - opt.) / 4,200 (5,500 - opt.)				
Spindle taper	-	BT-50 / ISO-50 / CAT-50				
Feed						
Rapid feed-rate (X/Y/Z/W)	m/min	10 / 10 / 12 / 2			8 / 10 / 12 / 2	
Cutting feed-rate	mm/min	7,000			6,000	
Accuracy						
Positioning accuracy	mm	±0.005 / 300 ; ±0.015 / Full travel				
	mm	P0.035 / P0.045	P0.045			
Repeatability	mm	±0.003				
	mm	Ps0.028	Ps0.03			
Other						
Tool storage capacity	pcs	32 (40/60/90 - opt.)				
Power consumption	kVA	65				
Compressed air	kg/cm²	6.5				

## CM-series

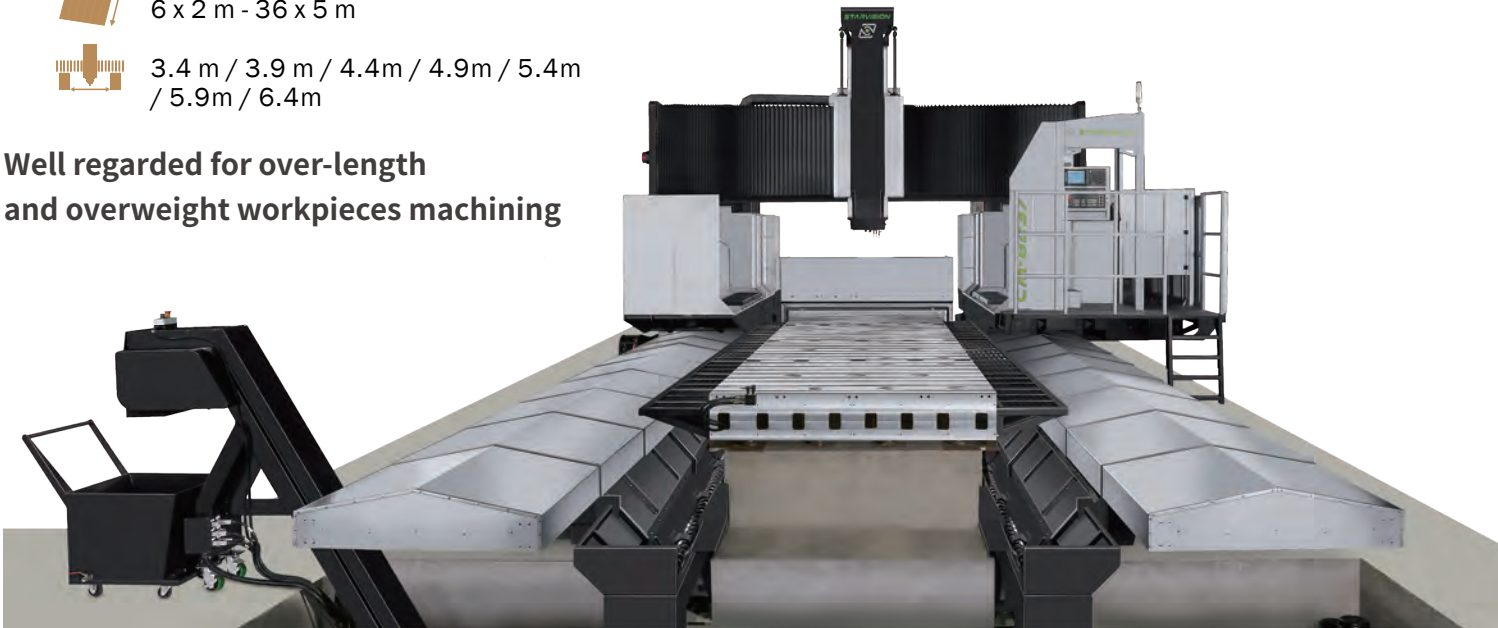


6 x 2 m - 36 x 5 m



3.4 m / 3.9 m / 4.4m / 4.9m / 5.4m  
/ 5.9m / 6.4m

Well regarded for over-length  
and overweight workpieces machining



AC MC MH

Model	Unit	CM-XX37	CM-XX42	CM-XX47	CM-XX52	CM-XX57	CM-XX62	CM-XX67
Travel								
X axis	mm	6,200 - 36,200						
Y axis	mm	3,700	4,200	4,700	5,200	5,700	6,200	6,700
Z axis	mm	1,000 (1,200 / 1,500 - opt.)						
Spindle nose to table	mm	950-1,950 (950-2,150 / 950-2,450 - opt.)						
Distance between sliders (max. workpiece width)	mm	3,100 (3,000)	3,600 (3,500)	4,100 (4,000)	4,600 (4,500)	5,100 (5,000)	5,600 (5,500)	6,100 (6,000)
Distance between columns (max. workpiece width)	mm	3,400 (3,300)	3,900 (3,800)	4,400 (4,300)	4,900 (4,800)	5,400 (5,300)	5,900 (5,800)	6,400 (6,300)
Table								
Table dimensions (L)	mm	6,000 - 36,000						
Table dimensions (W)	mm	2,000	2,500	3,000	3,500	4,000	4,500	5,000
T-slot (width x number x pitch)	-	28 x 200						
Max. table load	kg/m²	5,000 <sup>(1)</sup>						
Spindle								
Spindle motor (cont./30 minute rated)	kW	22 / 26 (30 / 37 - opt.)						
Spindle speed	rpm	6,000 / (5,500 Z-axis 1,500mm - opt.)						
Spindle taper	-	BT-50 / ISO-50 / CAT-50						
Feed								
Rapid feed-rate (X/Y/Z)	m/min	10 / 10 / 12			10 / 8 / 12			
Repeatability	mm/min	7,000						
Other								
Tool storage capacity	pcs	(40/60/90 - opt.)						
Power consumption	kVA	80						
Compressed air	kg/cm²	6.5						
Machine weight (approx.)	tons	105	110	115	120	125	130	135
Machine floor space (LxWxH)(approx.)	m	L <sup>(2)</sup> x11.5x6	L <sup>(2)</sup> x12x6	L <sup>(2)</sup> x12.5x6	L <sup>(2)</sup> x13.0x6	L <sup>(2)</sup> x13.5x6	L <sup>(2)</sup> x14x6	L <sup>(2)</sup> x14.5x6

(1) The table can be customized according to customers' needs for Over-Length and Overweight workpieces.

(2) The footprint will be different according to the X axis travel.

## CNC Double Column Machining Center



### Independently developed Milling Heads

AC Automatic

Automatic head changing/ tool changing  
/ 5° indexing / 2.5° indexing



**AC5**  
Automatic 90 Degree  
Milling Head



**AC300**  
Automatic Extension  
Milling Head



**AC2**  
Automatic 2-axis  
Milling Head

MC Semi-automatic

Manual head clamping/ tool clamping  
Automatic 5° indexing / 2.5° indexing

MH Manual

Manul head clamping/ tool changing / indexing

### Industrial Application



Electricity



Automotive



Machining



Aerospace



Electricity



Mold

STARVISION MACHINERY CO., LTD

NO. 59, LN. 607, WUGUANG RD., WURI DIST., TAICHUNG, TAIWAN 414

TEL: +886-4-2338 3342

TAX: +886-4-2338 3390

info@starvision-tech.com

www.starvision-tech.com



## BCM-series



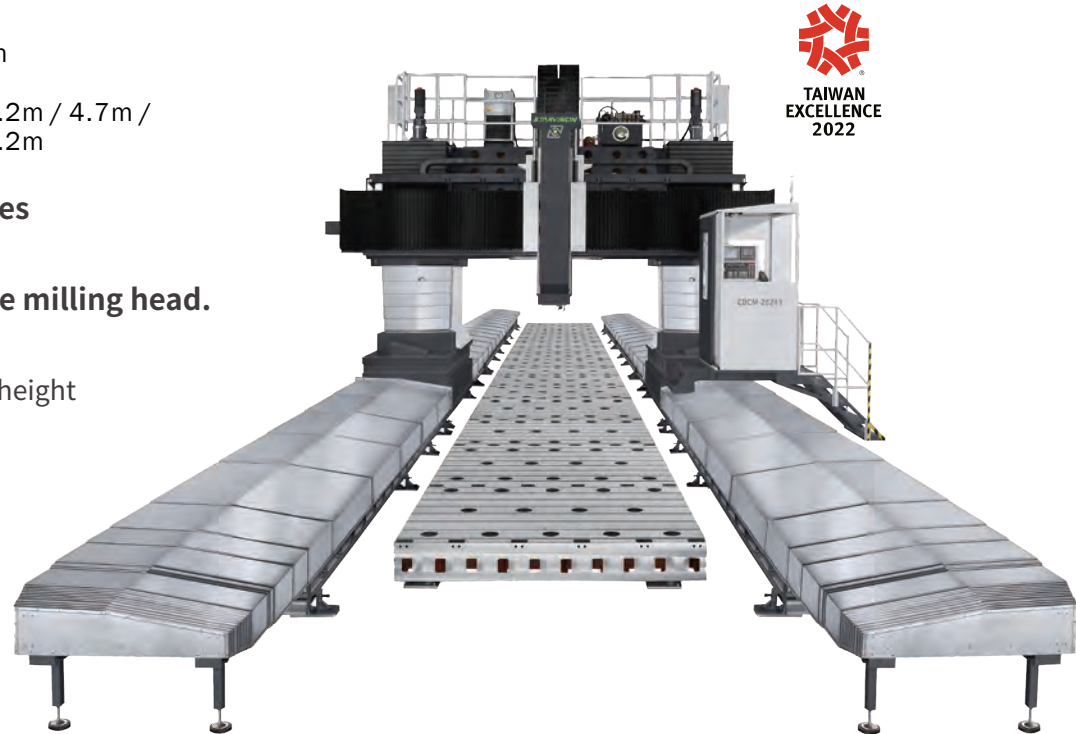
6 x 2 m - 36 x 5 m



3.2m / 3.7m / 4.2m / 4.7m /  
5.2m / 5.7m / 6.2m

Boxway type W and Z axes  
move simultaneously  
and process with a 5-face milling head.

For extra heavy, long , over-height  
and super-thin workpieces



AC MC MH

Model	Unit	CBCM-XX38	CBCM-XX43	CBCM-XX48	CBCM-XX53	CBCM-XX58	CBCM-XX63	CBCM-XX68
Travel								
X axis	mm	6,200 - 36,200 <sup>(1)</sup>						
Y axis	mm	3,800	4,300	4,800	5,300	5,800	6,300	6,800 <sup>(2)</sup>
Z axis	mm	1,000 (1,200 / 1,500 - opt.)						
W axis	mm	1,000 (1,250 / 1,500 - opt.)						
Spindle nose to table	mm	500-2,500 ( 2,750 / 3,000 - opt.)						
Distance between sliders (max. workpiece width)	mm	2,700 (2,600)	3,200 (3,100)	3,700 (3,600)	4,200 (4,100)	4,700 (4,600)	5,200 (5,100)	5,700 (5,600)
Distance between columns (max. workpiece width)	mm	3,200 (3,000)	3,700 (3,500)	4,200 (4,000)	4,700 (4,500)	5,200 (5,000)	5,700 (5,500)	6,200 (6,000)
Table								
Table dimensions (L)	mm	6,000 - 36,000						
Table dimensions (W)	mm	2,000	2,500	3,000	3,500	4,000	4,500	5,000
T-slot (width x number x pitch)	-	28 x 250						
Max. table load	kg/m <sup>2</sup>	5,000						
Spindle								
Spindle motor(cont./30 minute rated)	kW	22/26 (30/37 - opt.)						
Spindle speed	rpm	6,000 (8,000 - opt.)	4,200 (5,500 - opt.) <sup>(3)</sup>					
Spindle taper	-	BT-50 / ISO-50 / CAT-50						
Feed								
Rapid feed-rate (X/Y/Z/W)	m/min	12 / 12 / 12 / 2						
Repeatability	mm/min	7,000						
Other								
Tool storage capacity	pcs	40 (60/90 - opt.)						
Power consumption	kVA	80						
Compressed air	kg/cm <sup>2</sup>	6.5						
Machine floor space (LxWxH)(approx.)	m	L <sup>(2)</sup> x11.5x6	L <sup>(2)</sup> x12x6	L <sup>(2)</sup> x12.5x6	L <sup>(2)</sup> x13x6	L <sup>(2)</sup> x13.5x6	L <sup>(2)</sup> x14x6	L <sup>(2)</sup> x14.5x6

(1) Each interval of X axis stroke - 2,000mm


(2) Each interval of Y axis stroke - 500mm


(3) High-speed spindle available

※ The photos in the catalog include options needing extra charge. All specifications are subject to change without prior notice.

FS-series

Boxway


 2 x 1.4 m - 4 x 1.7 m


 1.7 m / 2.1 m



PC-series

Boxway


 3 x 2 m - 6 x 2 m


 2.5 m / 2.8 m



DX-series

Linear way


 2 x 1.4 m - 4 x 1.7 m


 1.7 m / 2.1 m



LG-series

Linear way


 3 x 2 m - 6 x 2 m


 2.5 m



FG-series

Linear way


 3 x 2.4 m - 10 x 2.4 m


 2.8 m



LS-series

Linear way

 4 x 2.8 m - 10 x 2.8 (3.5-opt.)m


 3.2 m / 3.7 m / 4.2 mm / 4.7 mm




V-series

5-axis

Specialized in Aerospace Industry.  
Features high speed and high accuracy,  
perfectly meets the demand for aluminum machining.

 2 x 1.4 m - 10 x 2.8 m (3.5m-opt.)

 1.6 m / 2.1m / 2.5m / 2.8 m / 3.2m / 3.7m



Model	Unit	FS-2216 / 20	FS-2716 / 20	FS-3216 / 20	FS-4216 / 20	PC-3223 / 26	PC-4223 / 26	PC-5223 / 26	PC-6023 / 26	DX-2216 / 20	DX-2716 / 20	DX-3216 / 20	DX-4216 / 20	Model	Unit	LG-3223	LG-4223	LG-5223	LG-6223	FG-3226	FG-4226	FG-5226	FG-6226	LS-4230 / 35/40/45	LS-5230 / 35/40/45	LS-6230 / 35/40/45	LS-8230 / 35/40/45	LS-10230 / 35/40/45	V-2222 / 28	V-3222 / 28	V-4222 / 28	V-5231 / 34	V-6231 / 34	V-4238 / 43	V-5238 / 43	V-6238 / 43					
Travel														Travel																											
X axis	mm	2,200	2,700	3,200	4,200	3,200	4,200	5,200	6,000	2,200	2,700	3,200	4,200	X axis	mm	3,200	4,200	5,200	6,200	3,200	4,200	5,200	6,200	4,200	5,200	6,200	8,200	10,200	2,200	3,200	4,200	3,200	4,200	5,200	6,200	4,200	5,200	6,200			
Y axis	mm	1,600 / 2,000				2,300 / 2,600				1,600 / 2,000				Y axis	mm	2,300				2,600				3,000 / 3,500 / 4,000 / 4,500				2,200 / 2,800				3,100 / 3,400				3,800 / 4,300					
Z axis	mm	800 (1,000 - opt.)				1,000 (1,200 - opt.)				800 (1,000 - opt.)				Z axis	mm	1,000 (1,200 - opt.)				1,000 (1,200 - opt.)				1,000 (1,200 / 1,500 - opt.)				800 (1,000 - opt.)				1,000 (1,200 - opt.)									
Spindle nose to table	mm	150 - 950 (150 - 1,150 - opt.)				150 - 1,150 (150-1,350 - opt.)				150 - 950 (150 - 1,150 - opt.)				Spindle nose to table	mm	150 - 1,150 (150-1,350 - opt.)				150 - 1,150 (150-1,350 - opt.)				150 - 1,150 (150 - 1,350 / 150 - 1,650 - opt.)				-10 - 790 (-10 - 990 - opt.)				110 - 1,110 (110 - 1,310 - opt.)				140 -1,140 (140-1,340 - opt.)					
Distance between columns	mm	1,700 (1,650) / 2,100 (2,050)				2,500 (2,450) / 2,800 (2,750)				1,700 (1,650) / 2,100 (2,050)				Distance between columns	mm	2,500 (2,450)				2,800 (2,750)				3,200 (3,150) / 3,700 (3,650) / 4,200 (4,150) / 4,700 (4,650)				1,600 (1,550) / 2,100 (2,050)				2,500 (2,450) / 2,800 (2,750)				3,200 (3,150) / 3,700 (3,650)					
Table														Table																											
Table dimensions (L)	mm	2,000	2,500	3,000	4,000	3,000	4,000	5,000	6,000	2,000	2,500	3,000	4,000	Table dimensions (L)	mm	3,000	4,000	5,000	6,000	3,000	4,000	5,000	6,000	4,000	5,000	6,000	8,000	10,000	2,000	3,000	4,000	3,000	4,000	5,000	6,000	4,000	5,000	6,000			
Table dimensions (W)	mm	1,400 / 1,700				2,000				1,400 / 1,700				Table dimensions (W)	mm	2,000				2,400				2,800 (3,500 - opt.)				1,400 / 1,700				2,000 / 2,400				2,800 (3,500 - opt.)					
T-slot (width x number x pitch)	-	22 x 7 x 180 / 22 x 9 x 180				28 x 11 x 180				22 x 7 x 180 / 22 x 9 x 180				T-slot (width x number x pitch)	-	28 x 11 x 180				28 x 13 x 180				28 x 13 x 200 (28 x 17 x 200 - opt.)				22 x 7 x 180 / 22 x 9 x 180				28 x 11 x 180 / 28 x 13 x 180				28 x 13 x 200 (28 x 17 x 200 - opt.)					
Max. table load	kg	8,000	9,000	10,000	12,000	11,000	13,000	15,000	17,000	8,000	9,000	10,000	12,000	Max. table load	kg	13,000	15,000	17,000	19,000	13,000	15,000	17,000	19,000	20,000	24,000	28,000	32,000	40,000	3,000	5,000	5,000	11,000	13,000	15,000	17,000	20,000	24,000	28,000			
Spindle														Spindle																											
Spindle motor (cont./30 minute rated)	kW	18.5 / 22 (22 / 26 - opt.)				18.5 / 22 (22 / 26 opt.)				18.5 / 22 (22 / 26 - opt.)				Spindle motor (cont./30 minute rated)	kW	18.5 / 22 (22 / 26 - opt.)				18.5 / 22 (22 / 26 - opt.)				22 / 26 (30 / 37 - opt.)				45/45				54/54									
Spindle speed	rpm	6,000 (8,000 - opt.)				6,000 (8,000 opt.)				6,000 (8,000 - opt.)				Spindle speed	rpm	6,000 (8,000 - opt.)				6,000 (8,000 - opt.)				6,000 (8,000 - opt.) / (5,500 Z-axis 1,500mm - opt.)				20,000 (12,500 A100 - opt.)				12,500 (20,000 A63 - opt.)									
Spindle taper	-	BT-50 / ISO-50 / CAT-50				BT-50 / ISO-50 / CAT-50				BT-50 / ISO-50 / CAT-50				Spindle taper	-	BT-50 / ISO-50 / CAT-50				BT-50 / ISO-50 / CAT-50				BT-50 / ISO-50 / CAT-50				HSK-A63				HSK-A100									
Feed														Feed																											
Rapid feed-rate (X/Y/Z)	m/min	12 / 12 / 15				10 / 12 / 15	12 / 12 / 12	10 / 12 / 12		8 / 12 / 12	24 / 24 / 15 (24 / 20 / 15)				18 / 24 / 15 (18 / 20 / 15)	Rapid feed-rate (X/Y/Z)	m/min	20 / 20 / 15	18 / 20 / 15	12 / 20 / 15	10 / 20 / 15	15 / 15 / 12	12 / 15 / 12		8 / 15 / 12	10 / 10 / 12		8 / 10 / 12		24 / 24 / 15 (24 / 20 / 15)		18 / 24 / 15 (18 / 20 / 15)		20 / 20 / 15 (20 / 15 / 15)	18 / 20 / 15 (18 / 15 / 15)	12 / 20 / 15 (12 / 15 / 15)	20 / 20 / 15				
Cutting feed-rate	mm/min	7,000				7,000				7,000				Cutting feed-rate	mm/min	7,000				7,000				7,000				7,000 / 6,000		15,000		10,000									
Accuracy														Accuracy																											
Positioning accuracy	mm	±0.005 / 300 ; ±0.015 / full travel				±0.005 / 300 ; ±0.015 / full travel				±0.005 / 300 ; ±0.015 / full travel				Positioning accuracy	mm	±0.005 / 300 ; ±0.015 / full travel				±0.005 / 300 ; ±0.015 / full travel				±0.005 / 300 ; ±0.015 / full travel				±0.005 / 300 ; ±0.015 / full travel													
	mm	P0.03				P0.035				P0.035					mm	P0.035				P0.045				P0.045				P0.025				P0.03		P0.03		P0.04		P0.045			
Repeatability	mm	± 0.003				± 0.003				± 0.003				Repeatability	mm	± 0.003				± 0.003				± 0.003				±0.003													
	mm	Ps0.025				Ps0.028				Ps0.025					mm	Ps0.028				Ps0.03				Ps0.028				Ps0.03				Ps0.02		Ps0.023		Ps0.023		Ps0.025		Ps0.03	
Other														Other																											
Tool storage capacity	pcs	32 (40/60/90 - opt.)				32 (40/60/90 - opt.)				32 (40/60/90 - opt.)				Tool storage capacity	pcs	32 (40/60/90 - opt.)				32 (40/60/90 - opt.)				32 (40/60/90 - opt.)																	
Power consumption	kVA	65				65				65				Power consumption	kVA	65				65				65				100				130									
Compressed air	kg/cm²	6.5				6.5				6.5				Compressed air	kg/cm²	6.5				6.5				6.5																	
Machine weight (approx.)	tons	20 / 22	22 / 24	24 / 26	28 / 30	35 / 37	39 / 41	45 / 47	50 / 52	19 / 21	21 / 23	23 / 25	27 / 29	Machine weight (approx.)	tons	34	38	44	50	38	42	48	53	55 / 57 / 66 / 69	63 / 65 / 74 / 77	71 / 73 / 82 / 85	87 / 89 / 98 / 101	101 / 103 / 112 / 115	21 / 23	25 / 27	29 / 31	42 / 46	46 / 50	52 / 56	57 / 61	58 / 58	63 / 66	71 / 84			
Machine floor space (LxWxH)(approx.)	m	8.4x5.1(5.5)x4.7	9.4x5.1(5.5)x4.7	10.4x5.1(5.5)x4.7	12.4x5.1(5.5)x4.7	10.4x6.5(6.8)x5.4	13.0x6.5(6.8)x5.4	14.8x6.5(6.8)x5.4	16.7x6.5(6.8)x5.4	8.4x5.1(5.5)x4.7	9.4x5.1(5.5)x4.7	10.4x5.1(5.5)x4.7	12.4x5.1(5.5)x4.7	Machine floor space (LxWxH)(approx.)	m	10.4x6.5x5.4	13.0x6.5x5.4	14.8x6.5x5.4	17.3x6.5x5.4	10.4x6.8x5.4	13.0x6.8x5.4	14.8x6.8x5.4	17.3x6.8x5.4	13.8x7.3(*)x5.4	15.8x7.3(*)x5.4	17.3x7.3(*)x5.4	21.7x7.3(*)x5.4	26.1x7.3(*)x5.4	8.4x6.1(6.5)x7.8	10.4x6.1(6.5)x7.8	12.4x6.1(6.5)x7.8	10.4x8.1(8.4)x7.8	13.4x8.1(8.4)x7.8	14.8x8.1(8.4)x7.8	17.3x8.1(8.4)x7.8	13.2x8.8(9.4)x7.8	15.2x8.8(9.4)x7.8	17.2x8.8(9.4)x7.8			