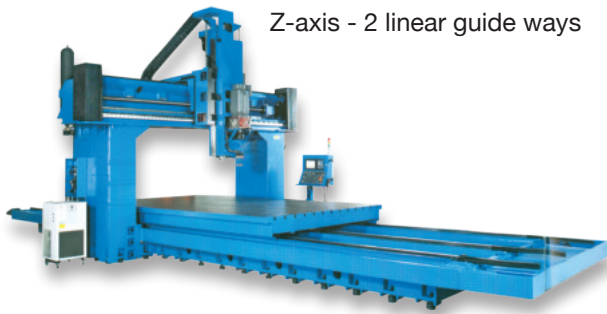


CNC Double Column Machining Center

SDV Series



SDV-3224

MACHINE SPECIFICATION

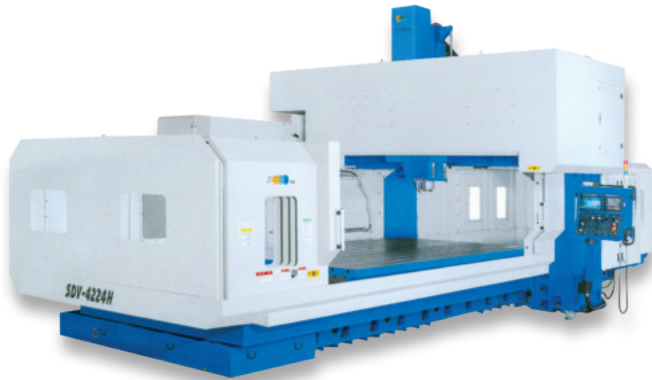
MODEL SDV SERIES	UNIT	SDV-1611	SDV-2011	SDV-2215	SDV-3215	SDV-2219	SDV-3219	SDV-3224	SDV-3229	SDV-4219	
X-Axis travel	mm	1,600	2,040	2,200	3,200	2,200	3,200	3,200	3,200	4,200	
Y-Axis travel	mm	1,100	1,100	1,500	1,500	1,900	1,900	2,400	2,900	1,900	
Z-Axis travel	mm	760 (1,000)									
Table size	mm	1,600x1,000	2,000x1,000	2,000x1,400	3,000x1,400	2,000x1,700	3,000x1,700	3,000x2,200	3,000x2,700	4,000x1,700	
T-slots dimension	mm	22 (24, 28)									
Table load capacity	kgs	3,000	3,500	5,000	7,000	5,000	8,000	10,000	12,500	12,000	
Distance between two columns	mm	1,200		1,600		2,000	2,000	2,500	3,000	2,000	
Distance from spindle nose to table	mm	250-1,010 (250-1,250) 355-1,115 (355-1,355) 250-1,010 (250-1,250) 145-905 (145-1,145)									
Spindle taper, tool shank		ISO NO.50 (40) BT-50, CAT-50, DIN 69871 (BT-40, CAT-40)									
Spindle speed range	r.p.m.	20-4,000 (30-6,000) (100-10,000) (80-8,000)									
Main motor output (30 min rating / cont)	HP	25/20 (30/25)			25/20 (30/25) (35/30)						
Rapid traverse rate X, Y Axis	mm/min	15,000 (20,000)			12,000 (15,000)			10,000 (12,000)			
Rapid traverse rate Z Axis	mm/min	12,000 (15,000)									
Cutting feed rate	mm/min	1-5,000 (1-8,000)									
Minimum input increment	mm/min	0.001									
Tool magazine capacity	pcs	(24 / 32 / 40)				(24 / 32 / 40 / 60)					
Max. tool diameter / Adjacent empty pockets	mm	Ø125 - Ø210									
Max. tool length (from gauge line)	mm	350									
Max. tool weight	kgs	(18 / 20)									
Tool selection method		(ABS, Random Bi)									
Tool change time (T-T) (approx)	secs	8 (4.5)									
Power requirement	KVA	40 (45)			40 (45)			45 (50)		45 (50)	50 (55)
Floor space requirement	mm	7,200x4,800	8,000x4,800	8,100x5,200	10,100x5,200	8,200x6,500	10,700x6,500	10,700x7,000	10,700x7,500	13,000x6,500	
Machine height from floor level	mm	4,350			4,350 / 4,870			4,240 / 4,760		4,240 / 4,760	
Machine weight (approx)	kgs	18,500	19,000	21,000	24,500	22,000	29,000	32,500	35,000	34,000	
CNC Controller		Fanuc, Meltas, Siemens, Heidenhain series etc.									
Positioning accuracy	mm	JIS B6338 0.01/300, VDI 3441 P0.025						JIS B6338 0.07/300, VDI 3441 P0.035			
Repeatability accuracy	mm	±0.003						±0.005			

MACHINE SPECIFICATIONS

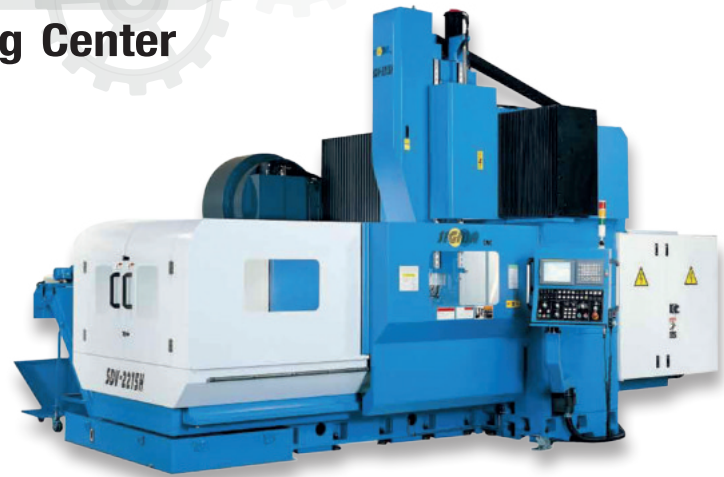
MODEL	UNIT	SDV-1611H	SDV-2011H	SDV-2215H	SDV-3215H	SDV-2219H	SDV-3219H	SDV-3224H	SDV-3229H	SDV-4219H	
X-Axis travel	mm	1,600	2,040	2,200	3,200	2,200	3,200	3,200	3,200	4,200	
Y-Axis travel	mm	1,100	1,100	1,500	1,500	1,900	1,900	2,400	2,900	1,900	
Z-Axis travel	mm	760									
Table size	mm	1,600x1,000	2,000x1,000	2,000x1,400	3,000x1,400	2,000x1,700	3,000x1,700	3,000x2,200	3,000x2,700	4,000x1,700	
T-slots dimension	mm	22 (24, 28)									
Table load capacity	kgs	3,000	3,500	5,000	7,000	5,000	8,000	10,000	12,500	12,000	
Distance between two columns	mm	1,200		1,600		2,000	2,000	2,500	3,000	2,000	
Distance from spindle nose to table	mm	250-1,010			165-925 / 165-1,165 / 270-1,030 / 270-1,270						
Spindle taper, tool shank		ISO NO.50 (40) BT-50, CAT-50, DIN 69871 (BT-40, CAT-40), HSK-A63, HSK-A100									
Spindle speed range	r.p.m.	20-4,000 (30-6,000) (100-10,000) (80-8,000) (12,000-24,000)									
Main motor output (30 min rating / cont)	HP	15,000 (20,000)			12,000 (15,000)			10,000 (12,000)		10,000 (12,000)	
Rapid traverse rate X, Y Axis	mm/min	15,000 (20,000)			12,000 (15,000)			10,000 (12,000)		10,000 (12,000)	
Rapid traverse rate Z Axis	mm/min	12,000 (15,000)									
Cutting feed rate	mm/min	1-5,000 (1-8,000)									
Minimum input increment	mm/min	0.001									
Tool magazine capacity	pcs	(24 / 32 / 40)				(24 / 32 / 40 / 60)					
Max. tool diameter / adjacent empty pockets	mm	Ø125 - Ø210									
Max. tool length (from gauge line)	mm	350									
Max. tool weight	kgs	(18 / 20)									
Tool selection method		(ABS, Random Bi)									
Tool change time (T-T) (approx)	secs	8 (4.5)									
Power requirement	KVA	40 (45)			40 (45)			45 (50)		45 (50)	50 (55)
Floor space requirement	mm	7,200x4,800	8,000x4,800	8,000x6,100	10,000x6,100	8,300x6,500	10,700x6,500	10,700x7,000	10,700x7,500	13,000x6,500	
Machine height from floor level	mm	4,355			4,250 / 4,830			4,250 / 4,830		4,250 / 4,830 / 5,510 / 6,110	
Machine weight (approx)	kgs	20,000	20,500	23,500	27,000	25,500	31,500	34,000	36,000	36,500	
CNC Controller		Fanuc, Meltas, Siemens, Heidenhain series etc.									
Positioning accuracy	mm	JIS B6338 0.01/300, VDI 3441 P0.025						JIS B6338 0.01/300, VDI 3441 P0.035			
Repeatability accuracy	mm	±0.003						±0.005			

CNC Double Column Machining Center

SDV-H series



SDV-4224H



SDV-2215H

SDV-4224	SDV-4229	SDV-4234	SDV-4239	SDV-5224	SDV-5229	SDV-5234	SDV-5239	SDV-6224	SDV-6229	SDV-6234	SDV-6239
4,200	4,200	4,200	4,200	5,200	5,200	5,200	5,200	6,200	6,200	6,200	6,200
2,400	2,900	3,400	3,900	2,400	2,900	3,400	3,900	2,400	2,900	3,400	3,900
760 (1,000)											
4,000x2,200	4,000x2,700	4,000x3,200	4,000x3,700	5,000x2,200	5,000x2,700	5,000x3,200	5,000x3,700	6,000x2,200	6,000x2,700	6,000x3,200	6,000x3,700
22 (24, 28)											
15,000	17,000	19,000	21,000	17,500	20,000	22,500	25,000	25,000	27,500	30,000	32,500
2,500	3,000	3,500	4,000	2,500	3,000	3,500	4,000	2,500	3,000	3,500	4,000
250-1,010 (250-1,250)/ 145-905 (145-1,145)											
ISO NO.50 (40) BT-50, CAT-50, DIN 69871 (BT-40, CAT-40)											
20-4,000 (30-6,000) (100-10,000) (80-8,000)											
25/20 (30/25) (35/30)											
10,000 (12,000)											
12,000 (15,000)											
1-5,000 (1-8,000)											
0.001											
(24 / 32 / 40 / 60)											
Ø125 - Ø210											
350											
(18 / 20)											
(ABS, Random Bi)											
8 (4.5)											
50 (55)				55 (60)				60 (65)			
13,000x7,000	13,000x7,500	13,000x8,000	13,000x8,500	15,000x7,000	15,000x7,500	15,000x8,000	15,000x8,500	17,300x7,000	17,300x7,500	17,300x8,000	17,300x8,500
4,240 / 4,760											
37,000	40,000	43,000	46,000	55,000	58,500	62,000	65,000	69,000	72,000	75,000	78,000
Fanuc, Melder, Siemens, Heidenhain series etc.											
JIS B6338 0.01/300, VDI 3441 P0.035											
±0.005											

SDV-4224H	SDV-4229H	SDV-4234H	SDV-4239H	SDV-5224H	SDV-5229H	SDV-5234H	SDV-5239H	SDV-6224H	SDV-6229H	SDV-6234H	SDV-6239H
4,200	4,200	4,200	4,200	5,200	5,200	5,200	5,200	6,200	6,200	6,200	6,200
2,400	2,900	3,400	3,900	2,400	2,900	3,400	3,900	2,400	2,900	3,400	3,900
760 (1,000 / 1,200 / 1,400)											
4,000x2,200	4,000x2,700	4,000x3,200	4,000x3,700	5,000x2,200	5,000x2,700	5,000x3,200	5,000x3,700	6,000x2,200	6,000x2,700	6,000x3,200	6,000x3,700
22 (24, 28)											
15,000	17,000	19,000	21,000	17,500	20,000	22,500	25,000	25,000	27,500	30,000	32,500
2,500	3,000	3,500	4,000	2,500	3,000	3,500	4,000	2,500	3,000	3,500	4,000
165-925 / 165-1,165 / 165-1,365 / 165-1,565 / 270-1,030 / 270-1,270 / 270-1,470 / 270-1,670											
ISO NO.50 (40) BT-50, CAT-50, DIN 69871 (BT-40, CAT-40), HSK-A63, HSK-A100											
20-4,000 (30-6,000) (100-10,000) (80-8,000) (12,000-24,000)											
30 / 25 (35 / 30)											
10,000 (12,000)						10,000 (12,000)					
12,000 (15,000)											
1-5,000 (1-8,000)											
0.001											
(24 / 32 / 40 / 60)											
Ø125 - Ø210											
350											
(18 / 20)											
(ABS, Random Bi)											
8 (4.5)											
50 (55)			50 (55)			55 (60)			60 (65)		
13,000x7,000	13,000x7,500	13,000x8,000	13,000x8,500	15,000x7,000	15,000x7,500	15,000x8,000	15,000x8,500	17,300x7,000	17,300x7,500	17,300x8,000	17,300x8,500
4,250 / 4,830 / 5,510 / 6,110											
39,500	42,500	45,500	48,500	57,500	61,000	64,500	67,500	71,500	74,500	77,500	80,500
Fanuc, Melder, Siemens, Heidenhain series etc.											
JIS B6338 0.01/300, VDI 3441 P0.035											
±0.005											