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SDM+SDL *SERIES*

CNC Double Column Machining Center

CNC 5-FACE Double Column Machining Center

Quality Features Help Mould Makers Stay Ahead

- Designed for large mold and mold based machining.
- Maximum table load up to 24,000 kgs [SDM-6235 ~ SDM-7235].
- Various spindles to choose from.
- Various milling heads to choose from.
- Z-axis is counter-balanced by hydraulic cylinder for exceptional stability and smoothness of motion.
- Extra heavy duty linear guide ways on X / Y-axes.
- Optimal design on distance between columns and column sizes exhibit unmatched stability for heavy cutting.
- All structured parts are manufactured from cast iron, tempered and stress relieved to assure maximum stability, rigidity and accuracy.



Boost Your Overall Machining Efficiency

- In need of an extra high efficiency machining center?
Come to FEELER, we have the right machine to meet your expectations.



The Most Comprehensive Models to Choose From

SDM-X X X X [SDM-2216 ~ SDM-7235]

(x100mm)

Distance Between Two Columns

(x100mm)

X Axis Travel

The Ultimate Structural Design

Enables high productivity, maximum stability plus precision machining.

To assure highly productive machining, the structural design for the SANCO Double Column Machining Center focuses on minimizing vibration during cutting and lifetime deformation-free performance. This allows greater cutting depth and feed rate during machining

- All structural parts are manufactured from high quality cast iron, tempered and stress relieved for durable stability year after year.
- Structural parts are of a box type construction with scientifically calculated rib reinforcement for outstanding rigidity.
- The table is fully supported without overhang problems throughout the entire travel.
- Extra wide distance between columns and extra long travel make the machine especially ideal for large workpiece machining. Maximum table load reaches 24,000 kgs [SDM-6235 ~ SDM-7235].



■ Extra Heavy Duty Linear Guide Ways

- The X, Y axis utilize extra heavy duty linear guide ways. The X-axis employs ball type or roller type linear guide ways depends on model. The Y-axis employs imported roller type linear guide ways. These linear guide ways feature excellent loading capacity, low friction, high positioning accuracy and lifetime accuracy.



■ Additional Linear Guide Way

- In case the distance between columns is over 2,500mm, the base is equipped with 3 linear guide ways. Each guideway with 6 blocks, fully support working table and improve rigidity.



■ Crossbeam with Linear Guide Way

- The Y-axis on all models employs two roller typelinear guide ways, reducing friction to a minimum and increasing the machine's accuracy.



Distance between Columns & Column Sizes



■ Special Oversized Column

- In case the distance between columns is over 2,500mm, the column will be specially designed with oversized construction. This provides increased jointing area, resulting in greater rigidity.

Distance between Columns (A)	Column Width (B)	Column Thickness (C)
1,600mm	900mm	700mm
2,000~2,500mm	1,000mm	700mm
2,800mm or up to 2,800mm	1,000mm	1,000mm

Standard Accessories ■ Foot Switch (Standard)



■ Swing Control Control Panel (Standard)

- The control box allows swinging in any direction. An MPG handwheel provides added convenience for workpiece setup.

■ Foot Switch (Standard)

- By using the foot switch, the operator can conveniently clamp or release the tool on the spindle.

■ Chip Conveyor

- The chip conveyor delivers chips to the cart. A higher chip outlet port is available for delivering chips directly into a chip tank.



Optional Accessories



■ FANUC Oi-M (Standard)

- FANUC 32i-M/31i-M(Optional)
- MITSUBISHI(M80/M830)(Optional)
- SIEMENS(828D/840DSL)(Optional)
- HEIDENHAIN iTNC 530(Optional)



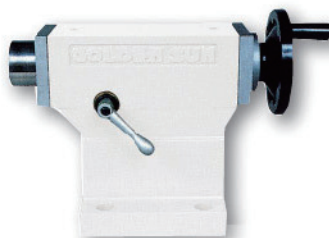
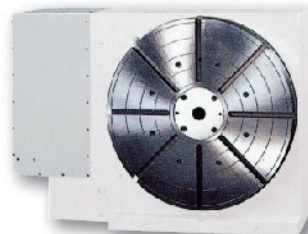
■ Vertical Chain Type ATC (Optional)

- With tool changer arm for ATC unit.
- Bi-directional, random tool selection.
- 32 or 40 tools magazine to choose from.



■ Pendant Control Panel (Optional)

- The Pendant Control Panel allows an even greater range for the control panel movement.
- Note: The actual design and the anchor point vary slightly with each model-ensuring high accuracy machining.



■ Manual Tailstock

■ CNC Rotary Table

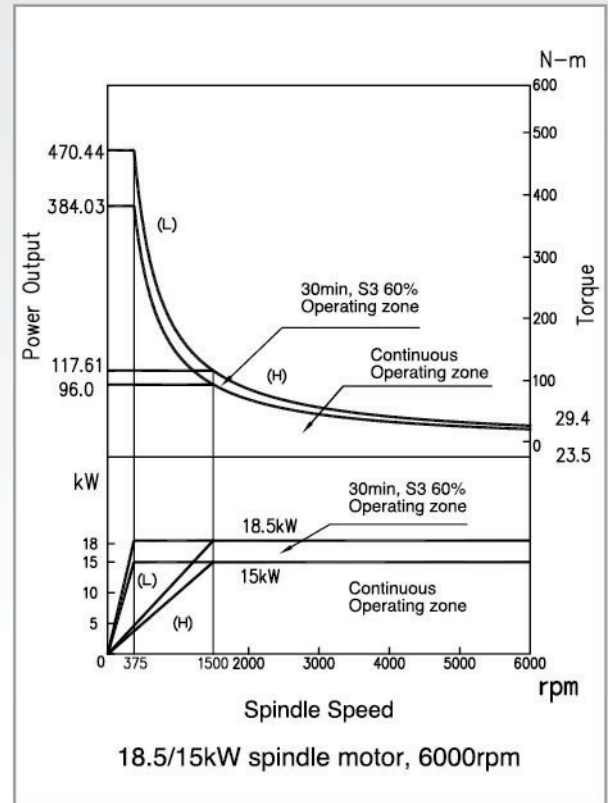
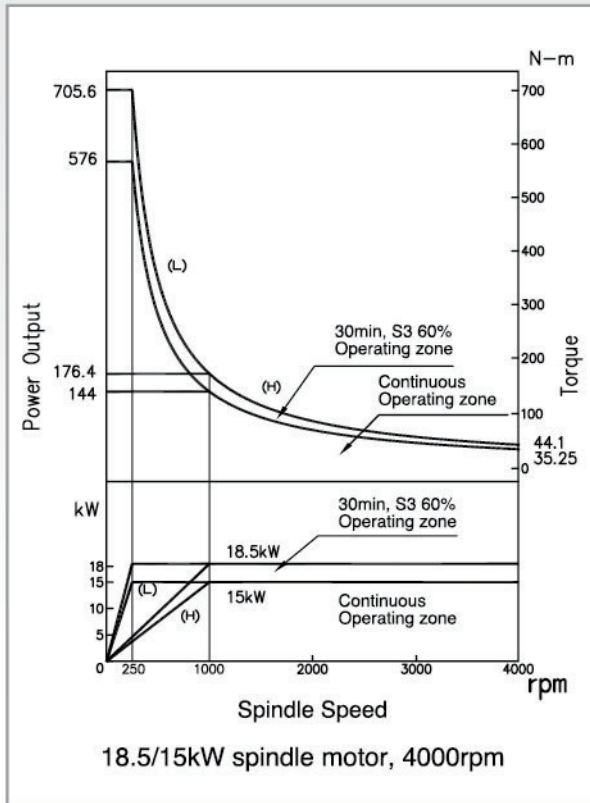
- ϕ 400mm, ϕ 500mm,
- ϕ 630mm, ϕ 800mm,



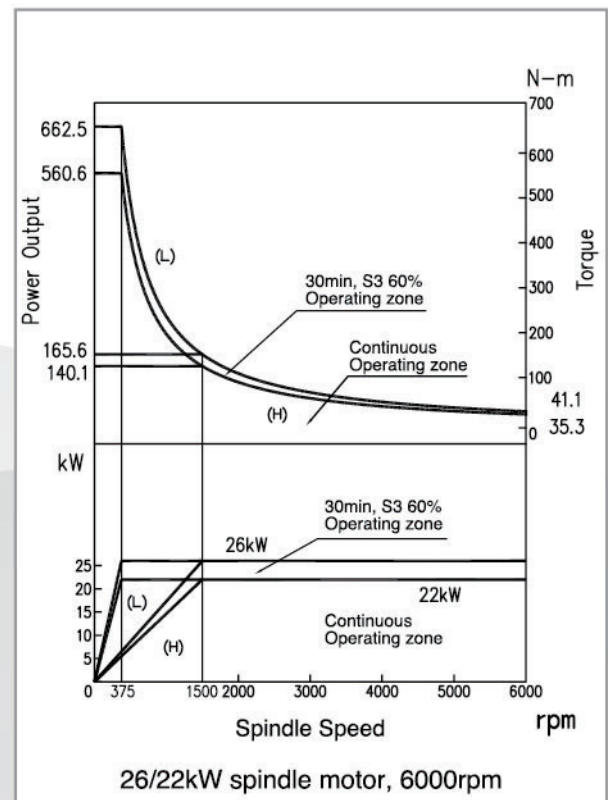
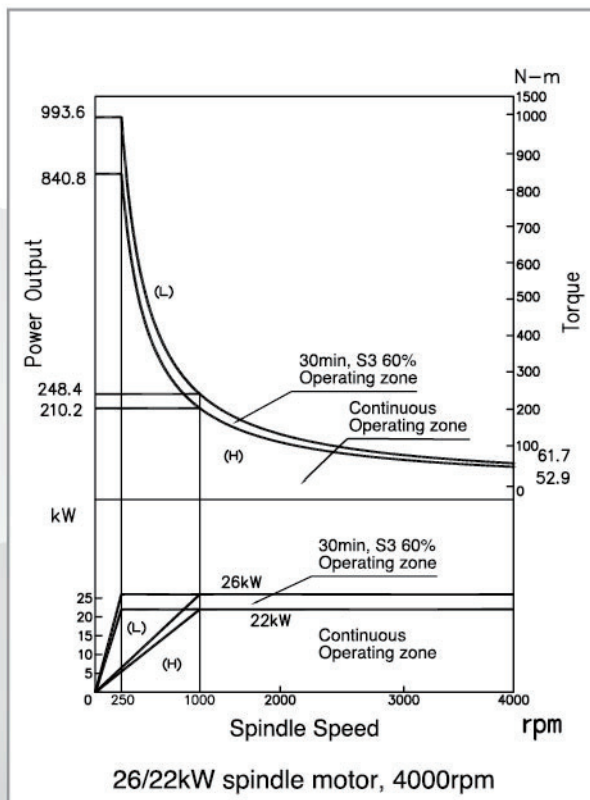
FANUC i Series Spindle Motor Power and Torque Diagram

CNC Double Column Machining Center

Standard Accessories



Optional Accessories



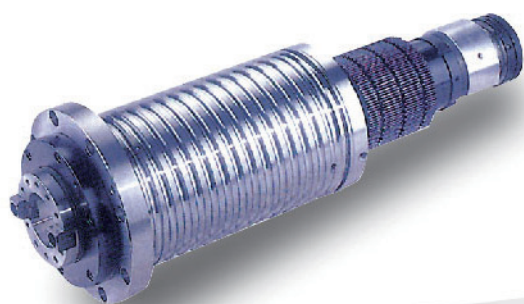
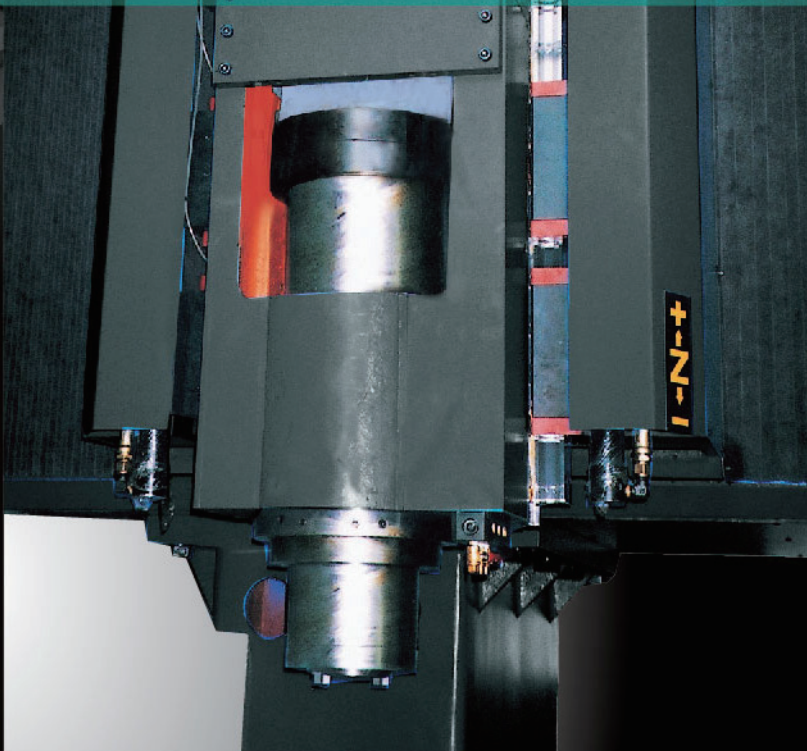
Belt Type Spindle

With planetary gear box
4000 / 6000 / 8000 rpm



Direct-Driven Spindle

Without gear box
(ISO-40 Taper) spindle speed 8,000/10,000/12,000/15,000rpm
(ISO-40 Taper) spindle speed 8,000/10,000rpm



■ Belt Type Spindle (Standard)

- ISO-50 spindle taper with short nose design makes the spindle excellent for heavy cutting.
- The spindle is driven through a planetary gear box.
- 4000 / 6000rpm (standard)
- 8000rpm (optional)



■ Direct-Driven Spindle (Optional)

- Long nose design.
- Taper ISO-40:
8000 / 10000 / 12000 / 15000rpm
- Taper ISO-50:
12000 / 15000rpm(HSK-A63 is available)

SDL series New design –

Z axis with four linear guide way

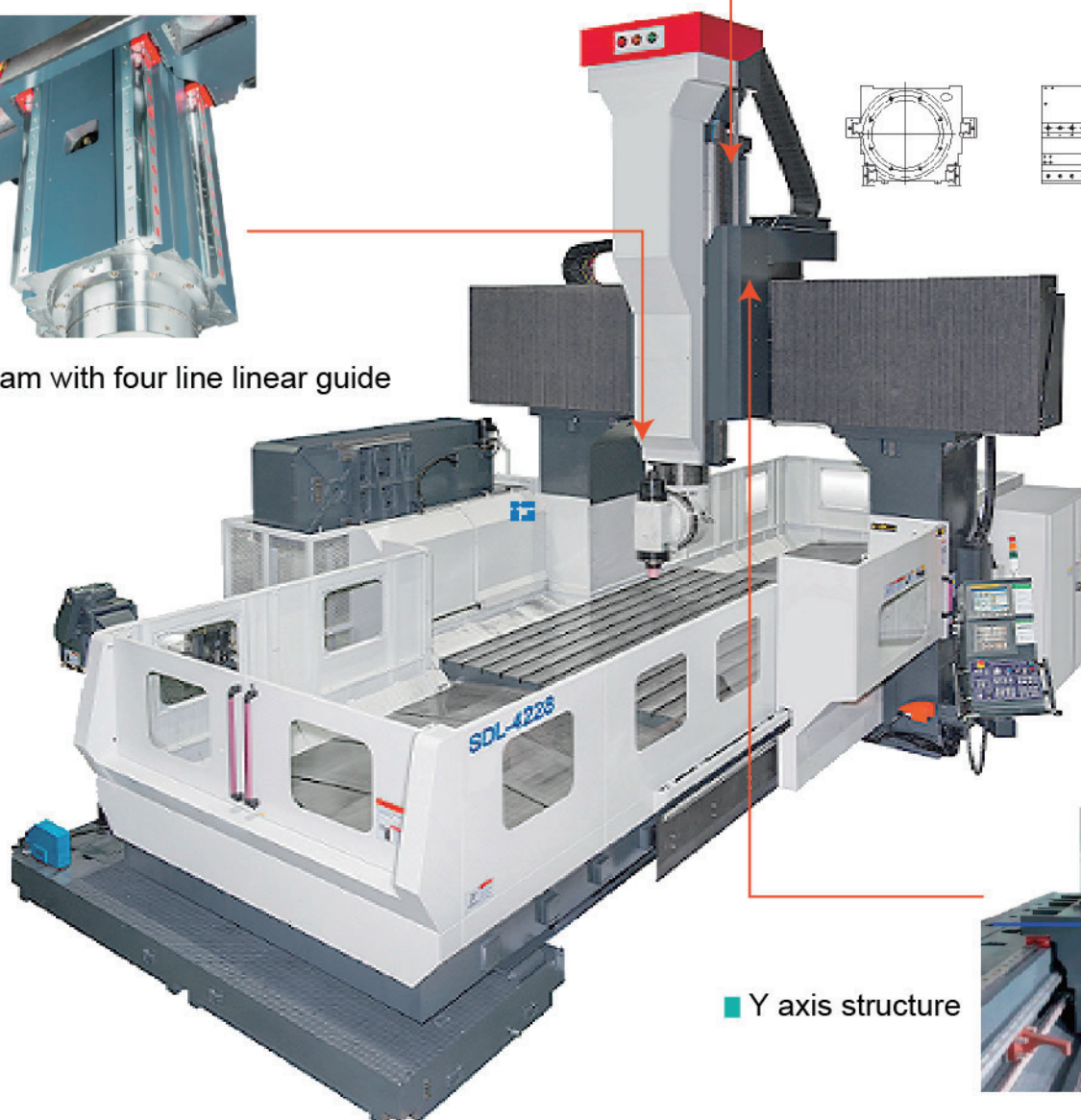
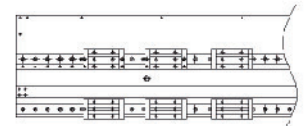
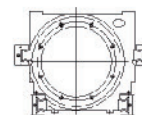
Z axis travel (Std. : 1200 mm : Opt. : 900mm 、 1400mm)

- Z axis large span covered by rectangle
- Y axis linear guide way taken by both sides support
- Spindle driven by gear box. High & Low two steps gear shift. Release high torque when low speed gear step, good at heavy cutting. High speed gear step could further enhance the processing accuracy.
- Multi optional with automatic processing application function. Effectively increase the working efficiency, reduce workin time and processing cost.
- Variety milling head for variety processing work

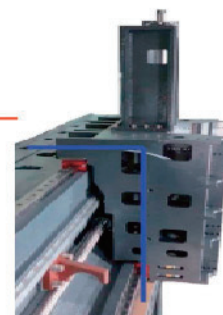
Special design on Ram to reduce interference on processing area



■ Ram with four line linear guide

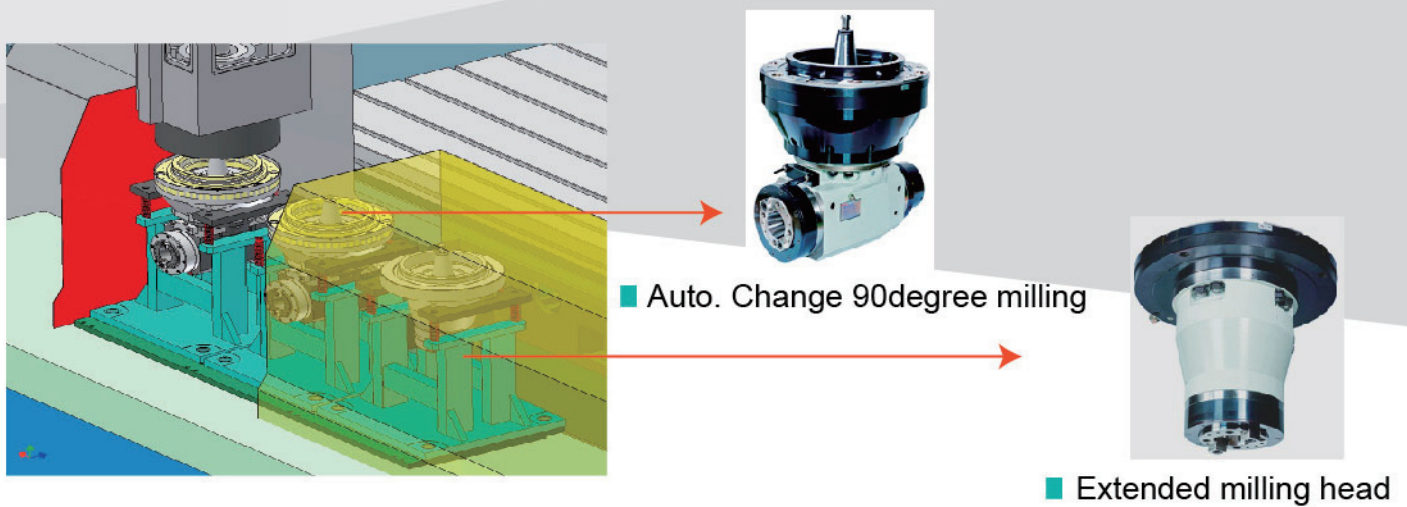


■ Y axis structure

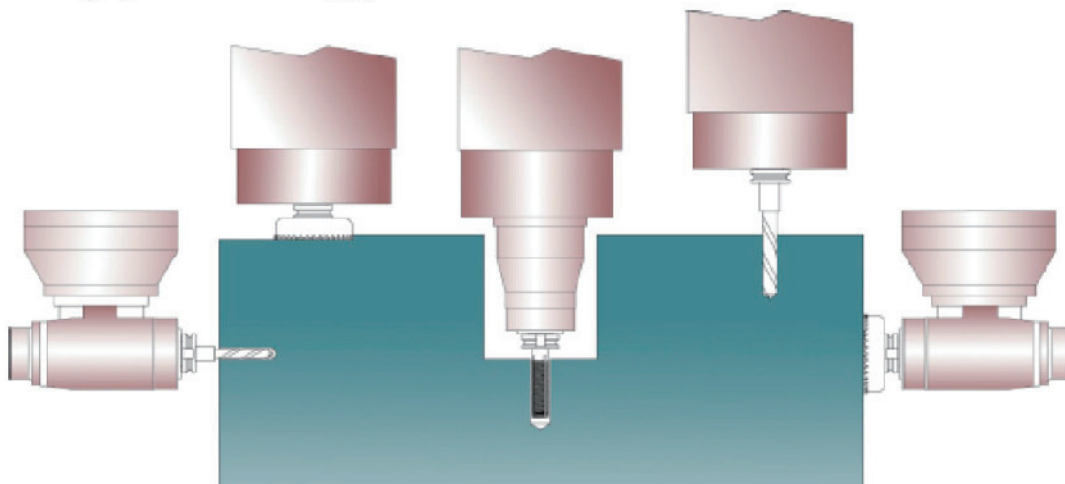


Optional:

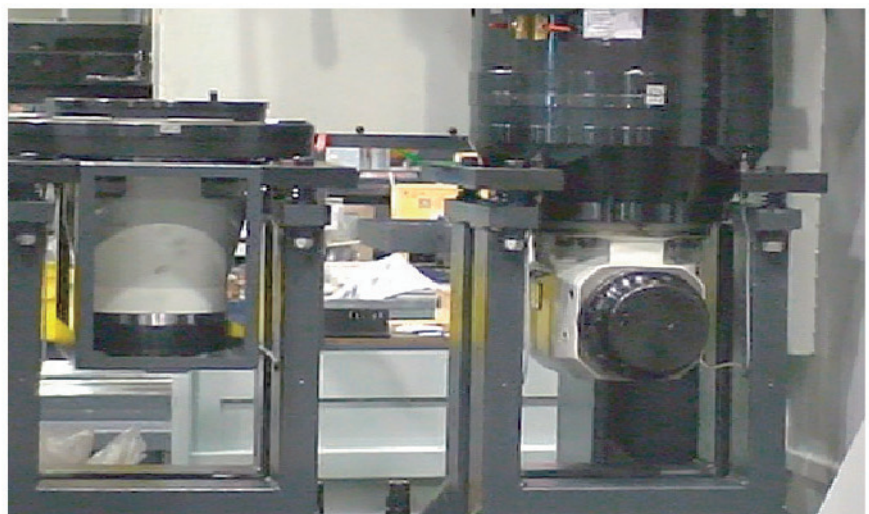
Equip with Automatic Milling Head Attachment Changer System (1+1 attachment system or Multi Attachment system) to reach real automatic producing. Provide variety milling head



Provide variety processing performance



■ 1+1 Attachment system
(one milling head change
auto.)



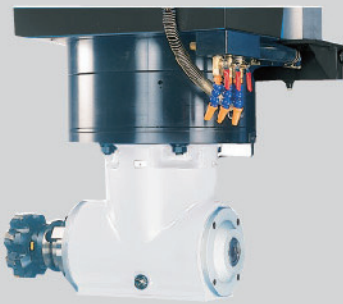
■ Multi milling head attachment system

Productivity Means Machining Faster

FEELER Double Column Machining Centers increase productivity therefore helping you create profits.



Optional Milling Heads (SDM/SDL series Available)



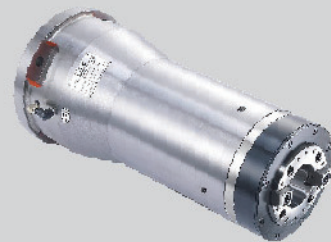
■ 90° Angular Milling Head

- Manual clamping
- Manual rotation or automatic rotation is available
- 2500 rpm or 3500 rpm (with hydraulic tool clamping / unclamping for 3500 rpm)



■ 90° Angular Extension Head

- 800rpm or 3500rpm



■ Extended Milling Head

- 3500rpm (300mm or 500mm)



■ Manual A/C Axis Milling Head

- 500 or 3500 rpm
- CTS available (Optional)



■ Manual Universal Milling Head

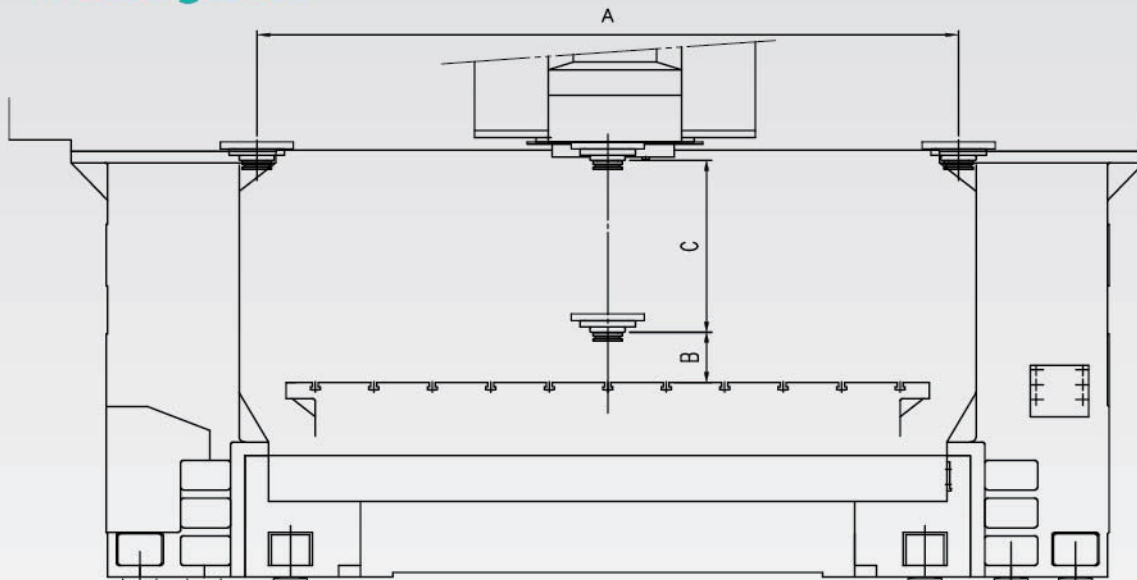
- 2500 or 3500 rpm
- Manual rotary
- Hydraulic tool clamping / unclamping.
- CTS available (Optional)



■ Automatic Vertical & Horizontal Milling Head

- A/C – Axis 5° positioning
- 3500 rpm
- Hydraulic tool clamping / unclamping.
- CTS available (Optional)

Working Area



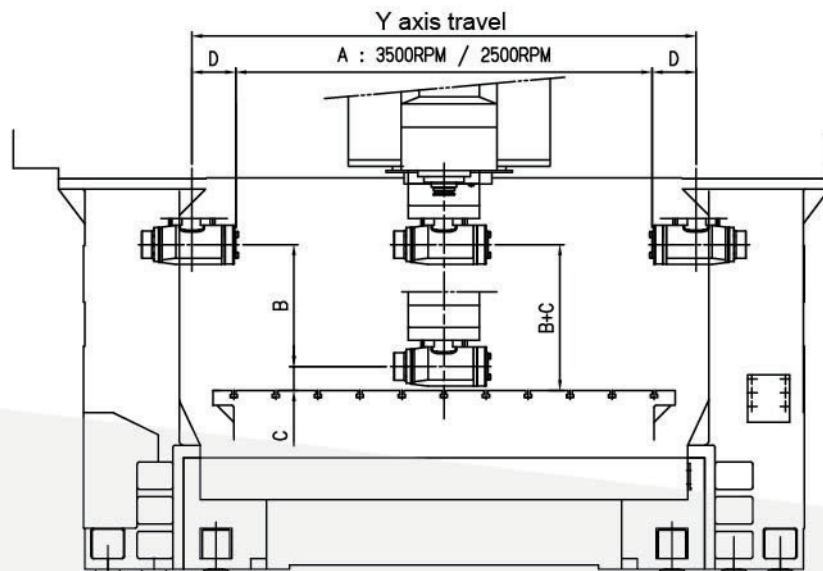
STD.

Between columns	A	B			B~B+C		
	Y axis	Z=750	Z=900	Z=1200	Z=750	Z=900	Z=1200
1600	1400	220	270	270	220~970	270~1170	270~1470
2000	1800						
	2400						
2500	2400						
	3000						
2800	3300						
3200	3700						
3500	4000						

Remarks: B+C=Distance between spindle nose to table top

UNIT : mm

The Working Area With 90° Degree Milling Head



Between columns	Y axis	A		Z=750		Z=900		Z=1200	
		2500RPM	3500RPM	B	C	B	C	B	C
1600	1400	1030	982	580	115	780	115	1080	115
2000	1800	1430	1382						
2500	2400	2030	1982						
2800	3300	2930	2882						
3200	3700	3330	3282						
3500	4000	3630	3582						

UNIT : mm

SDM series Double Column Machining Centers

MODEL	UNIT	SDM-2216	SDM-2220	SDM-3216	SDM-3220	SDM-3225
TABLE						
Overall Size	mm	2000X1400	2000X1700	3000X1400	3000X1700	3000X2000
T Slots	mm	22	22	22	22	22
Maximum Loading	tons	6	7	9	10	11
TRAVEL						
X Axis	mm	2200	2200	3200	3200	3200
Y Axis	mm	1400	1800(2400)	1400	1800(2400)	2400(3000)
Z Axis	mm	750(900 、 1200)		750(900 、 1200)		
DISTANCES						
Between Two Columns	mm	1600	2000	1600	2000	2500
Spindle Nose To Table Top	mm	ISO- 50 Standard spindle :				
	mm	ISO- 50 Long spindle :				
	mm	ISO- 40 D.D.S. standard spindle:				
	mm	ISO-50 D.D.S. standard spindle:				
SPINDLE NOSE TO TABLE TOP						
Speed of main spindle	rpm	4000/6000				
Speed of motor-cont/30min	kW	FANUC 15/18.5 (22/26)				
Taper		BT/DIN/CAT 50 (BT/DIN/CAT 40)				
FEED RATE						
Rapid Feedrate X/Y/Z	m / min	12(15)/12(15)/10(12)				
Cutting Feedrate X/Y/Z	mm / min	1~5000				
Minimum Setting	mm	0.001				
ATC						
No. of ATC		24(32/40/60)				
Max. Length of Tool	mm	350				
Max. Weight of Tool	kg	18				
Max. Dia of Tool (with Adjacent Tool)	mm	110				
Max. Dia of Tool (without Adjacent Tool)	mm	200				
COOLANT & LUBRICATION						
Coolant Tank Volume	L	450	620	450	620	760
Hydraulics Tank Volume	L	70				
Lubrication Tank Volume	L	8				
MISCELLANEOUS						
Machine Net Weight (around)	tons	22	26.5	25.5	29	32
Power Required	kVA	50				
Pneumatics Required	kg / cm ²	7				
Hydraulics Required	kg / cm ²	70				
Controller						

*Values in brackets () are optional. *Specifications are subject to change without notice

Standard Features & Accessories

- AUTOMATIC LUBRICATION SYSTEM
- AUTOMATIC POWER OFF
- AICC II (200 Block / 30m)
- A.T.C. 24
- DATA SERVER + 2G CF card
- HEAT EXCHANGER IN CABINET
- LEVELLING BOLTS & PADS
- MACHINE & CONTROLLER MANUALS
- M.P.G.
- RS-232C & RJ-45 TERMINAL INTERFACE
- SCREW AUGER & CHAIN TYPE CHIP CONVEYORS & CART
- SPINDLE SPEED 4000/6000 rpm
- SPINDLE MOTOR α15i (15/18.5kW)
- SPINDLE AIR BLAST SYSTEM
- SPINDLE OIL COOLER
- SPLASH GUARD
- TOOLS BOX FOR MACHINE ADJUSTMENT
- WORKING LAMP & ALARM LAMP

SDM- $\frac{X}{A} \frac{X}{B} \frac{X}{A} \frac{X}{B}$

A: (X100mm) X axis travel
B: (X100mm) Distance between
two columns

(B): Distance between two columns: 2500mm
3 linear guide ways being mounted on X axis
(SDM-3225B / SDM-4225B / SDM-5225B)

SDM-3225B	SDM-3228	SDM-4216	SDM-4220	SDM-4225	SDM-4225B	SDM-4228	SDM-4232
3000X2200	3000X2500	4000X1400	4000X1700	4000X2000	4000X2200	4000X2500	4000X2900
22	22	22	22	22	22	22	22
12	12	10	12	12	14	14	14
3200	3200	4200	4200	4200	4200	4200	4200
2400(3000)	3300	1400	1800(2400)	2400(3000)	2400(3000)	3300	3700
900(1200)		900(1200)					
2500	2800	1600	2000	2500	2500	2800	3200
220~970mm (Z=750mm) / 270~1170mm (Z=900mm) / 270~1470mm (Z=1200mm)							
70~820mm (Z=750mm) / 120~1020mm (Z=900mm) / 120~1320mm (Z=1200mm)							
128~878mm (Z=750mm) / 178~1078mm (Z=900mm) / 178~1378mm (Z=1200mm)							
190~940mm (Z=750mm) / 240~1140mm (Z=900mm) / 240~1440mm (Z=1200mm)							
4000/6000							
/ SIEMENS 15/20.5(22/30) / HEIDENHAIN 15/20.5 (20/30)							
BT/DIN/CAT 50 (BT/DIN/CAT 40)							
12(15)/12(15)/10(12)							
1~5000							
0.001							
24(32/40/60)							
350							
18							
110							
200							
760	840	450	620	760	760	840	840
70	70						
8	8						
38	40	30.5	34.5	38	42.5	45.5	52
50							
7							
70							
FANUC Oi-M (32i-M/ 31i-M) MITSUBISHI (M80/ M830) SIEMENS(828D/840DSL) HEIDENHAIN (iTNC 530 HSCI)							

Optional Accessories

- AUXILIARY WORK TABLE
- AIR CONDITIONER IN ELECTRIC CABINET
- AUTO TOOL CHANGE: 32/40/60 TOOLS
- AUTO HEAT COMPENSATION
- COOLANT THROUGH SPINDLE (CTS 20BAR)
- CUTTING COOLANT MIST DEVICE
- FULL SPLASH GUARD WITH TOP ROOF
- TOOL SHANK WITH OI
- TOOL PRESETTER (TS-27)
- WORKPIECE COORDINATE MEASURING (OMP 60)
- X/Y/Z AXIS LINEAR SCALES

SDM series Double Column Machining Centers

MODEL	UNIT	SDM-5220	SDM-5225	SDM-5225B	SDM-5228
TABLE					
Overall Size	mm	5000X1700	5000X2000	5000X2200	5000X2500
T Slots	mm	22	22	22	22
Maximum Loading	tons	15	15	18	18
TRAVEL					
X Axis	mm	5200	5200	5200	5200
Y Axis	mm	1800(2400)	2400(3000)	2400(3000)	3300
Z Axis	mm	900(1200)			
DISTANCES					
Between Two Columns	mm	2000	2500	2500	2800
Spindle Nose To Table Top	mm	ISO- 50 Standard spindle :			
	mm	ISO- 50 Long spindle :			
	mm	ISO- 40 D.D.S. standard spindle:			
	mm	ISO-50 D.D.S. standard spindle:			
SPINDLE NOSE TO TABLE TOP					
Speed of main spindle	rpm	4000/6000			
Speed of motor-cont/30min	kW	FANUC 15/18.5 (22/26)			
Taper		BT/DIN/CAT 50 (BT/DIN/CAT 40)			
FEED RATE					
Rapid Feedrate X/Y/Z	m / min	10(15)/12(15)/10(12)			
Cutting Feedrate X/Y/Z	mm / min	1~5000			
Minimum Setting	mm	0.001			
ATC					
No. of ATC		24(32/40/60)			
Max. Length of Tool	mm	350			
Max. Weight of Tool	kg	18			
Max. Dia of Tool (with Adjacent Tool)	mm	110			
Max. Dia of Tool (without Adjacent Tool)	mm	200			
COOLANT & LUBRICATION					
Coolant Tank Volume	L	620	760	760	840
Hydraulics Tank Volume	L	70			
Lubrication Tank Volume	L	8			
MISCELLANEOUS					
Machine Net Weight (around)	tons	38	43	49	53
Power Required	kVA	50			
Pneumatics Required	kg / cm ²	7			
Hydraulics Required	kg / cm ²	70			
Controller					

*Values in brackets () are optional. *Specifications are subject to change without notice

Standard Features & Accessories

- AUTOMATIC LUBRICATION SYSTEM
- AUTOMATIC POWER OFF
- AICC II (200 Block / 30m)
- A.T.C. 24
- DATA SERVER + 2G CF card
- HEAT EXCHANGER IN CABINET
- LEVELLING BOLTS & PADS
- MACHINE & CONTROLLER MANUALS
- M.P.G.
- RS-232C & RJ-45 TERMINAL INTERFACE
- SPINDLE SPEED 4000/6000 rpm
- SPINDLE MOTOR α15i (15/18.5kW)
- SPINDLE AIR BLAST SYSTEM
- SPINDLE OIL COOLER
- SCREW AUGER & CHAIN TYPE CHIP CONVEYORS & CART
- SPLASH GUARD
- TOOLS BOX FOR MACHINE ADJUSTMENT
- WORKING LAMP & ALARM LAMP

SDM- $\frac{X}{A} \frac{X}{B} \frac{X}{A} \frac{X}{B}$

A: (X100mm) X axis travel
B: (X100mm) Distance between two columns

(B): Distance between two columns: 2500mm
3 linear guide ways being mounted on X axis
(SDM-3225B / SDM-4225B / SDM-5225B)

SDM-5232	SDM-5235	SDM-6232	SDM-6235	SDM-7232	SDM-7235
5000X2900	5000X3000	6000X2900	6000X3000	6000X2900	6000X3000
22	22	22	22	22	22
20	20	20	24	20	24
5200	5200	6200	6200	7200	7200
3700	4000	3700	4000	3700	4000
900(1200)					
3200	3500	3200	3500	3200	3500
220~970mm (Z=750mm) / 270~1170mm (Z=900mm) / 270~1470mm (Z=1200mm)					
70~820mm (Z=750mm) / 120~1020mm (Z=900mm) / 120~1320mm (Z=1200mm)					
128~878mm (Z=750mm) / 178~1078mm (Z=900mm) / 178~1378mm (Z=1200mm)					
190~940mm (Z=750mm) / 240~1140mm (Z=900mm) / 240~1440mm (Z=1200mm)					
4000/6000					
SIEMENS 15/20.5(22/30) / HEIDENHAIN 15/20.5 (20/30)					
BT/DIN/CAT 50 (BT/DIN/CAT 40)					
10(12)/10(12)/10(12)					
1~5000					
0.001					
24(32/40/60)					
350					
18					
110					
200					
840	920	980	1060	980	1060
70					
12.6					
55	56	70	72	77	82
50					
7					
70					
FANUC 0i-M (32i-M/ 31i-M) MITSUBISHI (M80/ M830) SIEMENS(828D/840DSL) HEIDENHAIN (iTNC 530 HSCI)					

Optional Accessories

- AUXILIARY WORK TABLE
- AIR CONDITIONER IN ELECTRIC CABINET
- AUTO TOOL CHANGE: 32/40/60 TOOLS
- AUTO HEAT COMPENSATION
- CNC ROTARY TABLE
- COOLANT THROUGH SPINDLE (CTS 20BAR)
- CUTTING COOLANT MIST DEVICE
- FULL SPLASH GUARD WITH TOP ROOF
- TOOL SHANK WITH OIL
- TOOL PRESETTER (TS-27)
- WORKPIECE COORDINATE MEASURING (OMP 60)
- X/Y/Z AXIS LINEAR SCALES

SDL series Double Column Machining Centers

MODEL	UNIT	SDL-4220	SDL-4225	SDL-4228	SDL-4232	SDL-5220	SDL-5225	SDL-5228
TABLE								
Overall Size	mm	4000X1700	4000X2000	4000X2500	4000X2900	5000X1700	5000X2000	5000X2500
T Slots	mm	22	22	22	22	22	22	22
Maximum Loading	tons	12	12	14	14	15	15	18
TRAVEL								
X Axis	mm	4200				5200		
Y Axis	mm	1800	2400	3300	3700	1800	2400	3300
Z Axis	mm	(900)1200(1400)				(900)1200(1400)		
DISTANCES								
Between Two Columns	mm	2000	2500	2800	3200	2000	2500	2800
Distance Nose To Table Top	mm	ISO-50 Standard spindle : 270~1170 (Z=900mm) 270~1470 (Z=1200mm) 270~1670 (Z=1400mm)						
SPINDLE NOSE TO TABLE TOP								
Speed of main spindle	rpm	6000				6000		
Speed of motor-cont/30min	kW	FANUC 15/18.5(22/26) /						
Taper								
FEED RATE								
Rapid Feedrate X/Y/Z	m / min	15/12/10						
Cutting Feedrate X/Y/Z	mm / min	1~7000				1~7000		
ATC								
No. of ATC		24				24		
Max. Length of Tool	mm	350				350		
Max. Weight of Tool	kg	18				18		
Max. Dia of Tool (with Adjacent Tool)	mm	Ø110				Ø110		
Max. Dia of Tool (without Adjacent Tool)	mm	Ø200				Ø200		
COOLANT & LUBRICATION								
Coolant Tank Volume	L	620	760	840	840	620	760	840
Hydraulics Tank Volume	L	70				70		
Lubrication Tank Volume	L	8				8		
MISCELLANEOUS								
Machine Net Weight (around)	tons	40	43	51	56	43	48	58
Power Required	kVA	50				50		
Pneumatics Required	kg / cm ²	7				7		
Hydraulics Required	kg / cm ²	70				70		
*Values in brackets () are optional. *Specifications are subject to change without notice								

Standard Features & Accessories

- AUTOMATIC LUBRICATION SYSTEM
- AUTOMATIC POWER OFF
- AICC II (200 Block / 30m)
- A.T.C 24
- DATA SERVER + 2G CF CARD (STANDARD)
- HEAT EXCHANGER IN CABINET
- LEVELING SCREWS AND PADS
- M.P.G
- MACHINE & CONTROLLER MANUALS LEVelling BOLTS & PADS
- RS-232C / RJ-45 INTERFACE
- SPINDLE SPEED 6000 RPM
- SPINDLE MOTOR α 15i (15 / 18.5kW)
- SPINDLE AIR BLAST SYSTEM
- SPINDLE OIL COOLER
- SCREW AUGER & CHAIN TYPE CHIP CONVEYORS & CART
- SPLASH GUARD
- TOOLS BOX FOR MACHINE ADJUSTMENT
- WORKING LAMP & ALARM LAMP

$$\text{SDL} - \frac{X}{A} \frac{X}{B} \frac{X}{A} \frac{X}{B}$$

A: (X100mm) X axis travel
B: (X100mm) Distance between two columns

SDL-5 232			SDL-5235	SDL-5240	SDL-6225	SDL-6228	SDL-6232	SDL-6235	SDL-6240	SDL-7232	SDL-7235	SDL-7240
5000X2 800			5000X3000	5000X3500	6000X2200	6000X2500	6000X2900	6000X3000	6000X3500	7000X2900	7000X3000	7000X3500
22			22	22	22	22	22	22	22	22	22	22
20			20	24	15	18	20	20	24	20	20	24
5200					6200					7200		
3700	4000	4500	2400	3300	3700	4000	4500	3700	4000	4500		
(900)1200(1400)			(900)1200(1400)						(900)1200(1400)			
3200			3500	4000	2500	2800	3200	3500	4000	3200	3500	4000
				ISO-50 Standard spindle: 270~1170 (Z=900mm) 270~1470 (Z=1200mm) 270~1670 (Z=1400mm)								
6000				6000					6000			
SIEMENS 15/20.5(20/30) / HEIDENHAIN 15/20.5(20/30)												
DIN/CAT/BT50												
15/10/10			15/12/10				15/10/10		15/12/10	15/10/10		
			1~7000						1~7000			
24			24						24			
350			350						350			
18			18						18			
Ø110			Ø110						Ø110			
Ø200			Ø200						Ø200			
840	920	1120	760	840	980	1060	1120	980	1060	1120		
70			70						70			
8			12.6						12.6			
63	65	67	74	73	75	77	79	82	87	92		
50			50						50			
7			7						7			
70			70						70			

Optional Accessories

- AUXILIARY WORK TABLE
- AIR CONDITIONER IN ELECTRIC CABINET
- AUTOMATIC ATTACHMENT CHANGER SYSTEM (AAC)
- AUTO HEAT COMPENSATION
- COOLANT THROUGH SPINDLE (CTS 20BAR)
- CNC ROTARY TABLE
- CUTTING COOLANT MIST DEVICE
- FULL SPLASH GUARD WITH TOP ROOF
- MILLING HEAD
- POSITIONING BLOCK FOR OIL-FEED HOLDER
- TOOL PRESETTER
- WORKPIECE COORDINATE MEASURING (OMP 60)
- X/Y/Z AXIS LINEAR SCALES

Floor Space & Series Layout

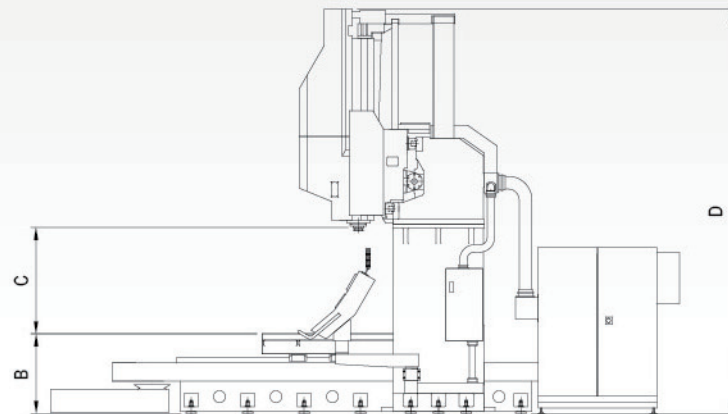
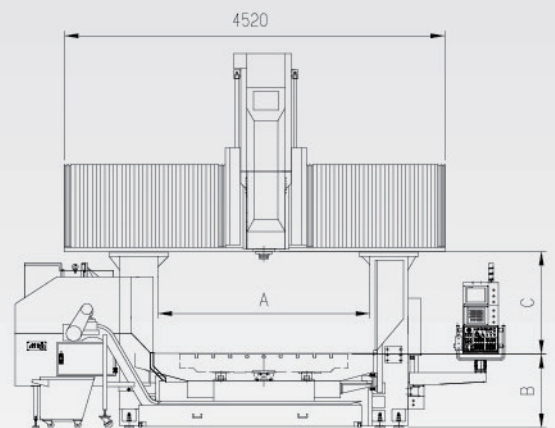
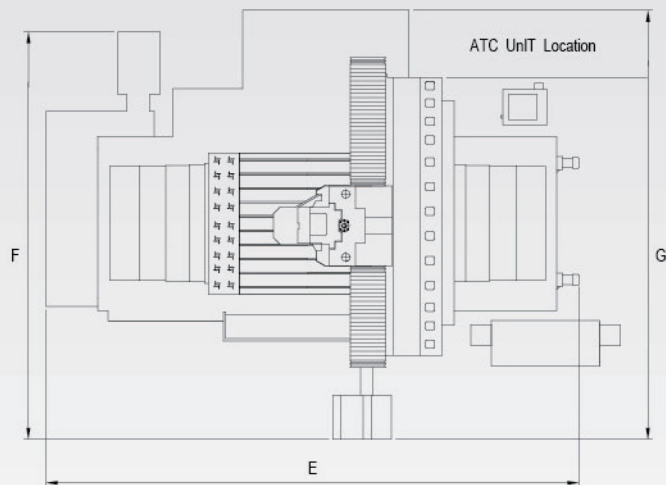
UNIT:mm

Column M/CSSDM Double	A Between Two Columns	B Table to Ground	C Spindle to Table Top	D M/C Height	E M/C Length	F Without ATC	G With ATC
SDM-2216	1600	850	1.ISO-50 Standard spindle:220-970mm (Z=750mm) / 270-1170mm (Z=900mm) / 270-1470mm (Z=1200mm) 2.ISO-50 Long spindle:70-820mm (Z=750mm) / 120-1020mm (Z=900mm) / 120-1320mm (Z=1200mm) 3.ISO-40 D.D.S. standard spindle:128-878mm (Z=750mm) / 178-1078mm (Z=900mm) / 178-1378mm (Z=1200mm) 4.ISO-50 D.D.S. standard spindle:190-940mm (Z=750mm) / 240-1140mm (Z=900mm) / 240-1440mm (Z=1200mm)	1.4270 (Z:750) 2.4470 (Z:900) 3.5200 (Z:1200)	6800	4650	5000
SDM-2220	2000	875			6800	4950	5200
SDM-3216	1600	850			8300	4650	5000
SDM-3220	2000	875			8300	4950	5200
SDM-3225	2500	875			8300	5700	5900
SDM-3225B	2500	875			8300	5700	5900
SDM-3228	2800	895			8300	6050	6500
SDM-4216	1600	850			10500	4650	5000
SDM-4220	2000	875			10500	4950	5200
SDM-4225	2500	875			10500	5700	5900
SDM-4225B	2500	875			10500	5700	5900
SDM-4228	2800	895			10500	6050	6500
SDM-4232	3200	895			10500	6450	7000
SDM-5220	2000	875			12550	4950	5200
SDM-5225	2500	875			12550	5700	5900
SDM-5225B	2500	875			12550	5700	5900
SDM-5228	2800	895			12550	6050	6500
SDM-5232	3200	895			12550	6450	7000
SDM-5235	3500	895			12550	6735	7400
SDM-6232	3200	975		1.4450(Z:900) 2.5280(Z:1200)	16150	6450	7000
SDM-6235	3500	975			16150	6735	7400
SDM-7232	3200	975			18200	6450	7000
SDM-7235	3500	975			18200	6735	7400

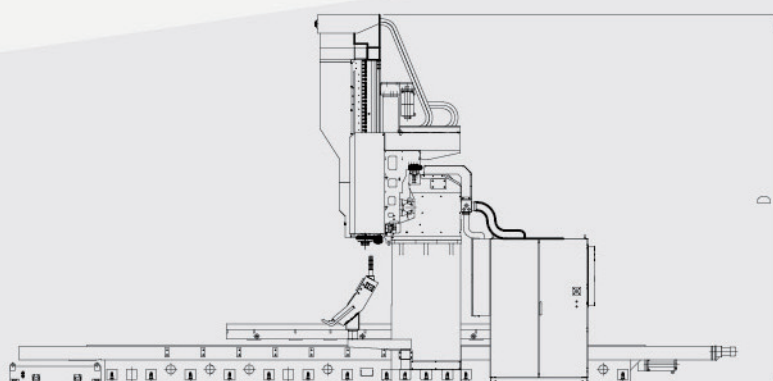
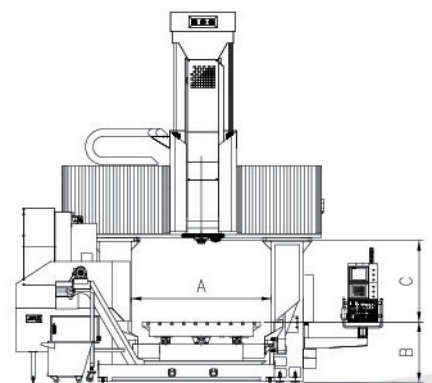
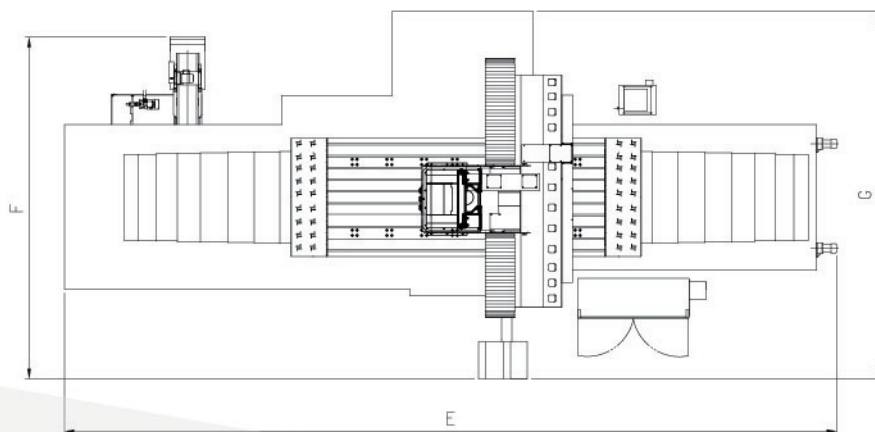
UNIT:mm

Column M/CSSDM Double	A Between Two Columns	B Table to Ground	C Spindle to Table Top	D M/C Height	E M/C Length	F Without ATC	G With ATC
SDL-4220	2000	875	ISO-50 : 270-117mm (Z=900mm) 270-1470mm (Z=1200mm) 270-1670mm (Z=1400mm)	1.5350(Z:900) 2.5650(Z:1200) 3.5950(Z:1400)	11500	4950	5200
SDL-4225	2500	875			11500	5700	5900
SDL-4228	2800	895			11500	6050	6500
SDL-4232	3200	895			11500	6450	7000
SDL-5220	2000	875			13200	4950	5200
SDL-5225	2500	875			13200	5700	5900
SDL-5228	2800	895			13200	6050	6500
SDL-5232	3200	895			13200	6450	7000
SDL-5235	3500	895			13200	6735	7400
SDL-5240	4000	895			13200	7250	7900
SDL-6225	2500	975			17000	5700	5900
SDL-6228	2800	975			17000	6050	6500
SDL-6232	3200	975			17000	6450	7000
SDL-6235	3500	975			17000	6735	7400
SDL-6240	4000	975			17000	7250	7900
SDL-7232	3200	975			18200	6450	7000
SDL-7235	3500	975			18200	6735	7400
SDL-7240	4000	975			18200	7250	7900

SDM series



SDL series



EQUIPTOP



EXCELLENT



FEATURES



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Remarkable enterprise
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Top 10 remarkable innovative
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