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**ROUNDTOP MACHINERY
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JOHNFORD

Whatever you need for milling
and turning we offer the best.

OPTIONAL ACCESSORIES

- Contact tool setting system
- CNC rotary table
- Automatic pallet changer (APC)
- High pressure coolant thru tool tip
- Arm type ATC 24 / 32 tools (No.40 / No.50 / HSK)
- Chain type chip conveyor
- High pressure coolant thru spindle (20 / 30 bar or more)
- Cartridge spindle

Please visit www.machinetools.net.tw and enter **MT047** .
Search **Videos** or **Catalogs** for machine details.

Item	VMC-850	VMC-1050
Table Working Surface	1000 x 500 mm (39.4" x 19.7")	1200 x 500 mm (47.2" x 19.7")
X-Y-Z Travel	800 x 500 x 610 mm (31.5" x 19.7" x 24")	1050 x 500 x 610 mm (41.3" x 19.7" x 24")
Spindle Motor	No.40: 5.5 / 7.5 kW	
X-Y-Z Rapid Traverse	30 / 30 / 20 m/min	
Spindle Taper / No. of Tools	No.40: Armless 24 (Arm Type 24 / 32 Opt.) HSK A63: Armless 24 (Arm Type 24 / 32 Opt.)	
Table Load Capacity	400 kg (880 lb)	
Machine Weight	5500 kg (12100 lb)	6000 kg (13200 lb)
Machine Dimensions (LxWxH)	2350 x 2200 x 2698 mm (92.5" x 86.6" x 106.2")	2920 x 2200 x 2698 mm (115" x 86.6" x 106.2")



VMC-850

VERTICAL MACHINING CENTERS

Item	JET-32
Table Working Surface	1000 x 500 mm (39.4" x 19.7")
X-Y-Z Travel	820 x 500 x 610 mm (32.3" x 19.7" x 24")
Spindle Motor	No.40: 5.5 / 7.5 kW
X-Y-Z Rapid Traverse	40 / 40 / 20 m/min
Spindle Taper / No. of Tools	No.40: Armless 24 (Arm Type 24 / 32 Opt.) HSK A63: Armless 24 (Arm Type 24/32 Opt.)
Table Load Capacity	400 kg (880 lb)
Machine Weight	5000 kg (11000 lb)
Machine Dimensions (LxWxH)	2600 x 2200 x 2760 mm (102.4" x 86.6" x 108.7")

Item	JET-1000
Table Working Surface	1200 x 600 mm (47.2" x 23.6")
X-Y-Z Travel	1020 x 610 x 500 mm (40" x 24" x 19.7")
Spindle Motor	7.5 / 11 kW (Std.); 18 / 23 kW (Opt.)
X-Y-Z Rapid Traverse	24 / 24 / 24 m/min
Spindle Taper / No. of Tools	No.40: Arm Type 24 (32 Opt.) HSK A63: Arm Type 24 (32 Opt.)
Table Load Capacity	800 kg (1760 lb)
Machine Weight	8000 kg (17600 lb)
Machine Dimensions (LxWxH)	3140 x 2912 x 2910 mm (123.6" x 114.6" x 114.6")

Item	SV-33	SV-41
Table Working Surface	1000 x 600 mm (39.4" x 23.6")	1200 x 600 mm (47.2" x 23.6")
X-Y-Z Travel	850 x 610 x 610 mm (33.5" x 24" x 24")	1050 x 610 x 610 mm (41.3" x 24" x 24")
Spindle Motor	No.40: 9 / 11 kW	
X-Y-Z Rapid Traverse	30 / 30 / 20 m/min	
Spindle Taper / No. of Tools	No.40: Armless 24 (Arm Type 24 / 32 Opt.)	
Table Load Capacity	1200 kg (2640 lb)	
Machine Weight	6500 kg (14300 lb)	7000 kg (15400 lb)
Machine Dimensions (LxWxH)	2680 x 3420 x 2888 mm (105.5" x 134.6" x 113.7")	2990 x 3420 x 2888 mm (117.7" x 134.6" x 113.7")

Item	SV-48	SV-48H
Table Working Surface	1300 x 700 mm (51.2" x 27.6")	
X-Y-Z Travel	1220 x 710 x 630 mm (48" x 28" x 24.8")	
Spindle Motor	No.40: 7.5 / 11 kW	No.50: 11 / 15 kW
X-Y-Z Rapid Traverse	24 / 24 / 24 m/min	
Spindle Taper / No. of Tools	No.40: Armless 24 (Arm Type 24 / 32 Opt.) No.50: Armless 20 (Arm Type 24 / 32 Opt.)	
Table Load Capacity	1500 kg (3300 lb)	
Machine Weight	9500 kg (20900 lb)	10000 kg (22000 lb)
Machine Dimensions (LxWxH)	3200 x 3900 x 3090 mm (126" x 153.5" x 122")	



JET-32



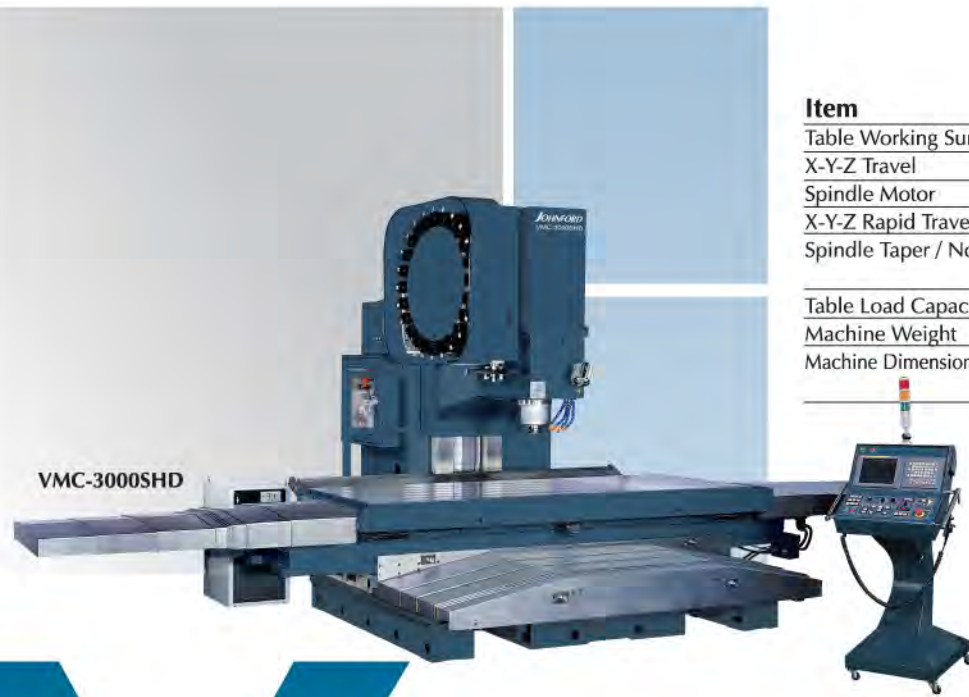
JET-1000



SV-41



SV-48



VMC-3000SHD

Item	VMC-3000S	VMC-3000SHD
Table Working Surface	3200 x 1000 mm (126" x 39.4")	
X-Y-Z Travel	3050 x 1100 x 800 mm (120" x 43.3" x 31.5")	
Spindle Motor	No.40: 7.5 / 11 kW	No. 50: 15 / 18.5 kW
X-Y-Z Rapid Traverse	12 / 12 / 12 m/min	
Spindle Taper / No. of Tools	No.40: Armless 24 (Arm Type 24 / 32 Opt.)	
	No.50: Armless 20 (Arm Type 24 / 32 Opt.)	
Table Load Capacity	4800 kg (10500 lb)	
Machine Weight	23000 kg (50600 lb)	
Machine Dimensions (LxWxH)	7600 x 5330 x 3250 mm (299.2" x 209.8" x 128")	

Item	VMC-2000S	VMC-2000SHD
Table Working Surface	2200 x 1000 mm (86.6" x 39.4")	
X-Y-Z Travel	2050 x 1100 x 800 mm (80.7" x 43.3" x 31.5")	
Spindle Motor	No.40: 7.5 / 11 kW	No.50: 15 / 18.5 kW
X-Y-Z Rapid Traverse	15 / 15 / 12 m/min	
Spindle Taper / No. of Tools	No.40: Armless 24 (Arm Type 24 / 32 Opt.)	
	No.50: Armless 20 (Arm Type 24 / 32 Opt.)	
Table Load Capacity	4800 kg (10560 lb)	
Machine Weight	20000 kg (44000 lb)	
Machine Dimensions (LxWxH)	5500 x 5330 x 3250 mm (216.5" x 209.8" x 128")	



VMC-2000SHD

VERTICAL MACHINING CENTERS

OPTIONAL ACCESSORIES

- Contact / non-contact tool setting system
- CNC rotary table
- Automatic pallet changer (for VMC-1300/HD, 1600/HD)
- High pressure coolant thru tool tip
- Twin ATC (for VMC-1300)
- High pressure coolant thru spindle (20 / 30 bar)
- Chain type chip conveyor



VMC-1300HD

Item	VMC-1300	VMC-1300HD
Table Working Surface	1500 x 750 mm (59" x 29.5")	
X-Y-Z Travel	1300 x 850 x 800 mm (51.2" x 33.5" x 31.5")	1300 x 850 x 710 mm (51.2" x 33.5" x 28")
Spindle Motor	No.40: 7.5 / 11 kW	No.50: 15 / 18.5 kW
X-Y-Z Rapid Traverse	18 / 18 / 12 m/min	
Spindle Taper / No. of Tools	No.40: Armless 24 (Arm Type 24 / 32 Opt.)	
	No.50: Armless 20 (Arm Type 24 / 32 Opt.)	
Table Load Capacity	3270 kg (7194 lb)	
Machine Weight	13500 kg (29700 lb)	
Machine Dimensions (LxWxH)	3800 x 4525 x 3480 mm (149.6" x 178.1" x 137")	

Item	VMC-1600	VMC-1600HD
Table Working Surface	1800 x 750 mm (70.9" x 29.5")	
X-Y-Z Travel	1600 x 850 x 800 mm (63" x 33.5" x 31.5")	1600 x 850 x 710 mm (63" x 33.5" x 28")
Spindle Motor	No.40: 7.5 / 11 kW	No.50: 15 / 18.5 kW
X-Y-Z Rapid Traverse	18 / 18 / 12 m/min	
Spindle Taper / No. of Tools	No.40: Armless 24 (Arm Type 24 / 32 Opt.)	
	No.50: Armless 20 (Arm Type 24 / 32 Opt.)	
Table Load Capacity	4600 kg (10120 lb)	
Machine Weight	17500 kg (38500 lb)	
Machine Dimensions (LxWxH)	4500 x 4525 x 3480 mm (177.2" x 178.1" x 137")	



VMC-1600HD



VMC-1300-2H

Item	VMC-1300-2H
Table Working Surface	1500 x 750 mm (59" x 29.5")
X-Y-Z Travel	1300 x 850 x 710 mm (51" x 33.5" x 28")
Spindle Motor	No.40: 11 / 15 kW
X-Y-Z Rapid Traverse	18 / 18 / 12 m/min
Spindle Taper / No. of Tools	No.40: Armless 24 x 2
Table Load Capacity	3270 kg (7194 lb)
Machine Weight	14000 kg (30800 lb)
Machine Dimensions (LxWxH)	3800 x 4525 x 3200 mm (149.6" x 178.1" x 126")

Item	VMC-1600S	VMC-1600SHD
Table Working Surface	1800 x 1000 mm (70.9" x 39.4")	
X-Y-Z Travel	1600 x 1100 x 800 mm (63" x 43.3" x 31.5")	
Spindle Motor	No.40: 7.5 / 11 kW	No.50: 15 / 18.5 kW
X-Y-Z Rapid Traverse	18 / 18 / 12 m/min	
Spindle Taper / No. of Tools	No.40: Armless 24 (Arm Type 24 / 32 Opt.)	
	No.50: Armless 20 (Arm Type 24 / 32 Opt.)	
Table Load Capacity	4600 kg (10120 lb)	
Machine Weight	18600 kg (40920 lb)	
Machine Dimensions (LxWxH)	4500 x 5330 x 3250 mm (177.2" x 209.8" x 128")	

OPTIONAL ACCESSORIES

- Contact tool setting system
- High pressure coolant tool tip
- High pressure coolant thru spindle
- Linear scale
- Arm type 60, 80, 120 tools ATC
- 6 or 12 pallets (APC)
- Rotary table (0.001")
- Built-in spindle & direct drive spindle

HORIZONTAL AND VERTICAL & HORIZONTAL MACHINING CENTERS

MACHINING CENTERS



HMC-630



VHMC-630

Item	HMC-500	HMC-500H
Table Working Surface	500 x 630 mm (19.7" x 24.8")	
X-Y-Z Travel	762 x 660 x 660 mm (30" x 26" x 26")	
Spindle Motor	7.5 / 11 kW	26 / 30 kW
X-Y-Z Rapid Traverse	40 / 40 / 40 m/min	
Spindle Taper / No. of Tools	BT-40: Arm Type 40 (60 / 80 / 120 Opt.)	BT-50: Arm Type 40 (60 / 80 / 120 Opt.)
Table Load Capacity	550 kg (1210 lb)	
Machine Weight	11500 kg (25300 lb)	
Machine Dimensions (LxWxH)	5725 x 3100 x 3150 mm (225.4" x 122" x 124")	

Item	HMC-630	HMC-630H
Table Working Surface	630 x 800 mm (24.8" x 31.5")	
X-Y-Z Travel	1016 x 813 x 890 mm (40" x 32" x 35")	
Spindle Motor	7.5 / 11 kW	26 / 30 kW
X-Y-Z Rapid Traverse	40 / 40 / 40 m/min	
Spindle Taper / No. of Tools	BT-40: Arm Type 40 (60 / 80 / 120 Opt.)	BT-50: Arm Type 40 (60 / 80 / 120 Opt.)
Table Load Capacity	1200 kg (2640 lb)	
Machine Weight	18000 kg (39600 lb)	
Machine Dimensions (LxWxH)	6345 x 3490 x 3670 mm (249.8" x 137.4" x 144" 5)	

Item	VHMC-630
Table Working Surface	630 x 630 mm (24.8" x 24.8")
X-Y-Z Travel	1000 x 800 x 950 mm (39.4" x 31.5" x 37.4")
Spindle Motor	11 / 15 kW Built-in
X-Y-Z Rapid Traverse	18 / 10 / 18 m/min
Spindle Taper / No. of Tools	No.50: Arm Type 60 (80 / 120 Opt.)
Table Load Capacity	1200 kg (2640 lb)
Machine Weight	21000 kg (46200 lb)
Machine Dimensions (LxWxH)	5305 x 3200 x 3550 mm (208.9" x 125.9" x 139.8")

Item	HMC-800H
Table Working Surface	800 x 1000 mm (31.5" x 39.4")
X-Y-Z Travel	1270 x 1016 x 1016 mm (50" x 40" x 40")
Spindle Motor	No.50: 26 / 30 kW
X-Y-Z Rapid Traverse	24 / 24 / 24 m/min
Spindle Taper / No. of Tools	BT-50: Arm Type 40 (60 / 80 / 120 Opt.)
Table Load Capacity	2000 kg (4400 lb)
Machine Weight	25000 kg (55000 lb)
Machine Dimensions (LxWxH)	8200 x 3800 x 3520 mm (322.8" x 149.6" x 138.6")

Item	HMC-1000H
Table Working Surface	1000 x 1000 mm (39.4" x 39.4")
X-Y-Z Travel	1651 x 1270 x 1220 mm (65" x 50" x 48")
Spindle Motor	No.50: 22 / 26 kW
X-Y-Z Rapid Traverse	24 / 24 / 24 m/min
Spindle Taper / No. of Tools	BT-50: Arm Type 40 (60 / 80 / 120 Opt.)
Table Load Capacity	2500 kg (5500 lb)
Machine Weight	30000 kg (66000 lb)
Machine Dimensions (LxWxH)	9500 x 4850 x 4390 mm (374" x 191" x 172.8")

HORIZONTAL BORING & MILLING CENTERS

MILLING CENTERS

OPTIONAL ACCESSORIES

- Contact tool setting system
- Workpiece measuring system
- High pressure coolant thru spindle (1000 PSI)
- Linear scale
- 90, 120, 180 tools ATC
- Angle plates
- Spindle extension sleeve
- Angle milling head
- Universal milling head
- Facing head with telescopic tool holder
- Coolant thru spindle (300 PSI)

Item	BMC-110
Table Working Surface	1400 x 1600 mm (55" x 63")
X-Y-Z-W Travel	2000 x 1800 x 1600 x 550 mm (78.7" x 70.8" x 63" x 21.7")
Spindle Motor	22 / 26 kW (S1 / S6)
X-Y-Z Rapid Traverse	12 m/min
Spindle Taper / No. of Tools	No.50: 60
Machine Weight	27000 kg (59400 lb)
Machine Dimensions (LxWxH)	6880 x 5600 x 4020 mm (207.9" x 220.5" x 158.3")

Item	BMC-130
Table Working Surface	1800 x 1600 mm (70.9" x 63")
X-Y-Z-W Travel	3000 x 2300 x 1600 x 700 mm (118" x 90.5" x 63" x 27.5")
Spindle Motor	30 / 37 kW (S1 / S6)
X-Y-Z Rapid Traverse	10 m/min
Spindle Taper / No. of Tools	No.50: 60
Machine Weight	33000 kg (72600 lb)
Machine Dimensions (LxWxH)	6950 x 6900 x 5050 mm (273.6" x 271.6" x 198.8")



BMC-110
Order Made



BMC-110



DMC-900H

Item	No. 40 DMC-900 No. 50 DMC-900H
Table Working Surface	1000 x 850 mm (39.4" x 33.5")
X Axis Travel	900 mm (35.43")
Y Axis Travel	900 mm (35.43")
Z Axis Travel	762 mm (30")
Spindle Motor	No.40: 7.5 / 11 kW Auto Hi-Lo Gear (Std.) 17 / 20 kW Built-in (Opt.) No.50: 15 / 18.5 kW Auto Hi-Lo Gear (Std.) 32 / 42 kW Built-in (Opt.)
X-Y-Z Rapid Traverse	24 / 24 / 12 m/min
Spindle Taper / No. of Tools	No.40: Arm Type 24 No.50: Arm Type 24 (32 / 40 Opt.)
Table Load Capacity	3000 kg (6600 lb)
Machine Weight	10000 kg (22000 lb)
Machine Dimensions (LxWxH)	4490 x 3000 x 3750 mm (177" x 118" x 148")

OPTIONAL ACCESSORIES

- Contact tool setting system
- High pressure coolant thru tool tip
- High pressure coolant thru spindle
- Workpiece measuring system
- Linear scale
- 32 / 40 tools ATC or more
- 15000 rpm for HSK A100 built-in spindle
- 15000, 18000, 24000 rpm for HSK A63 built-in spindle
- Electronic compensation of thermal expansion
- External coolant flow of spindle



NC 2-Axis
Milling Head

DOUBLE COLUMN 3-MULTI AXIS MACHINING CENTERS



DMC-3100H

Item	No. 40 DMC-3100 No. 50 DMC-3100H
Table Working Surface	3200 x 1100 mm (130" x 43.3")
X Axis Travel	3050 mm (120")
Y Axis Travel	1300 mm (51.2")
Z Axis Travel	800 mm (31.5")
Spindle Motor	No.40: 7.5 / 11 kW Auto Hi-Lo Gear (Std.) 17 / 20 kW Built-in (Opt.) No.50: 15 / 18.5 kW Auto Hi-Lo Gear (Std.) 32 / 42 kW Built-in (Opt.)
X-Y-Z Rapid Traverse	15 / 15 / 12 m/min
Spindle Taper / No. of Tools	No.40: Arm Type 24 No.50: Arm Type 24 (32 / 40 Opt.)
Table Load Capacity	6000 kg (13200 lb)
Machine Weight	26800 kg (59000 lb)
Machine Dimensions (LxWxH)	8465 x 3300 x 3800 mm (333" x 130" x 149.6")

Item	No. 40 DMC-2600S No. 50 DMC-2600SH
Table Working Surface	2700 x 1500 mm (106.2" x 59")
X Axis Travel	2600 mm (102.4")
Y Axis Travel	1778 mm (70")
Z Axis Travel	800 mm (31.5")
Spindle Motor	No.40: 7.5 / 11 kW Auto Hi-Lo Gear (Std.) 17 / 20 kW (for 15000, 18000 rpm) 18 / 23 kW (for 24000 rpm) Built-in (Opt.) No.50: 22 / 26 kW Auto Hi-Lo Gear (Std.) 32 / 42 kW Built-in (Opt.)
X-Y-Z Rapid Traverse	12 / 12 / 12 m/min
Spindle Taper / No. of Tools	No.40: Arm Type 24 (32 / 40 Opt.) No.50: Arm Type 24 (32 / 40 Opt.)
Table Load Capacity	10000 kg (22000 lb)
Machine Weight	31200 kg (68640 lb)
Machine Dimensions (LxWxH)	7585 x 4065 x 3800 mm (298.6" x 160" x 150")



S Series
DMC-2600S



P Series
DMC-4100PH

Item	No. 40 DMC-1200 No. 50 DMC-1200H	DMC-1500 DMC-1500H	DMC-1600 DMC-1600H	DMC-2100 DMC-2100H
Table Working Surface	1300 x 850 mm (51.2" x 33.5")	1600 x 850 mm (63" x 33.5")	1700 x 1100 mm (66.9" x 43.3")	2200 x 1100 mm (86.6" x 43.3")
X Axis Travel	1200 mm (47.2")	1500 mm (59.1")	1600 mm (63")	2050 mm (80.7")
Y Axis Travel	900 mm (35.43")	900 mm (35.43")	1300 mm (51.2")	1300 mm (51.2")
Z Axis Travel	762 mm (30")	762 mm (30")	800 mm (31.5")	800 mm (31.5")
Spindle Motor	No.40: 7.5 / 11 kW Auto Hi-Lo Gear (Std.) 17 / 20 kW Built-in (Opt.) No.50: 15 / 18.5 kW Auto Hi-Lo Gear (Std.) 32 / 42 kW Built-in (Opt.)			
X-Y-Z Rapid Traverse	24 / 24 / 12 m/min		15 / 15 / 12 m/min	
Spindle Taper / No. of Tools	No.40: Arm Type 24 No.50: Arm Type 24 (32 / 40 Opt.)			
Table Load Capacity	3800 kg (8360 lb)	4600 kg (10120 lb)	6000 kg (13200 lb)	
Machine Weight	12000 kg (26400 lb)	15000 kg (33000 lb)	20400 kg (45000 lb)	23600 kg (52000 lb)
Machine Dimensions (LxWxH)	4735 x 3000 x 3750 mm (186" x 118" x 148")	4980 x 3000 x 3750 mm (196" x 118" x 148")	5540 x 3300 x 3800 mm (218" x 130" x 149.6")	6465 x 3300 x 3800 mm (255" x 130" x 149.6")

Item	No. 40 DMC-2100S No. 50 DMC-2100SH	DMC-3100S DMC-3100SH	DMC-4100S DMC-4100SH	DMC-3100P DMC-3100PH	DMC-4100P DMC-4100PH
Table Working Surface	2200 x 1500 mm (86.6" x 59")	3200 x 1500 mm (126" x 59")	4200 x 1500 mm (165.4" x 59")	3200 x 2050 mm (126" x 80.7")	4200 x 2050 mm (165.3" x 80.7")
X Axis Travel	2100 mm (82.7")	3100 mm (122")	4100 mm (161.4")	3100 mm (122")	4100 mm (161.4")
Y Axis Travel	1778 mm (70")			2300 mm (90.5")	
Z Axis Travel	800 mm (31.5")			800 mm (31.5")	
Spindle Motor	No.40: 7.5 / 11 kW Auto Hi-Lo Gear (Std.) 17 / 20 kW (for 15000, 18000 rpm) ; 18 / 23 kW (for 24000 rpm) Built-in (Opt.) No.50: 22 / 26 kW Auto Hi-Lo Gear (Std.) 32 / 42 kW Built-in (Opt.)				
X-Y-Z Rapid Traverse	12 / 12 / 12 m/min				
Spindle Taper / No. of Tools	No.40: Arm Type 24 (32 / 40 Opt.) No.50: Arm Type 24 (32 / 40 Opt.)				
Table Load Capacity	10000 kg (22000 lb)				
Machine Weight	29600 kg (65120 lb)	32800 kg (72160 lb)	37500 kg (82500 lb)	35000 kg (77000 lb)	41000 kg (90200 lb)
Machine Dimensions (LxWxH)	6585 x 4065 x 3800 mm (259.3" x 160" x 150")	8585 x 4065 x 3800 mm (338" x 160" x 150")	11100 x 4070 x 3890 mm (437" x 160.2" x 153")	8641 x 4470 x 3940 mm (340.2" x 176" x 155.1")	10841 x 4470 x 3940 mm (426.8" x 176" x 155.1")



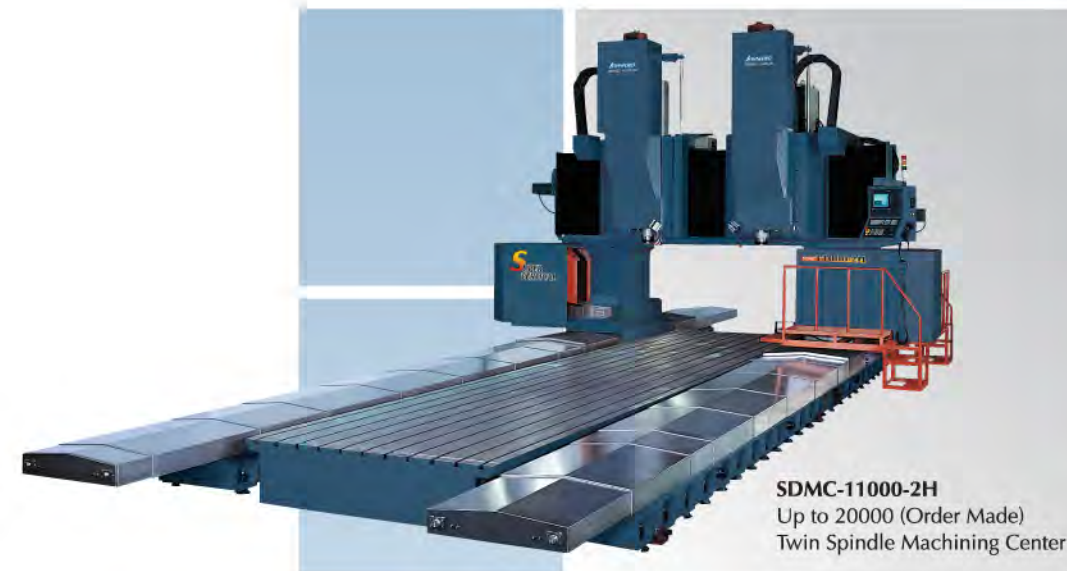
DMC-4000
5-Face Machining Center



5-Face



NC 2-Axis
Milling Head



SDMC-11000-2H
Up to 20000 (Order Made)
Twin Spindle Machining Center

DOUBLE (FIXED/MOVING) COLUMN (MULTI-AXIS / 5-FACE) MACHINING CENTERS

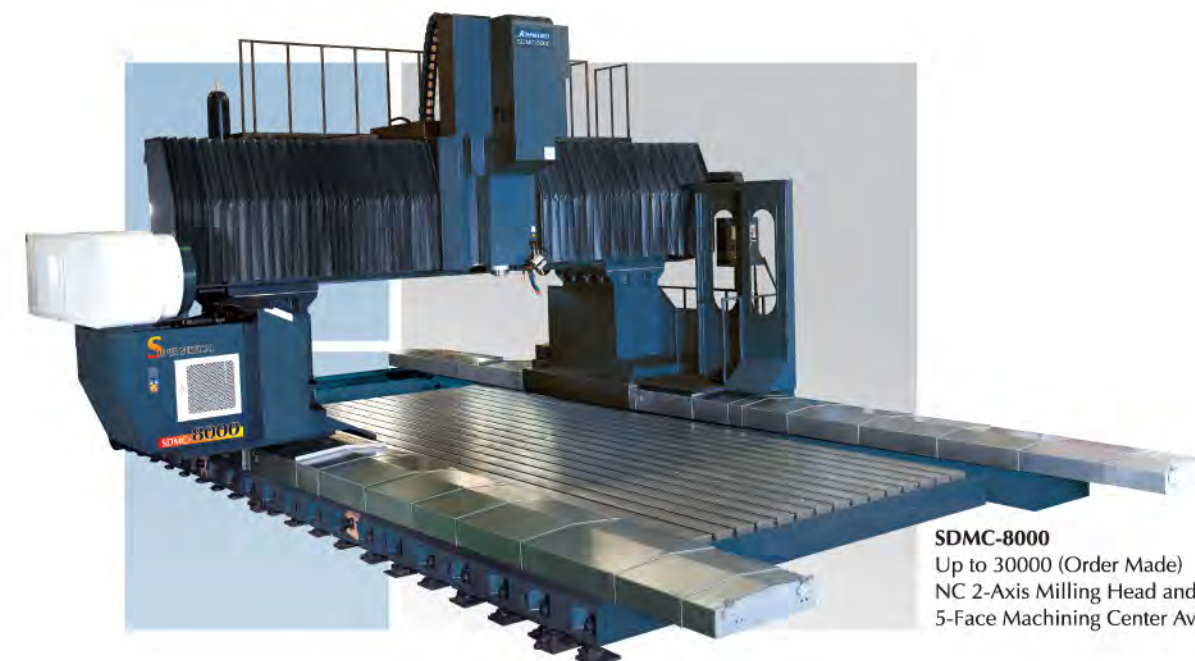
OPTIONAL ACCESSORIES

- Contact tool setting system
- High pressure coolant thru tool tip
- High pressure coolant thru spindle
- 60, 80, 120 tools
- Workpiece measuring system
- Z-axis travel 1066 mm
- 5-face head
- NC 2-axis milling head
- Twin spindle-2H
- Linear scale



DMC-4000
NC 2-Axis milling head and 5-Face
Machining Center Available

Item	DMC-4000
Table Working Surface	4200 x 2200 mm (165.3" x 86.6")
X Axis Travel	4000 mm (157.4")
Y Axis Travel	2800 mm (110.2")
Z Axis Travel	800 mm (31.5") Std. ; 1066 mm (42") Opt.
Spindle Motor	22 / 26 kW
X-Y-Z Rapid Traverse	12 / 12 / 10 m/min
Spindle Taper / No. of Tools	No.50: Arm Type 40 (60 / 80 / 120 Opt.)
Table Load Capacity	20000 kg (44000 lb)
Machine Weight	64200 kg (141400 lb)
Machine Dimensions (LxWxH)	10900 x 5680 x 4850 mm (429" x 223.6" x 191")



SDMC-8000
Up to 30000 (Order Made)
NC 2-Axis Milling Head and
5-Face Machining Center Available

Item	DMC-4000(AC4)	DMC-4000(AC5)	DMC-4000(5F)
Table Working Surface	4200 x 2200 mm (165.3" x 86.6")		
X Axis Travel	4000 mm (157.4")		
Y Axis Travel	3600 mm (141.7")		
Z Axis Travel	1066 mm (42")		
Spindle Motor	21 / 24 kW	30 / 36 kW	22 / 26 kW
X-Y-Z Rapid Traverse	12 / 12 / 10 m/min		
Spindle Taper / No. of Tools	No.40 / No.50: 40 tools (60 / 80 / 120 Opt.)		No.50: Arm Type 40 (60 / 80 / 120 Opt.)
Table Load Capacity	20000 kg (44000 lb)		
Machine Weight	71000 kg (156400 lb)	74000 kg (162800 lb)	
Machine Dimensions (LxWxH)	10900 x 6500 x 6280 mm (429" x 256" x 247.2")	10900 x 6500 x 6500 mm (429" x 256" x 256")	10900 x 7400 x 5800 mm (429" x 291.3" x 228.3")

Item	SDMC-6000
Table Working Surface	6000 x 2200 mm (236.2" x 86.6")
X Axis Travel	6000 mm (236.2")
Y Axis Travel	2800 mm (110.2")
Z Axis Travel	800 mm (31.5") Std. ; 1066 mm (42") Opt.
Spindle Motor	22 / 26 kW
X-Y-Z Rapid Traverse	10 / 10 / 10 m/min
Spindle Taper / No. of Tools	No.50: Arm Type 40 (60 / 80 / 120 Opt.)
Table Load Capacity	3000 kg/m ² (614 lb/ft ²)
Machine Weight	65000 kg (143000 lb)
Machine Dimensions (LxWxH)	11200 x 6000 x 4531 mm (441" x 236.2" x 178.3")



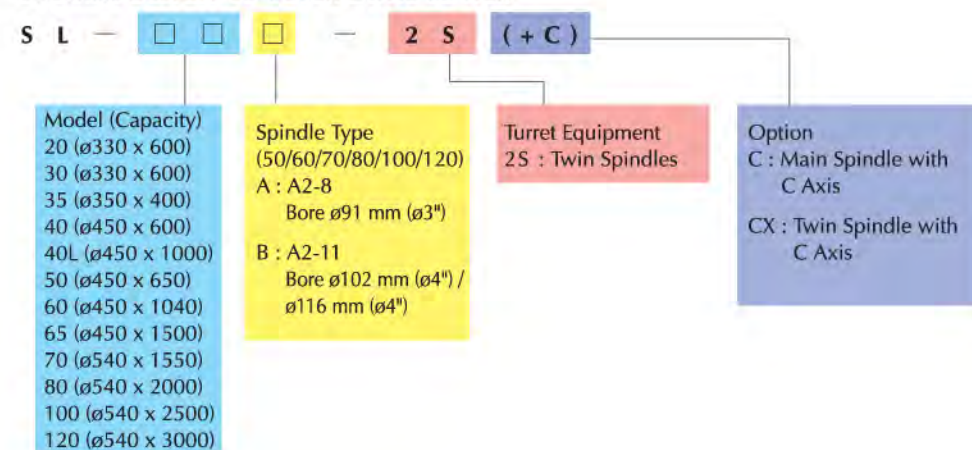
Item	SL-20	SL-30
Swing Over Cross Slide	330 mm (13")	
Spindle Bore / Spindle Nose	55 mm / A2-5	65 mm / A2-6
Spindle Motor	5.5 / 7.5 kW	11 / 15 kW
Spindle Speed Steps	One Step	
No. of Tools	12	
Rapid Traverse	X: 24 / Z: 24 m/min	
Machine Weight	3800 kg (8360 lb)	4000 kg (8800 lb)
Machine Dimensions (WxHxL)	1851 x 1862 x 3525 mm (72.9" x 73.3" x 138.8")	

Item	SL-35
Swing Over Cross Slide	350 mm (13.8")
Spindle Bore / Spindle Nose	65 mm / A2-6
Spindle Motor	11 / 15 kW
Spindle Speed Steps	One Step
No. of Tools	12
Rapid Traverse	X: 24 / Y: 10 / Z: 24 m/min
Machine Weight	4200 kg (9240 lb)
Machine Dimensions (WxHxL)	1552 x 1710 x 3680 mm (61.1" x 67.3" x 144.9")



S SLANT-BED CNC LATHES

SL SERIES DESIGN SL=SUPER LATHE CENTER



Item	SL-40	SL-40L
Swing Over Cross Slide	450 mm (17.7")	
Spindle Bore / Spindle Nose	86 mm / A2-8	
Spindle Motor	11 / 15 kW	
Spindle Speed Steps	One Step	
No. of Tools	12	
Rapid Traverse	X: 20 / Y: 10 / Z: 20 m/min	
Machine Weight	4500 kg (9912 lb)	5500 kg (12115 lb)
Machine Dimensions (WxHxL)	1851 x 1862 x 3525 mm (72.9" x 73.3" x 138.8")	1851 x 1862 x 4050 mm (72.9" x 73.3" x 159.4")

Item	SL-50
Swing Over Cross Slide	450 mm (17.7")
Spindle Bore / Spindle Nose	86 mm / A2-8
Spindle Motor	15 / 18.5 kW
Spindle Speed Steps	Auto Hi-Lo
No. of Tools	12
Rapid Traverse	X: 15 / Y: 10 / Z: 18 m/min
Machine Weight	6500 kg (14300 lb)
Machine Dimensions (WxHxL)	2320 x 2060 x 4265 mm (91.3" x 81.1" x 167.9")

Item	SL-50A	SL-50B
Swing Over Cross Slide	450 mm (17.7")	
Spindle Bore / Spindle Nose	115 mm / A2-8	132.5 mm / A2-11
Spindle Motor	22 / 26 kW	
Spindle Speed Steps	Auto Hi-Lo	
No. of Tools	12	
Rapid Traverse	X: 15 / Y: 10 / Z: 18 m/min	
Machine Weight	7000 kg (15400 lb)	7500 kg (16500 lb)
Machine Dimensions (WxHxL)	2320 x 2060 x 4265 mm (91.3" x 81.1" x 167.9")	



Item	SL-35-2S (Sub-spindle)
Swing Over Cross Slide	280mm (11")
Spindle Bore / Spindle Nose	66 mm / A2-6
Spindle Motor	9 / 11 kW
Spindle Speed Steps	One Step
No. of Tools	12
Rapid Traverse	X1: 16 / Z1: 20 / Z2: 24 m/min
Sub-spindle Bar Capacity / Spindle Nose	42 mm / A2-5
Sub-spindle Motor	5.5 / 7.5 kW
Sub-spindle Speed	6000 rpm
Machine Weight	5000 kg (11000 lb)
Machine Dimensions (WxHxL)	1670 x 1750 x 3933 mm (65.7" x 68.9" x 154.8")

Item	SL-50-2S (Sub-spindle)	SL-50A-2S
Swing Over Cross Slide	450 / 380 mm (Y-axis) (17.7" / 15")	
Spindle Bore / Spindle Nose	86 mm / A2-8	115 mm / A2-8 / A2-11 (Opt.)
Spindle Motor	15 / 18.5 kW	22 / 26 kW
Spindle Speed Steps	One Step	Auto Hi-Lo
No. of Tools	12	
Rapid Traverse	X1: 15 / Y: 10 / Z1:18 / Z2: 18 m/min	
Sub-spindle Bar Capacity / Spindle Nose	51 mm / A2-6	
Sub-spindle Motor	11 / 15 kW	
Sub-spindle Speed	4500 rpm	
Machine Weight	6500 kg (14300 lb)	
Machine Dimensions (WxHxL)	2100 x 2120 x 4400 mm (82.6" x 83.5" x 173.2")	2100 x 2120 x 4675 mm (82.6" x 83.5" x 184")

Item	SL-60	SL-65
Swing Over Cross Slide	450 mm (17.7")	
Spindle Bore / Spindle Nose	86 mm / A2-8	
Spindle Motor	15 / 18.5 kW	
Spindle Speed Steps	Auto Hi-Lo	
No. of Tools	12	
Rapid Traverse	X: 15 / Y: 10 / Z: 18 m/min	
Machine Weight	8500 kg (18700 lb)	10500 kg (23100 lb)
Machine Dimensions (WxHxL)	2320 x 2060 x 4645 mm (91.3" x 81.1" x 182.9")	2250 x 2160 x 5275 mm (88.6" x 85" x 207.7")

Item	SL-60-2S Sub-spindle	SL-60A-2S	SL-70A-2S	SL-80A-2S	SL-100A-2S
Swing Over Cross Slide	450 mm (17.7") / 380 mm (15") (Y-axis)		540 mm (21.3")		
Spindle Bore / Spindle Nose	86 mm / A2-8	115 mm / A2-8 ; A2-11 (Opt.)			
Spindle Motor	15 / 18.5 kW	22 / 26 kW			
Spindle Speed Steps	One step	Auto Hi-Lo			
No. of Tools	12				
Rapid Traverse	X1: 15 / Y: 10 / Z1: 18 / Z2: 18 m/min		X1: 12 / Y: 10 / Z1: 15 / Z2: 15 m/min		
Sub-spindle Bar Capacity / Spindle Nose	51 mm / A2-6				
Sub-spindle Motor	11 / 15 kW				
Sub-spindle Speed	4500 rpm				
Machine Weight	7800 kg (17160 lb)		14000 kg (30800 lb)	14500 kg (31900 lb)	15000 kg (33000 lb)
Machine Dimensions (WxHxL)	2100 x 2120 x 5210 mm (82.6" x 83.5" x 205.1")	2100 x 2120 x 5540 mm (82.6" x 83.5" x 218.1")	2520 x 2200 x 5485 mm (99.2" x 86.6" x 215.9")	2520 x 2200 x 5985 mm (99.2" x 86.6" x 235.6")	2520 x 2200 x 6485 mm (99.2" x 86.6" x 255.3")

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SLANT-BED CNC LATHES

SLATHES

Item	SL-60A	SL-65A	SL-70A
Swing Over Cross Slide	450 mm (17.7")		540 mm (21.3")
Spindle Bore / Spindle Nose	115 mm / A2-8 ; A2-11 (Opt.)		
Spindle Motor	22 / 26 kW		
Spindle Speed Steps	Auto Hi-Lo		
No. of Tools	12		
Rapid Traverse	X: 15 / Y: 10 / Z: 18 m/min		X: 12 / Y: 10 / Z: 15 m/min
Machine Weight	9000 kg (19800 lb)	11000 kg (24200 lb)	14000 kg (30800 lb)
Machine Dimensions (WxHxL)	2320 x 2060 x 4645 mm (91.3" x 81.1" x 182.9")	2250 x 2160 x 5275 mm (88.6" x 85" x 207.7")	2430 x 2160 x 5485 mm (95.7" x 85" x 215.9")

Item	SL-60B	SL-65B	SL-70B
Swing Over Cross Slide	450 mm (17.7")		540 mm (21.3")
Spindle Bore / Spindle Nose	132.5 mm / A2-11		
Spindle Motor	22 / 26 kW		
Spindle Speed Steps	Auto Hi-Lo		Auto 4-steps
No. of Tools	12		
Rapid Traverse	X: 15 / Y: 10 / Z: 18 m/min		X: 12 / Y: 10 / Z: 15 m/min
Machine Weight	9500 kg (20900 lb)	11500 kg (25300 lb)	14000 kg (30800 lb)
Machine Dimensions (WxHxL)	2320 x 2060 x 4645 mm (91.3" x 81.1" x 182.9)	2250 x 2160 x 5275 mm (88.6" x 85" x 207.7")	2430 x 2160 x 5485 mm (95.7" x 85" x 215.9")



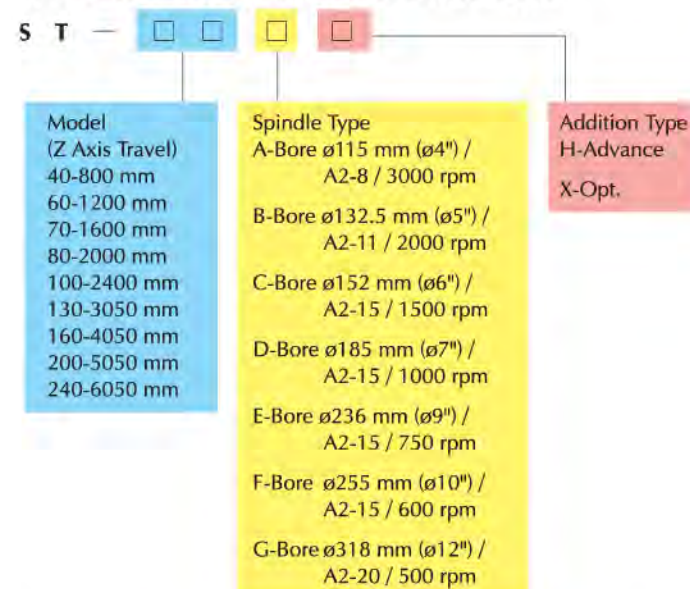
Item	SL-80A	SL-100A	SL-120A
Swing Over Cross Slide	540 mm (21.3")		
Spindle Bore / Spindle Nose	115 mm / A2-8 ; A2-11 (Opt.)		
Spindle Motor	22 / 26 kW		
Spindle Speed Steps	Auto Hi-Lo		
No. of Tools	12		
Rapid Traverse	X: 12 / Y: 10 / Z: 15 m/min		
Machine Weight	15000 kg (33000 lb)	16000 kg (35200 lb)	17000 kg (37400 lb)
Machine Dimensions (WxHxL)	2430 x 2160 x 5985 mm (95.7" x 85" x 235.6")	2430 x 2160 x 6985 mm (95.7" x 85" x 275")	2430 x 2160 x 7485 mm (95.7" x 85" x 294.7")

Item	SL-80B	SL-100B	SL-120B
Swing Over Cross Slide	540 mm (21.3")		
Spindle Bore / Spindle Nose	132.5 mm / A2-11		
Spindle Motor	22 / 26 kW		
Spindle Speed Steps	Auto 4 steps		
No. of Tools	12		
Rapid Traverse	X: 12 / Y: 10 / Z: 15 m/min		
Machine Weight	15000 kg (33000 lb)	16000 kg (35200 lb)	17000 kg (37400 lb)
Machine Dimensions (WxHxL)	2430 x 2160 x 5985 mm (95.7" x 85" x 235.6")	2430 x 2160 x 6985 mm (98.4" x 86.6" x 275")	2430 x 2160 x 7485 mm (95.7" x 85" x 294.7")

OPTIONAL ACCESSORIES

- C-axis (C.S axis without gear box / C.F axis with gear box)
- Touch sensor (manual tool presetter)
- Twin spindle
- Steady rest (manual or auto self-centering)
- Tool holders (VDI type)
- Headstock sheet-metal with dent-area
- Upper washing ramps
- Big bore spindle ø236, ø318, ø360, ø410, ø510 for H, X series

ST SERIES DESIGN ST= SUPER TURNING CENTER



SUPER TURNING CENTERS

LATHES

Item	ST-40A	ST-60A	ST-70A
Swing Over Cross Slide	600 mm (23.6")		
Spindle Bore / Spindle Nose	115 mm / A2-8 ; A2-11 (Opt.)		
Spindle Motor	22 / 26 kW		
Spindle Speed Steps	Auto Hi-Lo		
No. of Tools	12		
Rapid Traverse	X: 15 / Y: 10 / Z: 18 m/min		
Machine Weight	11000 kg (24200 lb)	12000 kg (26400 lb)	13100 kg (28820 lb)
Machine Dimensions (WxHxL)	2270 x 2840 x 5130 mm (89.4" x 111.8" x 202")	2270 x 2840 x 6326 mm (89.4" x 111.8" x 249.1")	2290 x 2840 x 6726 mm (90.2" x 111.8" x 264.8")

Item	ST-40B	ST-60B	ST-70B
Swing Over Cross Slide	600 mm (23.6")		
Spindle Bore / Spindle Nose	132.5 mm / A2-11		
Spindle Motor	22 / 26 kW (Std.) ; 30 / 37 kW (Opt.)		
Spindle Speed Steps	Auto 4 steps		
No. of Tools	12		
Rapid Traverse	X: 15 / Y: 10 / Z: 18 m/min		
Machine Weight	11100 kg (24420 lb)	12100 kg (26620 lb)	13200 kg (29040 lb)
Machine Dimensions (WxHxL)	2270 x 2840 x 5130 mm (89.4" x 111.8" x 202")	2270 x 2840 x 6326 mm (89.4" x 111.8" x 249.1")	2290 x 2840 x 6726 mm (90.2" x 111.8" x 264.8")

Item	ST-40C	ST-60C	ST-70C
Swing Over Cross Slide	600 mm (23.6")		
Spindle Bore / Spindle Nose	152 mm / A2-15		
Spindle Motor	30 / 37 kW (Std.) ; 37 / 45 kW (Opt.)		
Spindle Speed Steps	Auto 4 steps		
No. of Tools	12		
Rapid Traverse	X: 15 / Y: 10 / Z: 18 m/min		
Machine Weight	11150 kg (24530 lb)	13150 kg (28930 lb)	13250 kg (29150 lb)
Machine Dimensions (WxHxL)	2270 x 2840 x 5130 mm (89.4" x 111.8" x 202")	2270 x 2840 x 6326 mm (89.4" x 111.8" x 249.1")	2290 x 2840 x 6726 mm (90.2" x 111.8" x 264.8")

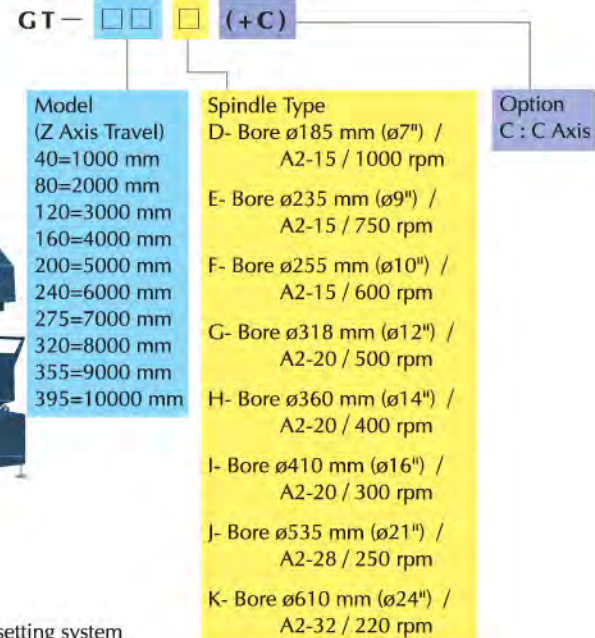
Item	ST-80B	ST-100B	ST-130B	ST-160B	ST-200B	ST-240B
Swing Over Cross Slide	700 mm (27.6")					
Spindle Bore / Spindle Nose	132.5 mm / A2-11					
Spindle Motor	22 / 26 kW (Std.) ; 30 / 37 kW (Opt.)					
Spindle Speed Steps	Auto 4 steps					
No. of Tools	12					
Rapid Traverse	X: 10 / Y: 10 / Z: 12 m/min					
Machine Weight	15000 kg (33000 lb)	16500 kg (36300 lb)	20100 kg (44220 lb)	21100 kg (46420 lb)	23100 kg (50820 lb)	26100 kg (57420 lb)
Machine Dimensions (WxHxL)	2504 x 2895 x 7436 mm (98.6" x 114" x 292.8")	2573 x 3021 x 7866 mm (101.3" x 118.9" x 309.7")	2573 x 3021 x 8666 mm (101.3" x 118.9" x 341.2")	2573 x 3021 x 9144 mm (101.3" x 118.9" x 360")	2613 x 3021 x 11298 mm (102.9" x 118.9" x 444.8")	2642 x 3030 x 11730 mm (104" x 119.3" x 461.8")

Item	ST-80C	ST-100C	ST-130C	ST-160C	ST-200C	ST-240C
Swing Over Cross Slide	700 mm (27.6")					
Spindle Bore / Spindle Nose	152 mm / A2-15					
Spindle Motor	30 / 37 kW (Std.) ; 37 / 45 kW (Opt.)					
Spindle Speed Steps	Auto 4 steps					
No. of Tools	12					
Rapid Traverse	X: 10 / Y: 10 / Z: 12 m/min					
Machine Weight	15300 kg (33660 lb)	16800 kg (36960 lb)	20300 kg (44660 lb)	21200 kg (46640 lb)	23200 kg (51040 lb)	26200 kg (57640 lb)
Machine Dimensions (WxHxL)	2504 x 2895 x 7436 mm (98.6" x 114" x 292.8")	2573 x 3021 x 7866 mm (101.3" x 118.9" x 309.7")	2573 x 3021 x 8666 mm (101.3" x 118.9" x 341.2")	2573 x 3021 x 9144 mm (101.3" x 118.9" x 360")	2613 x 3021 x 11298 mm (102.9" x 118.9" x 444.8")	2642 x 3030 x 11730 mm (104" x 119.3" x 461.8")

Item	ST-80D	ST-100D	ST-130D	ST-160D	ST-200D	ST-240D
Swing Over Cross Slide	700 mm (27.6")					
Spindle Bore / Spindle Nose	185 mm / A2-15					
Spindle Motor	30 / 37 kW (Std.) ; 37 / 45 kW (Opt.)					
Spindle Speed Steps	Auto 4 steps					
No. of Tools	12					
Rapid Traverse	X: 10 / Y: 10 / Z: 12 m/min					
Machine Weight	15500 kg (34100 lb)	17000 kg (37400 lb)	20500 kg (45100 lb)	21500 kg (47300 lb)	23500 kg (51700 lb)	26500 kg (58300 lb)
Machine Dimensions (WxHxL)	2504 x 2895 x 7436 mm (98.6" x 114" x 292.8")	2573 x 3021 x 7866 mm (101.3" x 118.9" x 309.7")	2573 x 3021 x 8666 mm (101.3" x 118.9" x 341.2")	2573 x 3021 x 9144 mm (101.3" x 118.9" x 360")	2613 x 3021 x 11298 mm (102.9" x 118.9" x 444.8")	2642 x 3030 x 11730 mm (104" x 119.3" x 461.8")



GT SERIES DESIGN



OPTIONAL ACCESSORIES

- C-axis (Live tooling)
- Contact tool setting system
- Tool holders (VDI type)
- Twin spindle

G GREAT TURNING CENTERS LATHES

Item	GT-40	GT-80	GT-120	GT-160	GT-200
Swing Over Cross Slide	1270 mm (50")				
Spindle Bore / Spindle Nose	D: 185 mm / E: 235 mm / F: 255 mm / G: 318 mm / H: 360 mm / I: 410 mm / J: 535 mm / K: 610 mm D, E, F: A2-15 / G, H: A2-20 / I, J: A2-28 / K: A2-32				
Spindle Motor	30 / 37 kW				37 / 45 kW
Spindle Speed Steps	Auto 4 steps				
No. of Tools	12				
Rapid Traverse	X: 12 / Z: 15 m/min		X: 10 / Z: 12		X: 10 / Z: 10
Machine Weight	27650 kg (60830 lb)	32600 kg (71720 lb)	36350 kg (79970 lb)	40700 kg (89540 lb)	45050 kg (99110 lb)
Machine Dimensions (WxHxL)	4050 x 4700 x 8900 mm (159.4" x 185" x 350.4")	4050 x 4700 x 9900 mm (159.4" x 185" x 389.8")	4050 x 4700 x 10900 mm (159.4" x 185" x 429.1")	4050 x 4700 x 11900 mm (159.4" x 185" x 468.5")	4050 x 4700 x 12900 mm (159.4" x 185" x 507.9")

Item	GT-240	GT-275	GT-320	GT-355	GT-395
Swing Over Cross Slide	1270 mm (50")				
Spindle Bore / Spindle Nose	D: 185 mm / E: 235 mm / F: 255 mm / G: 318 mm / H: 360 mm / I: 410 mm / J: 535 mm / K: 610 mm D, E, F: A2-15 / G, H: A2-20 / I, J: A2-28 / K: A2-32				
Spindle Motor	37 / 45 kW				
Spindle Speed Steps	Auto 4 steps				
No. of Tools	12				
Rapid Traverse	X: 10 / Z: 10 m/min				
Machine Weight	49400 kg (108680 lb)	53750 kg (118250 lb)	58100 kg (127820 lb)	62450 kg (137390 lb)	66800 kg (146960 lb)
Machine Dimensions (WxHxL)	4050 x 4700 x 13900 mm (159.4" x 185" x 547.2")	4050 x 4700 x 14900 mm (159.4" x 185" x 586.6")	4050 x 4700 x 15900 mm (159.4" x 185" x 626")	4050 x 4700 x 16900 mm (159.4" x 185" x 665.3")	4050 x 4700 x 17900 mm (159.4" x 185" x 704.7")

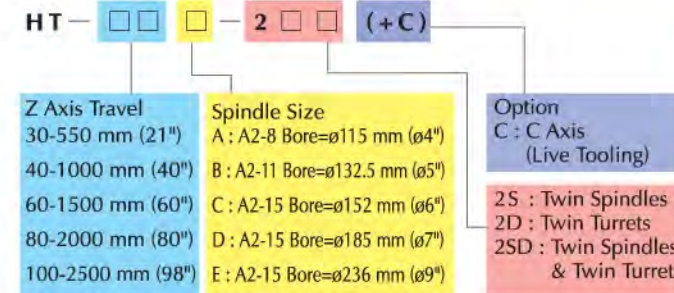


HT-40A-2D
Twin Turrets with Tailstock



HT-40A-2SD
Twin Spindles / Twin Turrets

HT SERIES DESIGN



H Multiple Configurations to Match Any Need HIGH QUALITY TURNING CENTERS LATHES

Item	HT-30-2S	HT-40-2S	HT-60-2S	HT-80-2S	HT-100-2S
Swing Over Cross Slide	300 mm (11.8")	600 mm (23.6")			
Spindle Bore / Spindle Nose	65 mm / A2-6	A: 115 mm / A2-8, B: 132.5 mm / A2-11, C: 152 mm / A2-12 D: 185 mm / A2-15, E: 236 mm / A2-15			
Spindle Motor	11 / 15 kW	A, B: 22 / 26 kW ; C, D, E: 30 / 37 kW			
Spindle Speed Steps	One step	A, B: Auto Hi-Lo / C, D, E: Auto 4-steps			
No. of Tools	12				
Rapid Traverse	X: 15 / W, Z: 18 m/min	X: 12 / W: 10 / Z: 15 m/min			
Machine Weight	7500 kg (16500 lb)	16500~22700 kg (36300~49940 lb)			
Machine Dimensions (WxHxL)	2300 x 2300 x 5100 mm (90.6" x 90.6" x 200.8")	3470 x 2840 x 5200 mm (136.6" x 111.8" x 204.7")	3470 x 2840 x 5600 mm (136.6" x 111.8" x 220.5")	3470 x 2840 x 6000 mm (136.6" x 111.8" x 236.2")	3595 x 2940 x 6600 mm (141.5" x 115.7" x 259.8")

Item	HT-30-2D	HT-40-2D	HT-60-2D	HT-80-2D	HT-100-2D
Swing Over Cross Slide	330 mm (13")	600 mm (23.6")			
Spindle Bore / Spindle Nose	86 mm / A2-8	A: 115 mm / A2-8, B: 132.5 mm / A2-11, C: 152 mm / A2-15 D: 185 mm / A2-15, E: 236 mm / A2-15			
Spindle Motor	15 / 18.5 kW	A, B: 22 / 26 kW ; C, D, E: 30 / 37 kW			
Spindle Speed Steps	One step	A, B: Auto Hi-Lo / C, D, E: Auto 4-steps			
No. of Tools (T1 / T2)	12 / 12				
Rapid Traverse	X: 15 / Z: 18 m/min	X: 12 / Z: 15 m/min			
Machine Weight	7200 kg (15840 lb)	17000~23200 kg (37400~51040 lb)			
Machine Dimensions (WxHxL)	2300 x 2300 x 5100 mm (90.6" x 90.6" x 200.8")	3470 x 2840 x 5200 mm (136.6" x 111.8" x 204.7")	3470 x 2840 x 5600 mm (136.6" x 111.8" x 220.5")	3470 x 2840 x 6000 mm (136.6" x 111.8" x 236.2")	3595 x 2940 x 6600 mm (141.5" x 115.7" x 259.8")

Item	HT-30-2SD	HT-40-2SD	HT-60-2SD	HT-80-2SD	HT-100-2SD
Swing Over Cross Slide	330 mm (13")	600 mm (23.6")			
Spindle Bore / Spindle Nose	65 mm / A2-6	A: 115 mm / A2-8, B: 132.5 mm / A2-11, C: 152 mm / A2-15 D: 185 mm / A2-15, E: 236 mm / A2-15			
Spindle Motor	11 / 15 kW	A, B: 22 / 26 kW ; C, D, E: 30 / 37 kW			
Spindle Speed Steps	One step	A, B: Auto Hi-Lo / C, D, E: Auto 4-steps			
No. of Tools (T1 / T2)	12 / 12				
Rapid Traverse	X: 15 / W, Z: 18 m/min	X: 12 / W: 10 / Z: 15 m/min			
Machine Weight	7500 kg (16500 lb)	18000~24200 kg (39600~53240 lb)			
Machine Dimensions (WxHxL)	2300 x 2300 x 5100 mm (90.6" x 90.6" x 200.8")	3470 x 2840 x 5200 mm (136.6" x 111.8" x 204.7")	3470 x 2840 x 5600 mm (136.6" x 111.8" x 220.5")	3470 x 2840 x 6000 mm (136.6" x 111.8" x 236.2")	3595 x 2940 x 6600 mm (141.5" x 115.7" x 259.8")

OPTIONAL ACCESSORIES

- Contact tool setting system (Renishaw TS20 or BULM NT-A2 / NT-A3)
- Tool holders (VDI)
- Automatic pallet changer (A.P.C.)
- C-axis
- Hydraulic chuck 3, 4, 5, 6 jaws
- High pressure coolant through spindle
- X / Z axis linear scale
- Oil skimmer

Item	VTC-1000ATC
Max. Turning Diameter	1200 mm (47.2")
Max. Turning Height	800 mm (31.5")
Spindle Motor	30 / 37 kW (37 / 45 kW Opt.)
Spindle Steps	Auto Hi-Lo
Cross Travel (X Axis)	970 mm (38.2")
Vertical Travel (Z Axis)	900 mm (35.4")
No. of Tools	ATC type: 12 (Std.) / 16, 24, 40, 60 (Opt.)
Rapid Traverse (X / Z Axis)	12 / 10 m/min
Machine Weight	25000 kg (55000 lb)
Machine Dimensions (LxWxH)	4700 x 5500 x 5430 mm (185" x 216.5" x 213.8")



VTC-1000ATC

VERTICAL TURNING CENTERS LATHES



VTC-650

Item	VTC-650
Max. Turning Diameter	650 mm (25.6")
Max. Turning Height	720 mm (28.3") / 900 mm (35.4" Opt.)
Spindle Motor	22 / 26 kW ; 30 / 37 kW (Opt.)
Spindle Speed, Step(s)	3000 (A2-8) rpm Auto Hi-Lo 20-1700 (A2-11) rpm Auto Hi-Lo (Opt.)
Cross Travel (X Axis)	420 mm (16.5")
Vertical Travel (Z Axis)	720 mm (28.3") / 900 mm (35.4" Opt.)
No. of Tools	Double Turret: 12
Rapid Traverse (X / Z Axis)	12 / 20 m/min
Machine Weight	11400 kg (25080 lb)
Machine Dimensions (LxWxH)	3600 x 2500 x 3720 mm (141.7" x 98.4" x 146.5")

Item	VTC-1200ATC	VTC-1600ATC
Max. Turning Diameter	1600 mm (63")	2000 mm (78.7")
Max. Turning Height	1250 mm (49.2")	
Spindle Motor	37 / 45 kW (45 / 55 kW Opt.)	
Spindle Step(s)	Auto Hi-Lo	
Cross Travel (X Axis)	1170 mm (46")	1370 mm (53.9")
Vertical Travel (Z Axis)	900 mm (35.4")	
No. of Tools	ATC Type 12 (Std.) / 16, 24, 40, 60 (Opt.)	
Rapid Traverse (X / Z Axis)	12 / 10 m/min	
Machine Weight	30000 kg (66000 lb)	33000 kg (72600 lb)
Machine Dimensions (LxWxH)	5000 x 5500 x 5815 mm (196.9" x 216.5" x 228.9")	5400 x 5725 x 5815 mm (212.6" x 225.4" x 228.9")



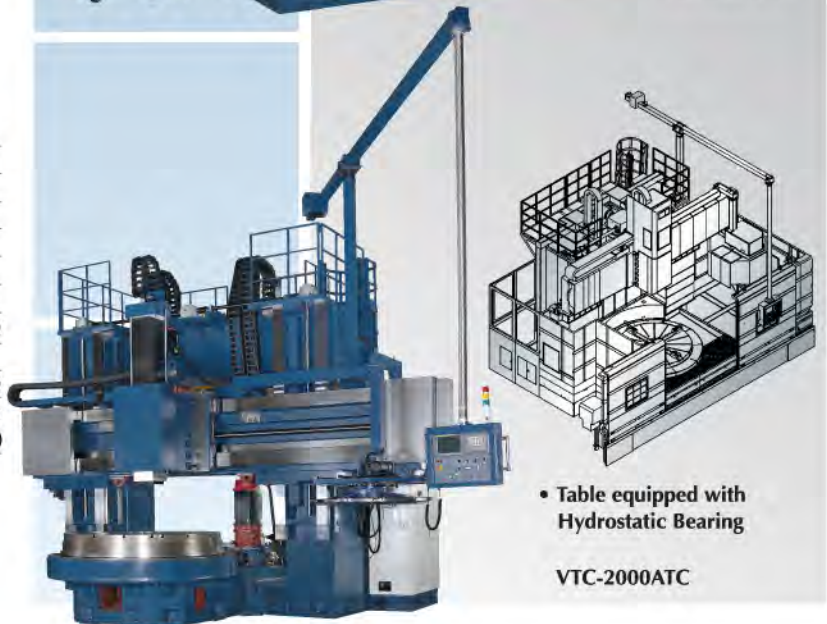
VTC-1600ATC



VTC-800ATC+APC

Item	VTC-800ATC
Max. Turning Diameter	1000 mm (39.4")
Max. Turning Height	800 mm (31.5")
Spindle Motor	18.5 / 22 kW (22 / 26 kW Opt.)
Spindle Steps	Auto Hi-Lo
Cross Travel (X Axis)	870 mm (34.3")
Vertical Travel (Z Axis)	900 mm (35.4")
No. of Tools	ATC type: 12 (Std.) / 16, 24, 40, 60 (Opt.)
Rapid Traverse (X / Z Axis)	12 / 10 m/min
Machine Weight	22000 kg (48400 lb)
Machine Dimensions (LxWxH)	4500 x 5500 x 5430 mm (177.2" x 216.5" x 213.8")

Item	VTC-2000ATC	VTC-2500ATC
Max. Turning Diameter	2500 mm (98.4")	3000 mm (118.1")
Max. Turning Height	1600 mm (63")	
Spindle Motor	45 / 55 kW (60 / 75 kW Opt.)	
Spindle Steps	Auto Hi-Lo	
Cross Travel (X Axis)	1685 mm (66.3")	1935 mm (76.2")
Vertical Travel (Z Axis)	1000 mm (39.4")	
No. of Tools	ATC type: 12 (Std.) / 16, 24, 40, 60 (Opt.)	
Rapid Traverse (X / Z Axis)	12 / 10 m/min	
Machine Weight	72000 kg (158400 lb)	78000 kg (171600 lb)
Machine Dimensions (LxWxH)	8500 x 6500 x 6900 mm (335" x 256" x 272")	9200 x 6500 x 6900 mm (362" x 256" x 272")



- Table equipped with Hydrostatic Bearing

VTC-2000ATC

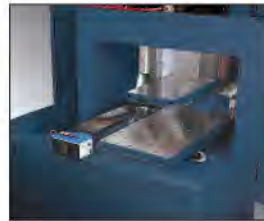


VMC-850 + APC

APC Specifications		
Item	VMC-850	VMC-1050
Pallet Size (LxW)	860 x 450 mm (33.8" x 17.7")	1220 x 500 mm (48" x 19.6")
Max. Pallet Load	300 kg (660 lb)	400 kg (880 lb)
T-Slot	18 mm (0.7")	
Hydraulic Clamping Force	6800 kg (14960 lb)	7000 kg (15400 lb)
Pallet Change Time	15 sec	
Machine Dimensions (LxWxH)	4170 x 2205 x 2873 mm (164.2" x 86.8" x 113")	4515 x 2205 x 2873 mm (177.8" x 86.8" x 113")

APC Specifications		
Item	JET-32	
Pallet Size (LxW)	860 x 450 mm (33.8" x 17.7")	
Max. Pallet Load	400 kg (880 lb)	
T-Slot	18 mm (0.7")	
Hydraulic Clamping Force	5000 kg (11000 lb)	
Pallet Change Time	15 sec	
Machine Dimensions (LxWxH)	4205 x 2230 x 2920 mm (165.6" x 87.8" x 115")	

Chain Type
(Patented)



AUTOMATIC PALLET CHANGER

MACHINING CENTERS



SV-41 + APC

APC Specifications		
Item	SV-33	SV-41
Pallet Size (LxW)	1000 x 600 mm (39.3" x 23.6")	1200 x 600 mm (47.2" x 23.6")
Max. Pallet Load	600 kg (1320 lb)	1200 kg (27500 lb)
T-Slot	18 mm (0.7")	
Hydraulic Clamping Force	12000 kg (26400 lb)	12500 kg (27500 lb)
Pallet Change Time	15 sec	
Machine Dimensions (LxWxH)	4460 x 3400 x 2990 mm (175.6" x 133.9" x 117.7")	4820 x 3440 x 2990 mm (189.8" x 135.4" x 117.7")

APC Specifications		
Item	VMC-1300	VMC-1600
Pallet Size (LxW)	1400 x 710mm (55.1" x 27.9")	1700 x 750 mm (66.9" x 29.5")
Max. Pallet Load	800 kg (1760 lb)	900 kg (1980 lb)
T-Slot	18 mm (0.7")	
Hydraulic Clamping Force	6000 kg (13200 lb)	9000 kg (19800 lb)
Pallet Change Time	15 sec	
Machine Dimensions (LxWxH)	5135 x 3545 x 3890 mm (202.2" x 139.6" x 153.1")	6100 x 3545 x 3665 mm (240.2" x 139.6" x 144.3")



VMC-1600HD + APC

APC Specifications	
Item	VTC-650
Max. Pallet Load	500 kg (1100 lb)
No. of Pallet Stations	2
Pallet Change Time	8 sec
Machine Weight	11400 kg (25080 lb)
Machine Dimensions (LxWxH)	3600 x 2500 x 3720 mm (141.7" x 98.4" x 146.5")

APC Specifications	
Item	VTC-880
Max. Pallet Load	2000 kg (4400 lb)
No. of Pallet Stations	2
Pallet Change Time	12 sec
Machine Weight	20000 kg (44000 lb)
Machine Dimensions (LxWxH)	4300 x 5000 x 4000 mm (169.3" x 196.8" x 157.5")



VTC-650
Twin Turret & APC

VTC-880+C
Twin ATC & APC (C-Axis)

FLAT-BED CNC LATHES & CNC SCREW CUTTING MACHINE LATHES

Item	SCM-3000	SCM-4000
Cross Travel (X Axis)	230 mm (9.1")	
Longitudinal Travel (Z Axis)	3000 mm (118.1")	4000 mm (157.5")
Spindle Motor	7.5 / 11 kW	
Spindle Taper	NT-50	
Spindle Speed	60-1500 rpm	
Machine Weight	10440 kg (22968 lb)	11470 kg (25234 lb)
Rapid Traverse	X: 10 m/min ; Z: 6 m/min	
Machine Dimensions (WxHxL)	2325 x 2080 x 5670 mm (91.5" x 81.9" x 223.2")	2325 x 2080 x 6670 mm (91.5" x 81.9" x 262.6")

Item	SCM-5000	SCM-6000	SCM-7000
Cross Travel (X Axis)	230 mm (9.1")		
Longitudinal Travel (Z Axis)	5000 mm (196.9")	6000 mm (236.2")	7000 mm (275.6")
Spindle Motor	7.5 / 11 kW		
Spindle Taper	NT-50		
Spindle Speed	60-1500 rpm		
Machine Weight	12500 kg (27500 lb)	13530 kg (29766 lb)	14560 kg (32032 lb)
Rapid Traverse	X: 10 m/min ; Z: 6 m/min		
Machine Dimensions (WxHxL)	2325 x 2080 x 7670 mm (91.5" x 81.9" x 302")	2325 x 2080 x 8670 mm (91.5" x 81.9" x 341.3")	2325 x 2080 x 9670 mm (91.5" x 81.9" x 380.7")



LC-60240E

Item	LC-40 series	LC-50 series	LC-60 series	LC-70 series	LC-80 series	LC-90 series
Distance Between Centers	2000 - 20000 mm					
Swing Over Cross Slide	640 mm (25.2")	910 mm (35.8")	1100 mm (43.3")	1320 mm (51.9")	1580 mm (62.2")	1840 mm (72.4")
Spindle Speed, Step(s)	Auto 4 steps					
Spindle Motor	22 / 26 kW (30 / 37 kW Opt.)		30 / 37 kW (37 / 45 kW Opt.)			
Spindle Bore	B: ø132.5 / C: ø152 / D: ø185 / E: ø235 / F: ø255 / G: ø318 / H: ø360 / I: ø410 / J: ø535 / K: ø610 mm					
No. of Tools	4 / 6 / 8 / 12 Position, or Twin Turret (Opt.)					
Rapid Traverse	X: 6 ; Z: 8 m/min					