

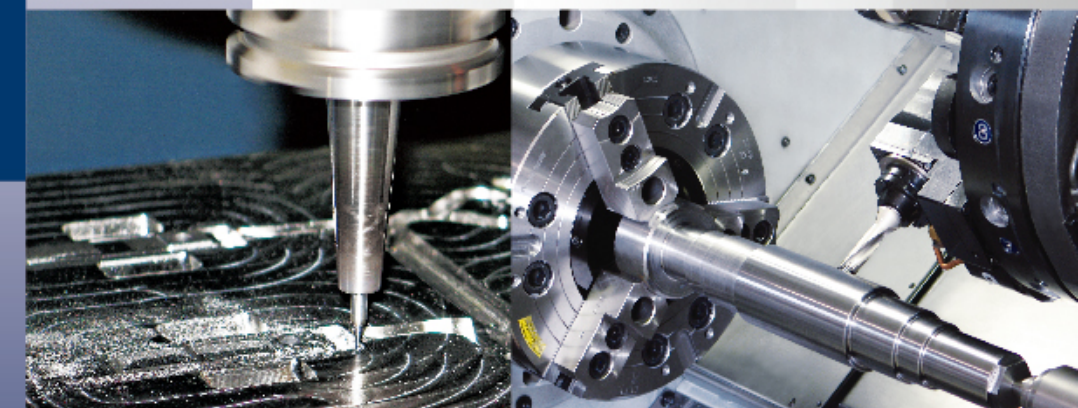


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**ROUNDTOP MACHINERY
INDUSTRIES CO., LTD.**

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JOHN FORD

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
- High-speed built-in spindle
- Direct driving spindle
- 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
- Electronic compensation of thermal expansion

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.); 17 / 21 kW (Opt.)
X-Y-Z Rapid Traverse	40 / 40 / 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	40 / 40 / 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



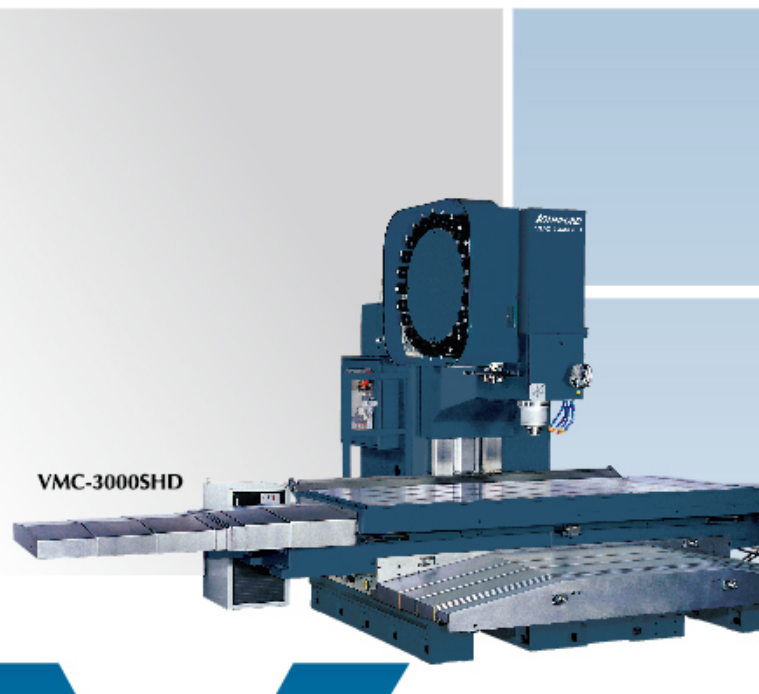
JET-1000



SV-41



SV-48



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)	7700 x 5330 x 3675 mm (303" x 209.8" x 145")	



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 3675 mm (216.5" x 209.8" x 145")	



VMC-2000SHD

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

VERTICAL MACHINING CENTERS



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 3560 mm (149.6" x 178.1" x 140.2")	

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 3560 mm (177.2" x 178.1" x 140.2")	



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 3220 mm (149.6" x 178.1" x 127")

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 3675 mm (177.2" x 209.8" x 145")	

OPTIONAL ACCESSORIES

- Contact tool setting system
- High pressure coolant thru tool tip
- High pressure coolant thru spindle
- Linear scale
- Workpiece measuring system(Renishaw OMP-60 or BULM TC-50)
- 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



HMC-630



VHM-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	VHM-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 800 mm (31.4" x 31.4")
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)	7050 x 5200 x 3710 mm (277.5" x 204.7" x 146")

Item	HMC-1000H
Table Working Surface	1000 x 1000 mm (39.3" x 39.3")
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
- 80, 120 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")
Table Load Capacity	7000 kg (15400 lb)
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(Cont./30min)	22 / 26 kW
X-Y-Z-W Rapid Traverse	12-12-12-6 m/min
Spindle Taper / No. of Tools	No.50: 60
Machine Weight	27000 kg (59400 lb)
Machine Dimensions (LxWxH)	7100 x 6200 x 3850 mm (279.5" x 244.1" x 151.6")

Item	BMC-130	BMC-160
Table Working Surface	1800 x 1600 mm (70.9" x 63")	2000 x 2500 mm (78.7" x 98.4")
Table Load Capacity	15000 kg (33000 lb)	25000 kg (55000 lb)
X-Y-Z-W Travel	3000 x 2300 x 1600 x 700 mm (118" x 90.5" x 63" x 27.5")	4000 x 3000 x 1600 x 700 mm (157.4" x 118.1" x 63" x 27.5")
Spindle Motor(Cont./30min)	30 / 37 kW	
X-Y-Z-W Rapid Traverse	12-12-12-6 m/min	
Spindle Taper / No. of Tools	No.50: 60	
Machine Weight	33000 kg (72600 lb)	50000 kg (110000 lb)
Machine Dimensions (LxWxH)	7370 x 7600 x 4675 mm (290.2" x 299.2" x 184.1")	9600 x 11600 x 6000 mm (378" x 456.7" x 236.2")



BMC-110 / BMC-130



BMC-160



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.) 26 / 31 or 31 / 40 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 (Renishaw TS-27R)
- High pressure coolant thru tool tip
- High pressure coolant thru spindle
- Workpiece measuring system
- Linear scale
- 32 / 40 tools ATC
- 10000 rpm for HSK A100 built-in spindle
- 15000, 18000, 20000 rpm for HSK A63 built-in spindle
- 2-axis NC milling head
- External coolant flow of spindle (tool edge)



2-Axis NC
Milling Head

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, 20000 rpm) Built-in (Opt.) No.50: 22 / 26 kW Auto Hi-Lo Gear (Std.) 26 / 31 or 31 / 40 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	24400 kg (53745 lb)
Machine Dimensions (LxWxH)	7633 x 4065 x 3883 mm (300.5" x 160" x 152.9")

DOUBLE COLUMN 3-MULTI AXIS MACHINING CENTERS



DMC-2100H

Item	No. 40 DMC-3100 No. 50 DMC-3100H	DMC-4100 DMC-4100H
Table Working Surface	3200 x 1100 mm (130" x 43.3")	4200 x 1150 mm (165.3" x 45.3")
X Axis Travel	3050 mm (120")	4100 mm (161.4")
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.) 26 / 31 or 31 / 40 kW Built-in (Opt.)	
X-Y-Z Rapid Traverse	12 / 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)	30100 kg (66370 lb)
Machine Dimensions (LxWxH)	8515 x 3300 x 3800 mm (335" x 130" x 149.6")	10850 x 3515 x 3880 mm (427" x 138.4" x 152.7")

Item	DMC-3100P DMC-3100PH	DMC-4100P DMC-4100PH
Table Working Surface	3200 x 2050 mm (126" x 80.7")	4200 x 2050 mm (165.3" x 80.7")
X Axis Travel	3100 mm (122")	4100 mm (161.4")
Y Axis Travel	2300 mm (90.5")	
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, 20000 rpm) Built-in (Opt.) No.50: 22 / 26 kW Auto Hi-Lo Gear (Std.) 26 / 31 or 31 / 40 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	35000 kg (77000 lb)	41000 kg (90200 lb)
Machine Dimensions (LxWxH)	8482 x 5580 x 3960 mm (334" x 220" x 156")	10980 x 5580 x 3960 mm (4323" x 220" x 156")



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.) 26 / 31 or 31 / 40 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")	5590 x 3300 x 3800 mm (220" x 130" x 149.6")	6515 x 3300 x 3800 mm (257" x 130" x 149.6")

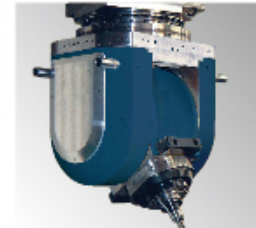
Item	No. 40 DMC-2100S No. 50 DMC-2100SH	DMC-3100S DMC-3100SH	DMC-4100S DMC-4100SH	DMC-5100S DMC-5100SH	DMC-6100S DMC-6100SH
Table Working Surface	2200 x 1500 mm (86.6" x 59")	3200 x 1500 mm (126" x 59")	4200 x 1500 mm (165.4" x 59")	5200 x 1500 mm (240.7" x 59")	6200 x 1500 mm (244.1" x 59")
X Axis Travel	2100 mm (82.7")	3100 mm (122")	4100 mm (161.4")	5100 mm (200.7")	6100 mm (240.2")
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, 20000 rpm) Built-in (Opt.) No.50: 22 / 26 kW Auto Hi-Lo Gear (Std.) 26 / 31 or 31 / 40 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)			12000 kg (26400 lb)	
Machine Weight	22800 kg (50220 lb)	26000 kg (57270 lb)	37500 kg (82500 lb)	42100 kg (92620 lb)	47000 kg (103525 lb)
Machine Dimensions (LxWxH)	6633 x 4065 x 3883 mm (261.1" x 160" x 152.9")	8633 x 4065 x 3883 mm (340" x 160" x 152.9")	11153 x 4070 x 4013 mm (439.1" x 160.2" x 158")	13666 x 4070 x 4013 mm (538" x 160.2" x 158")	15590 x 4070 x 4013 mm (613.8" x 160.2" x 158")



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



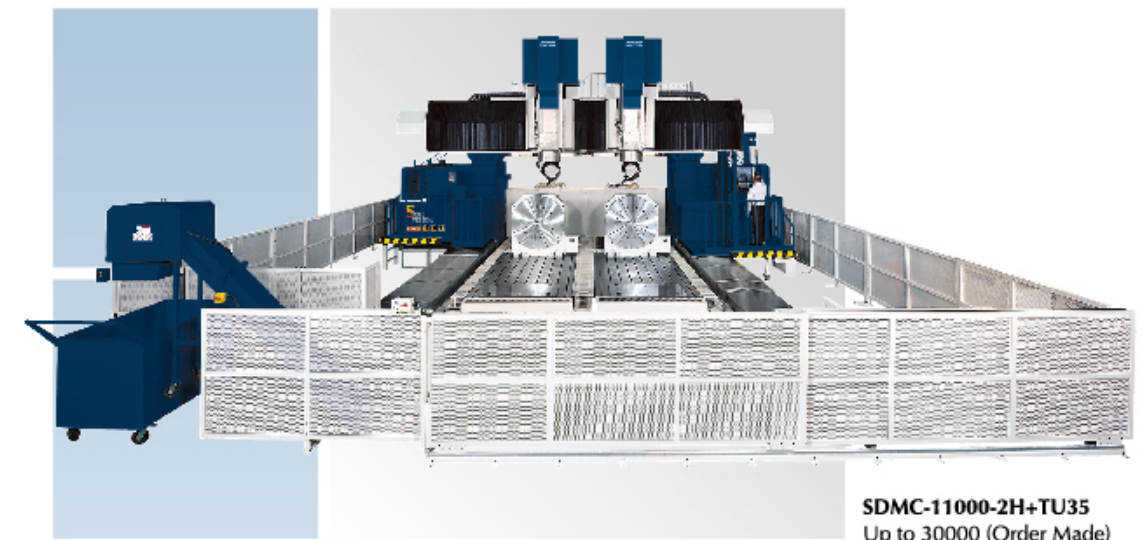
5-Face



2-Axis NC
Milling Head

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
- 2-axis NC milling head
- Twin spindle-2H
- 90° milling head
- Multiangular milling head
- Linear scale
- Tools identification system (BALLUFF)
- Oil skimmer
- Paper filter



SDMC-11000-2H+TU35
Up to 30000 (Order Made)
Twin Spindle Machining Center

Item	SDMC-11000-2H+TU35
Table Working Surface	4000 x 1800 mm x4 (157.4" x 70.8" x 4)
X Axis Travel	11000 mm (433.1")
Y Axis Travel	3200 mm (126")
Z Axis Travel	1400 mm (55.1")
Spindle Motor	37 / 56 kW
X-Y-Z Rapid Traverse	20 / 20 / 10 m/min
Spindle Taper / No. of Tools	HSK-A100: Arm Type 60 for one ATC (Vertical) x 2
Table Load Capacity	3000 kg/m² (614 lb/ft²)
Machine Weight	131000 kg (288200 lb)
Machine Dimensions (LxWxH)	21010 x 12500 x 5830 mm (827.1" x 492.1" x 229.5")

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



DMC-6000+W-axis

Item	DMC-4000	DMC-6000+W
Table Working Surface	4200 x 2200 mm (165.3" x 86.6")	6200 x 3000 mm (244.1" x 118.1")
X Axis Travel	4000 mm (157.4")	6000 mm (236.2")
Y Axis Travel	2800 mm (110.2")	4000 mm (157.5")
Z Axis Travel	800 mm (31.5")(Std.) 1066 mm (42")(Opt.)	1066 mm (42")
W Axis Travel	1000~2500 (39.4"~98.4")	1000 mm (39.4")
Spindle Motor	22 / 26 kW	30 / 37 kW
X-Y-Z-W Rapid Traverse	12 / 12 / 10 / - m/min	10 / 10 / 10 / 4 m/min
Spindle Taper / No. of Tools	No.50: Arm Type 40 (60 / 80 / 120 Opt.)	No.50: Arm Type 40 (60 / 80 / 120 Opt.)
Table Load Capacity	20000 kg (44000 lb)	32000 kg (70400 lb)
Machine Weight	59200 kg (130240 lb) (Std.) 61200 kg (134640 lb) (Opt.)	110000 kg (242000 lb)
Machine Dimensions (LxWxH)	10900 x 5680 x 4550 mm (429" x 223.6" x 179.1")(Std.) 10900 x 5680 x 4850 mm (429" x 223.6" x 191")(Opt.)	15500 x 8500 x 7500 mm (610.2" x 335" x 295.3")



SDMC-16000+W-axis
Up to 30000 (Order Made)
2-Axis NC 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	31 / 40 kW	22 / 26 kW
X-Y-Z Rapid Traverse	12 / 12 / 10 m/min		
Spindle Taper / No. of Tools	No.40 / No.50: Arm Type 40 (60 / 80 / 120 Opt.)		No.50: Arm Type 40 (60 / 80 / 120 Opt.)
Table Load Capacity	20000 kg (44000 lb)		
Machine Weight	65000 kg (143000 lb)	68000 kg (149600 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 5920 mm (429" x 291.3" x 233.1")

Item	SDMC-16000+W
Table Working Surface	16000 x 4000 mm (629.9" x 157.5")
X Axis Travel	16000 mm (629.9")
Y Axis Travel	4600 mm (181.1")
Z Axis Travel	1400 mm (55.1")
W Axis Travel	2200 mm (86.6")
Spindle Motor	37 / 45 kW
X-Y-Z-W Rapid Traverse	10 / 10 / 10 / 4 m/min
Spindle Taper / No. of Tools	No.50: Arm Type 50
Table Load Capacity	3000 kg/m² (614 lb/ft²)
Machine Weight	183500 kg (403700 lb)
Machine Dimensions (LxWxH)	24450 x 9930 x 8215 mm (962.6" x 391" x 323.4")



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 Speed	
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 Speed
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")

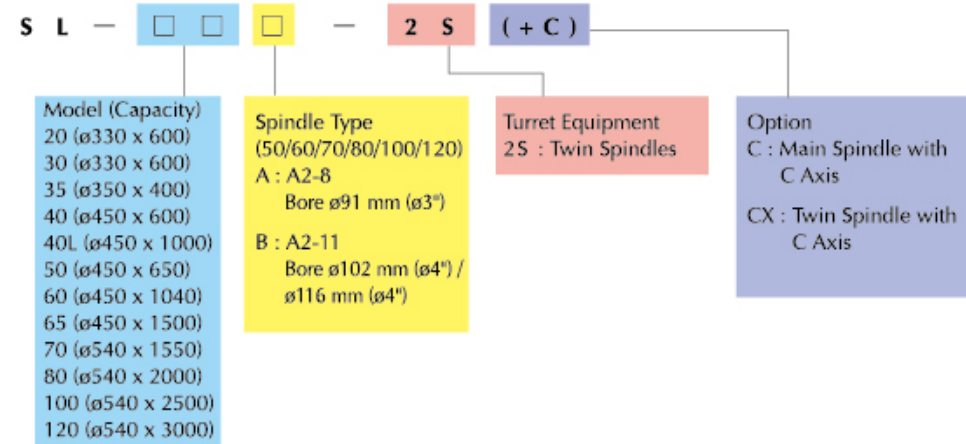


SLANT-BED CNC LATHES

OPTIONAL ACCESSORIES

- C-axis (C.5 axis with angle encoder but no gear box / C.F axis with gear box)
- C+Y-axis
- Contact tool setting system
- Tool holders (VDI type)
- Bar feeder interface (or bar feeder)
- Parts catcher
- Rotary tailstock
- Angle encoder for C-axis

SL SERIES DESIGN SL=SUPER LATHE CENTER



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")	



SL-50 / 50A / 50B
Sub-spindle Available



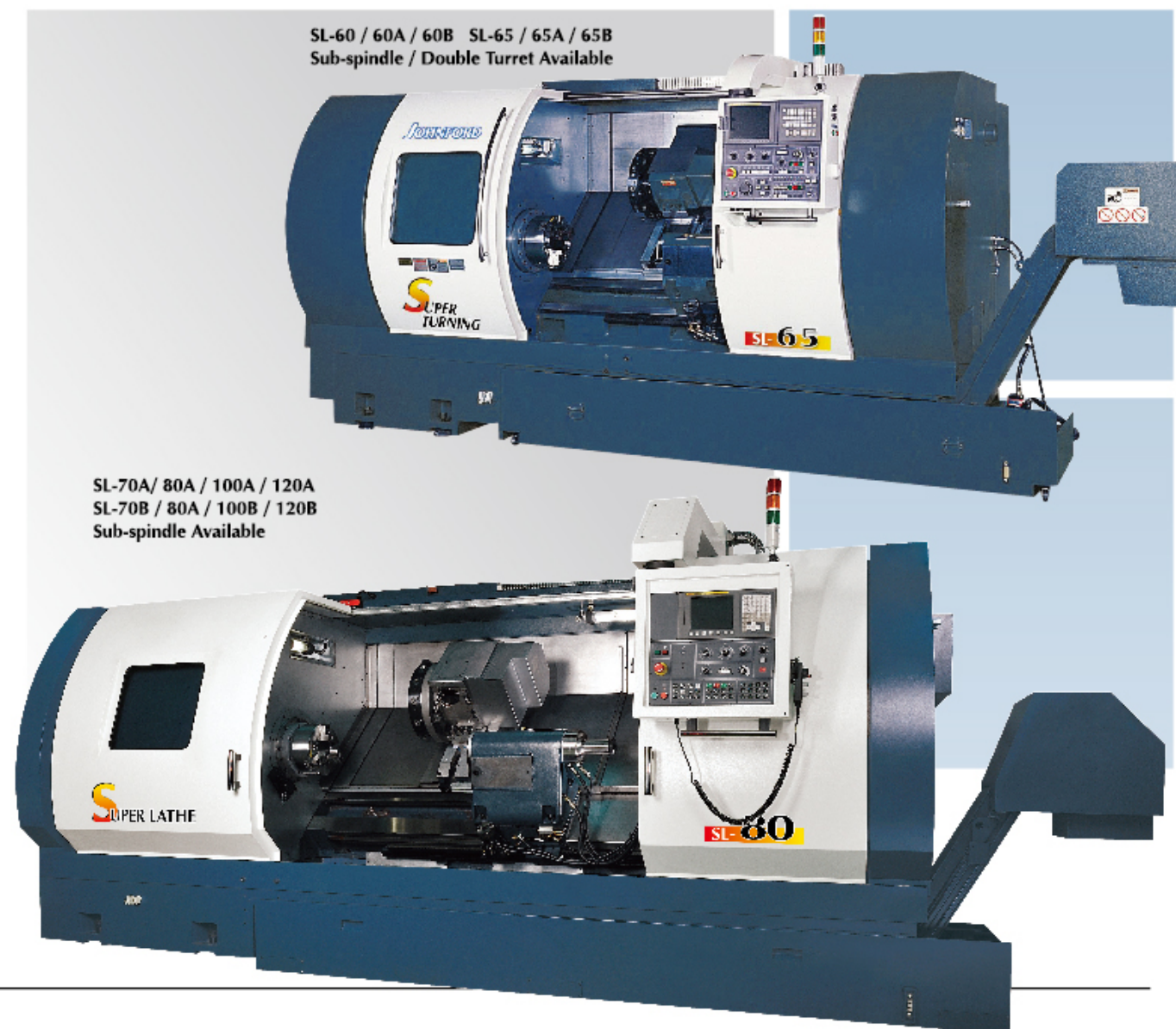
Item	SL-40	SL-40L
Swing Over Cross Slide	450 mm (17.7")	
Spindle Bore / Spindle Nose	86 mm / A2-8	
Spindle Motor	11 / 15 kW	
Spindle Speed Steps	One Speed	
No. of Tools	12	
Rapid Traverse	X: 20 / Y: 10 / Z: 20 m/min	
Machine Weight	4500 kg (9912 lb)	5500 kg (12115 lb)
Machine Dimensions (WxHxL)	1851 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-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 Speed
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 / 370 mm (Y-axis) (17.7" / 14.5")	
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 Speed	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") / 370 mm (14.5") (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 speed	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 6930 mm (99.2" x 86.6" x 273")	2520 x 2200 x 6485 mm (99.2" x 86.6" x 255.3")



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SLANT-BED CNC LATHES

LATHES

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-speeds
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 6930 mm (95.7" x 85" x 273")	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-speeds		
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 6930 mm (95.7" x 85" x 273")	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

S	T		
Model (Z Axis Travel) 40-800 mm 60-1200 mm 70-1600 mm 80-2000 mm 100-2400 mm 130-3050 mm 160-4050 mm 200-5050 mm 240-6050 mm	Spindle Type A-Bore ø115 mm (ø4") / A2-8 / 3000 rpm B-Bore ø132.5 mm (ø5") / A2-11 / 2000 rpm C-Bore ø152 mm (ø6") / A2-15 / 1500 rpm D-Bore ø185 mm (ø7") / A2-15 / 1000 rpm E-Bore ø236 mm (ø9") / A2-15 / 750 rpm F-Bore ø255 mm (ø10") / A2-15 / 600 rpm G-Bore ø318 mm (ø12") / A2-20 / 500 rpm H-Bore ø360 mm (ø14") / A2-20 / 400 rpm I-Bore ø410 mm (ø16") / A2-28 / 300 rpm	Addition Type H-Advance X-Opt.	



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 2765 x 5132 mm (89.4" x 108.9" x 202")	2270 x 2765 x 6195 mm (89.4" x 108.9" x 243.9")	2290 x 2765 x 6482 mm (90.2" x 108.9" x 255.2")

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-speeds		
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 2765 x 5132 mm (89.4" x 108.9" x 202")	2270 x 2765 x 6195 mm (89.4" x 108.9" x 243.9")	2290 x 2765 x 6482 mm (90.2" x 108.9" x 255.2")

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-speeds		
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 2765 x 5132 mm (89.4" x 108.9" x 202")	2270 x 2765 x 6195 mm (89.4" x 108.9" x 243.9")	2290 x 2765 x 6482 mm (90.2" x 108.9" x 255.2")

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-speeds					
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)	24100 kg (53020 lb)	28100 kg (61820 lb)	32100 kg (70620 lb)
Machine Dimensions (WxHxL)	2504 x 2895 x 7412 mm (98.6" x 114" x 291.8")	2504 x 2895 x 7812 mm (98.6" x 114" x 307.6")	2504 x 2895 x 8612 mm (98.6" x 114" x 339.1")	2504 x 2895 x 9926 mm (98.6" x 114" x 390.8")	2504 x 2895 x 11267 mm (98.6" x 114" x 443.6")	2504 x 2895 x 11667 mm (98.6" x 114" x 459.3")

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-speeds					
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)	24200 kg (53240 lb)	28200 kg (62040 lb)	32200 kg (70840 lb)
Machine Dimensions (WxHxL)	2504 x 2895 x 7412 mm (98.6" x 114" x 291.8")	2504 x 2895 x 7812 mm (98.6" x 114" x 307.6")	2504 x 2895 x 8612 mm (98.6" x 114" x 339.1")	2504 x 2895 x 9926 mm (98.6" x 114" x 390.8")	2504 x 2895 x 11267 mm (98.6" x 114" x 443.6")	2504 x 2895 x 11667 mm (98.6" x 114" x 459.3")

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, Geared headstock 176 mm / A2-15					
Spindle Motor	30 / 37 kW (Std.) ; 37 / 45 kW (Opt.)					
Spindle Speed Steps	Auto 4-speeds					
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)	24500 kg (53900 lb)	28500 kg (62700 lb)	32500 kg (71500 lb)
Machine Dimensions (WxHxL)	2504 x 2895 x 7412 mm (98.6" x 114" x 291.8")	2504 x 2895 x 7812 mm (98.6" x 114" x 307.6")	2504 x 2895 x 8612 mm (98.6" x 114" x 339.1")	2504 x 2895 x 9926 mm (98.6" x 114" x 390.8")	2504 x 2895 x 11267 mm (98.6" x 114" x 443.6")	2504 x 2895 x 11667 mm (98.6" x 114" x 459.3")



GT SERIES DESIGN

GT — ☐ ☐ ☐ (+ C)		Option C : C Axis
Model (Z Axis Travel) 40=1000 mm 80=2000 mm 120=3000 mm 160=4000 mm 200=5000 mm 240=6000 mm 275=7000 mm 320=8000 mm 355=9000 mm 395=10000 mm	Spindle Type D- Bore ø185 mm (ø7") / A2-15 / 1000 rpm E- Bore ø235 mm (ø9") / A2-15 / 750 rpm F- Bore ø255 mm (ø10") / A2-15 / 600 rpm G- Bore ø318 mm (ø12") / A2-20 / 500 rpm H- Bore ø360 mm (ø14") / A2-20 / 400 rpm I- Bore ø410 mm (ø16") / A2-28 / 300 rpm J- Bore ø535 mm (ø21") / A2-28 / 250 rpm K- Bore ø610 mm (ø24") / A2-32 / 220 rpm	

OPTIONAL ACCESSORIES

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

GREAT TURNING CENTERS

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-speeds				
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-speeds				
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

HT — ☐ ☐ ☐ 2 ☐ ☐ (+ C)		Option C : C Axis (Live Tooling)
Z Axis Travel 30-550 mm (21") 35-760 mm (29.9") 40-1000 mm (40") 60-1500 mm (60") 80-2000 mm (80") 100-2500 mm (98")	Spindle Size A : A2-8 Bore=ø115 mm (ø4") B : A2-11 Bore=ø132.5 mm (ø5") C : A2-15 Bore=ø152 mm (ø6") D : A2-15 Bore=ø185 mm (ø7") E : A2-15 Bore=ø236 mm (ø9")	2S : Twin Spindles 2D : Twin Turrets 2SD : Twin Spindles & Twin Turrets

Multiple Configurations to Match Any Need

HIGH QUALITY TURNING CENTERS

Item	HT-30-2S	HT-35-2S	HT-40-2S	HT-60-2S	HT-80-2S	HT-100-2S
Swing Over Cross Slide	330 mm (13")	330 mm (13")	600 mm (23.6")			
Spindle Bore / Spindle Nose	65 mm / A2-6	86 mm / A2-8	A: 115 mm / A2-8, B: 132.5 mm / A2-11 , C: 152 mm / A2-15 D: 185 mm, Geared head ø176 / A2-15, E: 236 mm / A2-15			
Spindle Motor	11 / 15 kW	15 / 18.5 kW	A, B: 22 / 26 kW ; C, D, E: 30 / 37 kW			
Spindle Speed Steps	One speed	One speed	A, B: Auto Hi-Lo / C, D, E: Auto 4-speeds			
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)	11000 kg (24200 lb)	16500~22700 kg (36300~49940 lb)			
Machine Dimensions (WxHxL)	2300 x 2300 x 5100 mm (90.6" x 90.6" x 200.8")	2300 x 2300 x 5600 mm (90.6" x 90.6" x 220.5")	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-35-2D	HT-40-2D	HT-60-2D	HT-80-2D	HT-100-2D
Swing Over Cross Slide	330 mm (13")	330 mm (13")	600 mm (23.6")			
Spindle Bore / Spindle Nose	86 mm / A2-8	86 mm / A2-8	A: 115 mm / A2-8, B: 132.5 mm / A2-11 , C: 152 mm / A2-15 D: 185 mm, Geared head ø176 / A2-15, E: 236 mm / A2-15			
Spindle Motor	15 / 18.5 kW	15 / 18.5 kW	A, B: 22 / 26 kW ; C, D, E: 30 / 37 kW			
Spindle Speed Steps	One speed	One speed	A, B: Auto Hi-Lo / C, D, E: Auto 4-speeds			
No. of Tools (T1 / T2)	12 / 12					
Rapid Traverse	X / U: 15; Z / W: 18 m/min	X / U: 15; Z / W: 18 m/min	X / U: 12; Z / W: 15 m/min			
Machine Weight	7200 kg (15840 lb)	11000 kg (24200 lb)	17000~23200 kg (37400~51040 lb)			
Machine Dimensions (WxHxL)	2300 x 2300 x 5100 mm (90.6" x 90.6" x 200.8")	2300 x 2300 x 5600 mm (90.6" x 90.6" x 220.5")	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 x6600 mm (141.5" x 115.7" x 259.8")

Item	HT-30-2SD	HT-35-2SD	HT-40-2SD	HT-60-2SD	HT-80-2SD	HT-100-2SD
Swing Over Cross Slide	330 mm (13")	330 mm (13")	600 mm (23.6")			
Spindle Bore / Spindle Nose	65 mm / A2-6	86 mm / A2-8	A: 115 mm / A2-8, B: 132.5 mm / A2-11 , C: 152 mm / A2-15 D: 185 mm, Geared head ø176 / A2-15, E: 236 mm / A2-15			
Spindle Motor	11 / 15 kW	15 / 18.5 kW	A, B: 22 / 26 kW ; C, D, E: 30 / 37 kW			
Spindle Speed Steps	One speed	One speed	A, B: Auto Hi-Lo / C, D, E: Auto 4-speeds			
No. of Tools (T1 / T2)	12 / 12					
Rapid Traverse	X / U: 15 ; Z / R / W: 18 m/min		X: 12 / W: 10 / Z: 15 m/min			
Machine Weight	7500 kg (16500 lb)	11000 kg (24200 lb)	18000~24200 kg (39600~53240 lb)			
Machine Dimensions (WxHxL)	2300 x 2300 x 5100 mm (90.6" x 90.6" x 200.8")	2300 x 2300 x 5600 mm (90.6" x 90.6" x 220.5")	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

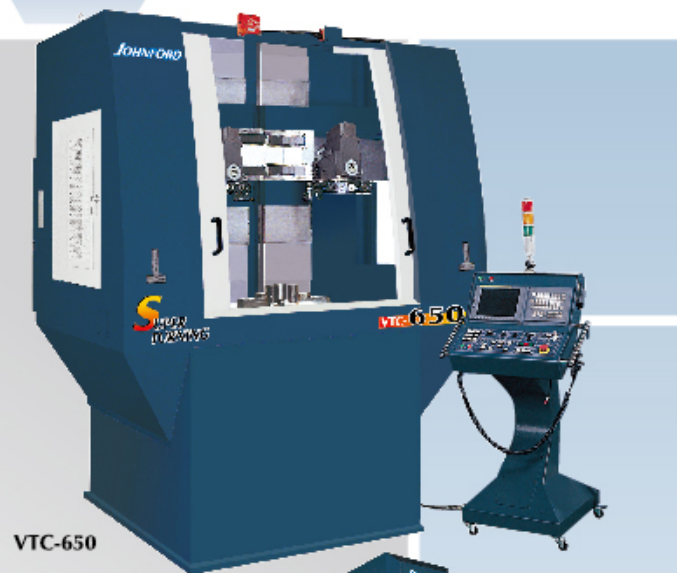
- Contact tool setting system (Renishaw TS20 or BULM NT-A2 / NT-A3)
- Tool holders (VDI)
- Automatic pallet changer (A.P.C.)
- C-axis
- Hydraulic chuck 3, 4, 5, 6 jaws
- High pressure coolant through spindle
- X / Z axis linear scale
- Oil skimmer

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)	5590 x 5555 x 5525 mm (220" x 218.7" x 217.5")



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")



VTC-800ATC

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)	5590 x 5555 x 5525 mm (220" x 218.7" x 217.5")

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)	6035 x 5820 x 5870 mm (237.6" x 229.1" x 231.1")	6410 x 6140 x 5880 mm (252.4" x 241.7" x 231.5")



VTC-1600ATC
Roof TOP (Opt.)
Full enclosure

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)	75000 kg (165000 lb)
Machine Dimensions (LxWxH)	8500 x 7570 x 6860 mm (334.6" x 298" x 270.1")	9200 x 7820 x 6860 mm (362.2" x 307.9" x 270.1")



VTC-2500ATC



VMC-850 + APC

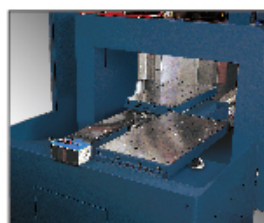
APC Specifications

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 710 mm (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-67280G

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-speeds					
Spindle Motor	22 / 26 kW (30 / 37 kW Opt.)		30 / 37 kW (37 / 45 kW Opt.)			
Spindle Bore	B: ø132.5 / C: ø152 / D: ø176 / E: ø236 / 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					