

**2010-2011
Product
Catalogue**



**20Years
Experience
1991-2011**

METAL WORKING MACHINE

- * GEAR HEAD LATHE
- * BENCH LATHE
- * MILLING MACHINE
- * MULTI-PURPOSE MACHINE
- * MAGNETIC DRILL
- * DRILL PRESS
- * DRILLING MACHINE
- * BAND SAW
- * BENCH GRINDER
- * VICE & WORKTABLE





Brief introduction

With twenty years experiences in manufacturing & exporting machine and tools, we have enjoyed considerable good reputation from our customers over the world because of the high quality and first-class after sale service.

To guarantee the quality, we produce the industrial tools from carefully selected raw material and with advanced manufacturing equipment.

We bear in mind that consistent high quality products are crucial to the ongoing success of operation. With our extensive applications knowledge we can engineer the tools to the most exacing need.

Success and growth of the sumore brand comes from our driven dedication to the industry and our commitment to building and designing high quality machine tools for professionals throughout the world.



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GEAR HEAD LATHE

Specifications	SP2110-I	SP2110-II
Max.swing over bed	300 mm	320 mm
Max.swing over cross slide	180 mm	198 mm
Max.swing over gap	430 mm	476 mm
Distance between centers	750/910/1000 mm	
Spindle bore	38 mm	
Taper of spindle bore	MT5	
Range of spindle speed	65-1400(65-1810) rpm	
Range of longitudinal feeds	0.079-1.291 mm/rev	
Range of cross feeds	0.017-0.276 mm/rev	
Range of metric threads	0.4-7 mm	
Range of inch threads	4-60 TPI	
Max.travel of tailstock quill	100 mm	
Taper of tailstock bore	MT3	
Power of motor	1.1/1.5 KW	
Packing size	1480/1680/1940x750x1400 mm	
Net weight	500/540/620 kg	
Gross weight	550/590/670 kg	

Standard accessories

Tool box with tools	Foot stands	MT5/3 sleeve
Change gears	Oil tray	Splash guard
3-jaw Chuck (Ø160mm)	MT#3 dead centers	Oil gun



Optional:
Digital Readout Device

For all gear head lathe

GEAR HEAD LATHE

Specifications	
Max.swing over bed	320 mm
Max.swing over gap	450 mm
Max.turning dia. over cross slide	198 mm
Max.length to be turned	880/1000 mm
Spindle: speed steps/range	8/70-2000 rpm
Spindle: spindle bore dia./taper	38 mm MT5
Feedrates: longitudinal(36kinds)	0.079-1.291 mm/rev
Feedrates: transverse(36kinds)	0.017-0.276 mm/rev
Thread-chasing: metric threads(36kinds)	0.4-7 mm
Thread-chasing: whitworth threads(36kinds)	4-60 TPI
Turret: cross slide travel	160 mm
Turret: top slide travel	76mm
Turret: swiveling angle of turret	±45°
Distance from the tool bearing surface to the centerline	13 mm
Tailstock: movement of tailstock quill	100 mm
Tailstock: taper of tailstock quill bore	MT3
Power of main drive motor	1.1/1.5 KW
Packing size	1680/1850x750x1400 mm
Net/Gross weight	520/560 kg 560/600 kg
Loading (unitary/asunder packing)	9/23 pcs/20'

Standard accessories

3-jaw Chuck(Ø160mm)	Tool box with tools
MT#3 dead centers	Foot stands
Change gears set	Oil gun
Splash guard	MT5/3 sleeve
Oil tray	



SP2111

SP2111A



Variable speed gear head lathe
with DRCD
other specifications are the same as SP2111

GEAR HEAD LATHE

Specifications	SP2112-I	SP2112-II
Max.swing over bed	330 mm	360 mm
Max.swing over cross slide	198 mm	212 mm
Max.swing over gap	476 mm	491 mm
Distance between centers	750/1000 mm	
Spindle bore	38 mm	
Taper of spindle bore	MT5	
Range of spindle speed	70-2000 rpm(2 speed motor)	
Range of horizontal feeds	20 Nos.0.052-1.392 mm/r	
	16 Nos.0.078-1.044 mm/r	
Range of cross feeds	20 Nos.0.014-0.38 mm/r	
	16 Nos.0.018-0.238 mm/r	
Range of metric threads	26 Nos.0.4-7 mm	
	32 Nos.0.45-10 mm	
Range of inch threads	34 Nos.56-4T/inch	
	20 Nos.40-2.5T/inch	
Max. travel of tailstock quill	100 mm	
Taper of tailstock quill	MT3	
Power of motor	1.5 KW	
Packing Size (LxWxH)	1740/1950x750x1510 mm	
Net Weight	570/640 kg	620/690 kg
Gross Weight	620/690 kg	670/740 kg

Norton lever gearbox Available!!



SP2112

Standard accessories

Tool box with tools	Oil tray	Oil gun
MT#3 dead centers	Foot stands	Splash guard
MT5/3 sleeve	Coolant system	
Change gears set	3-jaw Chuck(Ø160mm)	
Foot brake system		

GEAR HEAD LATHE

Specifications	SP2123-I	SP2123-II
Max. swing over bed	330mm	356mm
Max. swing cross slide	198mm	224mm
Max. swing in gap	450mm	476mm
Max. distance between centers	750/1000mm	
Spindle bore	51mm	
Spindle taper	MT6	
Range of spindle speed	70-2000rpm	
Range of longitudinal feeds	0.0078-1.004/rev	
Range of cross feeds	0.022-0.298mm/rev	
Range of metric threads	0.45-10.0mm	
Range of inch threads	2.25-40TPI	
Max. size of tool shank	20x20mm	
Taper of tailstock bore	MT4	
Power of main motor	1.5KW	
Unitary packing size	1940x760x1520mm	
G.W./N.W.	620/580kg	650/600kg

51 mm
Big Bore



SP2123

GEAR HEAD LATHE

Specifications

Swing over bed	410 mm
Swing over cross slide	255 mm
Swing in gap	580 mm
Length of gap	250 mm
Distance between centers	1000/1500 mm
Center height	520 mm
Width of bed	250 mm
Spindle nose	D1-6
Spindle bore	52 mm
Taper of spindle bore	MT6
Range of spindle speed	16 step 45-1800 r/min
Max. travel of top slide	140 mm
Max. travel of cross slide	210 mm
Leadscrew pitch	4 T.P.I.
Max. section of tool	20x20 mm
Longitudinal feeds range	0.05-1.7 mm/rev
Cross feeds range	0.025-0.85 mm/rev
Metric threads range	39 kinds 0.2-14 mm
Inch threads range	45 kinds 2-72 T.P.I.
Diametrical pitches range	21 kinds 8-44 D.P.
Module pitches range	18 kinds 0.3-3.5 M.P.
Dia. of tailstock sleeve	50 mm
Travel of tailstock sleeve	120 mm
Morse taper of tailstock sleeve	MT4
Cross adjustment	±13 mm
Loading	4 pcs/20' container
Power of coolant pump	0.1 KW(1/8 HP), 3 HP



SP2113

Power of main motor	2.8/3.3 KW(3.8/4.5 HP), 3 PH or 5 HP
Overall dimension(LxWxH)	1940x850x1320 mm
Packing size(LxWxH)	2060x900x1640 mm
Weight(Net/Gross)	1550/1750; 1600/1755 kg

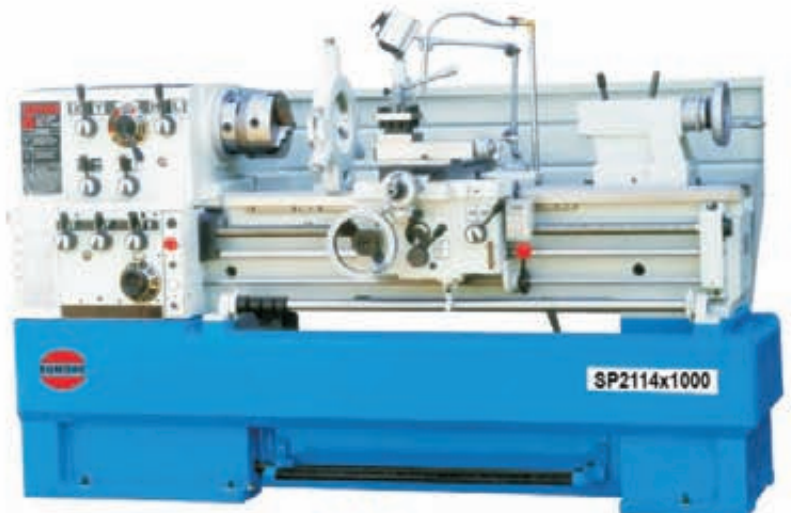
Standard accessories

300mm face plate	Follow rest	Thread chasing dial	Steady rest	Oil gun
Operation manual	MT 6/4 sleeve and MT 4 center	One set of wrenches		
200mm three jaw chuck and adapter	320mm four jaw chuck and adapter			

GEAR HEAD LATHE

Specifications

	SP2114-I	SP2114-II
Swing over bed	410 mm	460 mm
Swing over cross slide	224 mm	274 mm
Swing in gap	640 mm	690 mm
Length of gap	155 mm	155 mm
Max.length of workpiece	1000/1500 mm	
Center height	1085/1110 mm	
Bed width	300 mm	
Spindle nose	D1-6	
Spindle bore	58 mm	
Taper of spindle bore	MT6	
Range of spindle speed	12 changes 25-2000 r/min	
Max.travel of compound rest	120 mm	
Max.travel of cross slide	290 mm	
Leadscrew pitch	4 T.P.I.	
Max.section of tool	25x25 mm	
Longitudinal feeds range	42 kinds 0.031-1.7 mm/rev	
Cross feeds range	42 kinds 0.014-0.784 mm	
Metric threads range	41 kinds 0.1-14 mm	
Inch threads range	60 kinds 2-112 T.P.I.	
Diametrical pitches range	50 kinds 4-112 D.P.	
Module pitches range	34 kinds 0.1-7 M.P.	
Dia.of tailstock sleeve	60 mm	
Travel of tailstock sleeve	120 mm	
Morse taper of tailstock sleeve	MT4	
Cross adjustment	±13 mm	
Power of main motor	4 KW (5.4HP), optional 5.5 KW (7.5HP)3PH	
Power of coolant pump	0.1 KW (1/8HP),3PH	



SP2114

Overall dimension (LxWxH)	SP2114-I	2170/2720x1040x1340 mm
	SP2114-II	2170/2720x1040x1370 mm
Packing size (LxWxH)		2250/2800x1120x1730 mm
Gross Weight	SP2114-I	1980/2320 kg
	SP2114-II	2045/2385 kg
Loading		40 pcs/20' container

Standard accessories

3-jaw chuck (200mm) and adapter	Face plate (350mm)	Oil gun
4-jaw chuck (320mm) and adapter	Follow rest (20-80mm)	Operation manual
MT6/4 sleeve and MT4 center	One set of wrenches	Thread chasing dial
Steady rest (20-140mm)		

GEAR HEAD LATHE

Specifications	SP2121-I	SP2121-II
Swing over bed	510 mm	560 mm
Swing over cross slide	300 mm	350 mm
Swing in gap	738 mm	788 mm
Length of gap	200 mm	200 mm
Distance between centers	1500/2000 mm	1500/2000 mm
Center height	1135 mm	1160 mm
Width of bed		350 mm
Spindle nose		D1-8
Spindle bore		80 mm
Taper of spindle bore		MT7
Range of spindle speed	12 changes 25-1600 r/min	
Max. travel of compound rest		130 mm
Max. travel of cross slide		326 mm
Leadscrew pitch	6 mm or 4T.P.I.	
Max. section of tool		25x25 mm
Longitudinal feeds range	35 kinds 0.059-1.646 mm/rev	
Cross feeds range	35 kinds 0.020-0.573 mm	
Metric threads range	47 kinds 0.2-14 mm	
Inch threads range	60 kinds 2-112T.P.I.	
Diametrical pitches range	50 kinds 4-112D.P.	
Module pitches range	39 kinds 0.1-7M.P.	
Dia. of tailstock sleeve		75 mm
Travel of tailstock sleeve		180 mm
Morse taper of tailstock sleeve		MT5
Cross adjustment		±13mm
Power of main motor	7.5 kw(10HP), 3PH	
Power of coolant pump	0.1 kw(1/8HP), 3PH	



SP2121

Overall dimension(LxWxH)	2900x1120x1430/1460 mm
Packing size(LxWxH)	3400x1120x1430 mm
Net weight	2960/3460x1130x1820 mm
Gross weight	2335/2685/2370/2720 kg
	2700/3070/2740/3110 kg

Standard accessories

Face plates Steady rest
Follow rest Operation manual
Oil gun Thread chasing dial
One set of wrenches
Three jaw chuck and adapter
Four jaw chuck and adapter
MT 7/5 sleeve and MT 5 center

GEAR HEAD LATHE

Specifications	
Swing over bed	Ø660 mm
Swing over cross slide	Ø440 mm
Swing in gap	Ø900 mm
Length of gap	250 mm
Center height	330 mm
Distance between centers	2000/3000 mm
Width of bed	400 mm
Max. section of tool	25x25 mm
Max. travel of cross slide	368 mm
Max. travel of compound rest	230 mm
Spindle bore	Ø105 mm
Spindle nose	D1-8
Taper of spindle bore	Ø113 mm(1:20)/MT5
Spindle speed step	16
Range of spindle speed	26~1700 rpm
Leadscrew pitch	Ø40 mm x 2T.P.I. or Ø40 mm x 12 mm
Inch threads range	7/16~80T.P.I.(54 kinds)
Metric threads range	0.45~120 mm(54 kinds)
Diametrical pitches range	7/8~160 DP(42 kinds)
Module pitches range	0.25~60 MP(46 kinds)
Dia. of tailstock sleeve	Ø90 mm
Morse taper of tailstock	MT5
Power of main motor	7.4 kW(10HP)
Power of coolant pump	0.09 kW(1/8HP)



SP2122

Cross feeds range in metric lead screw	0.044~1.48 mm/rev(25 kinds)
Longitudinal feeds range in metric lead screw	0.022~0.74 mm/rev(25 kinds)
Overall dimension (LxWxH)	3707/4707x1230x1595 mm
Packing size (LxWxH)	3770/4770x1135x1840
Net weight	2900/3300 kg
Gross weight	3200/3700 kg

Standard accessories

Three jaw chuck Four jaw chuck
Face plates Steady rest
Thread chasing dial Follow rest
Operation manual Oil gun
Ø113mm(1:50)MT5 sleeve and MT5 center
One set of wrenches

OPTIONAL ACCESSORIES

Machine Model	Part No.	Product Name	Description
SP2110	OA3018	drill chuck+drill arbor	
SP2110	OA3019	work light	
SP2110	OA3020	localizer	
SP2110	OA3021	steady rest	
SP2110	OA3022	follow rest	
SP2110	OA3023	face plate	
SP2110	OA3024	leadscrew guard	
SP2110	OA3025	200mm 4-jaw chuck	
SP2110	OA3026	MT3 live centre	
SP2110	OA3027	US type quick change tool-post	4 x holder 1 x base
SP2110	OA3028	coolant system	
SP2110	OA3029	clutch for feed rod	
SP2110	OA3030	foot brake system	
SP2110	OA3031A	3-Axis digital readout for cutting depth (DRCD)	
SP2110	OA3031	2-Axis digital readout for cutting depth (DRCD)	

Machine Model	Part No.	Product Name	Description
SP2111-SP2112	OA3018	drill chuck+drill arbor	
SP2111-SP2112	OA3019	work light	
SP2111-SP2112	OA3020	localizer	
SP2111-SP2112	OA3021	steady rest	
SP2111-SP2112	OA3022	follow rest	
SP2111-SP2112	OA3023	face plate	
SP2111-SP2112	OA3024	leadscrew guard	
SP2111-SP2112	OA3025	200mm 4-jaw chuck	
SP2111-SP2112	OA3026	MT3 live centre	
SP2111-SP2112	OA3027	US type quick change tool-post	4 x holder 1 x base
SP2111-SP2112	OA3028	coolant system	
SP2111-SP2112	OA3029	clutch for feed rod	
SP2111-SP2112	OA3030	foot brake system	
SP2111-SP2112	OA3031A	3-Axis digital readout for cutting depth (DRCD)	
SP2111-SP2112	OA3031	2-Axis digital readout for cutting depth (DRCD)	

Machine Model	Part No.	Product Name	Description
SP2113	OA3032	200mm driving plate	
SP2113	OA3033	US type quick change tool-post	4 x holder 1 x base
SP2113	OA3034	taper turning attachment	
SP2113	OA3035	3-Axis digital readout for cutting depth (DRCD)	1000mm
SP2113	OA3036	2-Axis digital readout for cutting depth (DRCD)	1000mm

Machine Model	Part No.	Product Name	Description
SP2114	OA3032	200mm driving plate	
SP2114	OA3033	quick change tool post(4 holder)	
SP2114	OA3034	US type quick change tool-post	4 x holder 1 x base
SP2114	OA3037	2-Axis digital readout for cutting depth (DRCD)	1500mm
SP2114	OA3038	3-Axis digital readout for cutting depth (DRCD)	1500mm
SP2114	OA3035	2-Axis digital readout for cutting depth (DRCD)	1000mm
SP2114	OA3036	3-Axis digital readout for cutting depth (DRCD)	1000mm

Machine Model	Part No.	Product Name	Description
SP2121	OA3032	200mm driving plate	
SP2121	OA3033	US type quick change tool-post	4 x holder 1 x base
SP2121	OA3034	taper turning attachment	
SP2121	OA3039	2-Axis digital readout for cutting depth (DRCD)	2000mm
SP2121	OA3040	3-Axis digital readout for cutting depth (DRCD)	2000mm
SP2121	OA3037	2-Axis digital readout for cutting depth (DRCD)	1500mm
SP2121	OA3038	3-Axis digital readout for cutting depth (DRCD)	1500mm

Machine Model	Part No.	Product Name	Description
SP2123	OA3059	helogen work lamp	
SP2123	OA3060	chuck safety guard with auto-stop switch	
SP2123	OA3061	leadscrew safety guard	
SP2123	OA3062	rolling center	
SP2123	OA3063	carriage stop	
SP2123	OA3064	clutch for feed rod	
SP2123	OA3065	auto-stop switch for PCB compartment	
SP2123	OA3066	3 phase 5pin Euro type plug	
SP2123	OA3067	Siemens electronic system	
SP2123	OA3068	tailstock chuck with arbor	
SP2123	OA3069	taper turning attachment	
SP2123	OA3070	tool-post safety guard with auto-stop switch	
SP2123	OA3071	premium cust iron stand	
SP2123	OA3072	converter system	

Machine Model	Part No.	Product Name	Description
SP2122	OA3032	200mm driving plate	
SP2122	OA3033	quick change tool post(4 holder)	
SP2122	OA3034	taper turning attachment	
SP2122	OA3041	2-Axis digital readout for cutting depth (DRCD)	3000mm
SP2122	OA3042	3-Axis digital readout for cutting depth (DRCD)	3000mm
SP2122	OA3039	2-Axis digital readout for cutting depth (DRCD)	2000mm
SP2122	OA3040	3-Axis digital readout for cutting depth (DRCD)	2000mm



VARIABLE SPEED BENCH LATHE

Specifications

Swing over bed	110 mm
Distance between centers	125 mm
Hole through spindle	10 mm
Tailstock screw	M14x1 mm
Spindle speed	100-3800 rpm±10%
Cross slide travel	50 mm
Motor output power	150 W
Overall dimension (LxWxH)	440x270x210 mm
Weight (Net/Gross)	14/16 kg
Packing Size (LxWxH)	500x400x310 mm
Loading amount	392 pcs/20'

Standard Attachment

Ø50 mm Three jaw chuck Wrench set
Oil can



SP2100



Optional: Auto Feeder

VARIABLE SPEED BENCH LATHE

Specifications

Swing over bed	140 mm
Distance between centers	250 mm
Hole through spindle	10 mm
Spindle taper	MT2
Tailstock taper	MT1
Spindle speed	100-2000 rpm±10%
Cross slide travel	50 mm
Motor output power	150 W
Range of threads	Metric 0.5-1.25 mm (5 thread pitches)
	or Imperial 16-24 TPI (5 thread pitches)
Overall dimension (LxWxH)	620x300x220 mm
Weight (Net/Gross)	23/32 kg
Packing size (LxWxH)	680x350x390 mm
Loading amount	336 pcs/20'

Feature

- Variable speed
- Over-load protection
- Inside leadscrew

Standard Attachment

Ø80 mm Three jaw chuck Dead center MT1
Wrench set Oil can

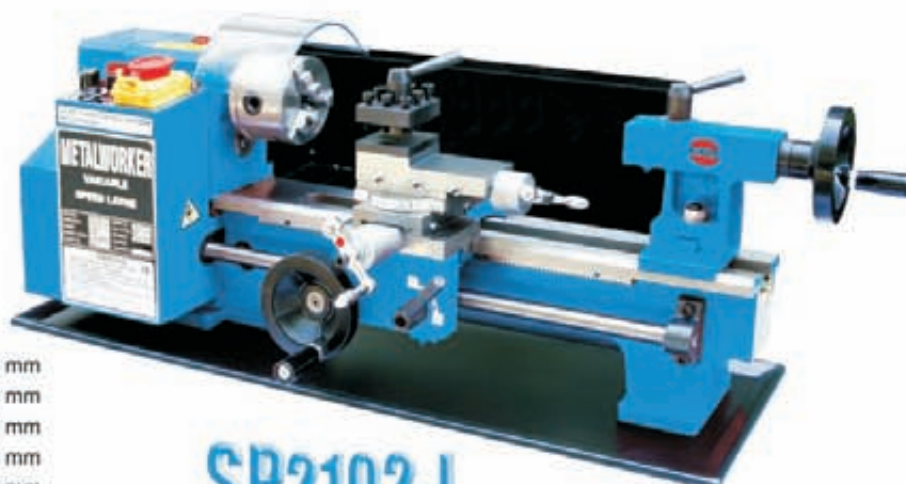


SP2101

VARIABLE SPEED BENCH LATHE

Specifications

Swing over bed		180 mm
Swing over saddle		110 mm
Distance between centers	Model 200	200 mm
	Model 300	300 mm
Hole through spindle		20 mm
Cross slide travel		65 mm
Spindle taper		MT3
Tailstock taper		MT2
Spindle speed	Low range	100-1100 rpm $\pm 10\%$
	High range	100-2500 rpm $\pm 10\%$
Motor output power		250 W
Range of threads	Metric	0.4-2.0 mm (10 thread pitches)
	Inch	12-52 TPI (8 thread pitches)
Overall dimension (LxWxH)	Model 200	620x300x290 mm
	Model 300	720x360x300 mm
Weight (Net/Gross)	Model 200	33/36 kg
	Model 300	37/40 kg



SP2102-I

Packing size (LxWxH)	Model 200	670x330x330 mm
	Model 300	790x360x380 mm
Loading amount		306 pcs/20'
		275 pcs/20'

Features

- Safety Switch
- Variable speed
- Four position turret post
- Complete set of changing gear
- High accurate

Standard attachment

- 80mm 3-jaw Chuck
- MT2 Center
- Change gear set
- Wrench set
- Oil can

VARIABLE SPEED BENCH LATHE

Feature

- Brushless Motor
- Upgraded version of SP2102-I
- Improved PC Board
- Greater Durability
- Higher Efficiency
- Maintenance-free
- Noise-free



SP2102-II

Specifications

Swing over bed		180 mm
Distance between centers		300 mm
Hole through spindle		20 mm
Spindle taper		MT3
Tailstock taper		MT2
Cross slide travel		65 mm
Compound travel		55 mm
Range of threads	Metric version	0.4-2.0 mm (10 thread pitches)
	Imperial version	12-52 TPI (8 thread pitches)
Motor output power(Brushless motor)		500 W
Spindle speed		100-2500 rpm $\pm 10\%$
Overall dimension (LxWxH)		720x300x290 mm
Packing size (LxWxH)		780x420x390 mm
Weight(Net/Gross)		50/55 kg



No more High/Low Gear
Trouble Free



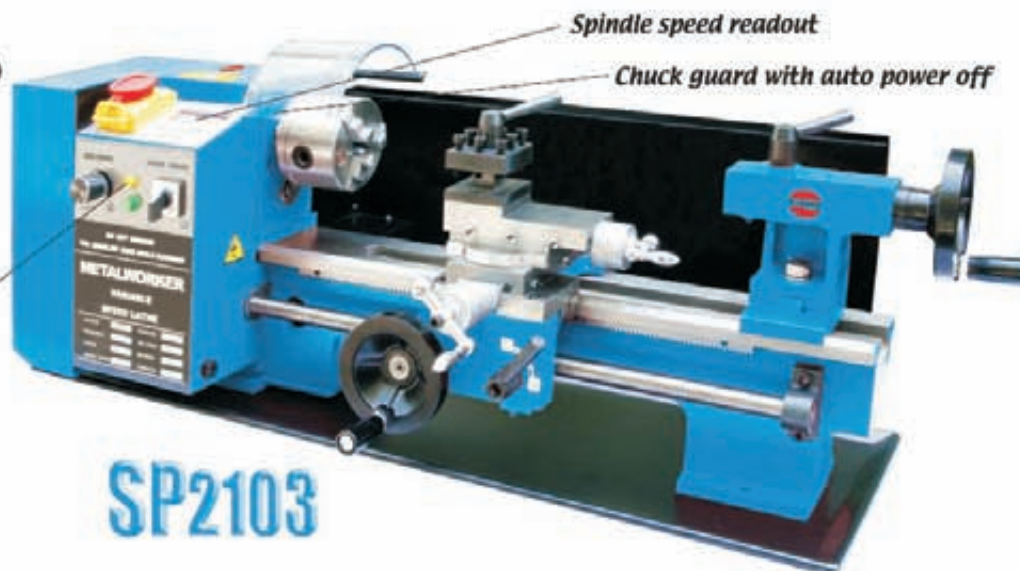
Digital Spindle Speed Readout
Available (Optional)

Standard attachment

- 80mm 3-jaw Chuck
- MT2 Center
- Change gear set
- Wrench set
- Oil can

VARIABLE SPEED BENCH LATHE

Over-load auto stop



SP2103

Specifications

Swing over bed	180 mm
Cross slide travel	65 mm
Motor output power	350 W
Distance between centers	350 mm
Hole through spindle	20 mm
Spindle taper	MT3
Tailstock taper	MT2

Spindle speed	Low range 100-1200 rpm $\pm$ 10% High range 100-3000 rpm $\pm$ 10%
Thread range	Metric 0.4-2.0 mm (5 threads pitches) or Inch 12-52 TPI (5 threads pitches)
Overall dimension (LxWxH)	880x290x290 mm
Weight (Net/Gross)	44/56 kg
Packing Size (LxWxH)	870x340x370 mm
Loading amount	238 pcs/20'

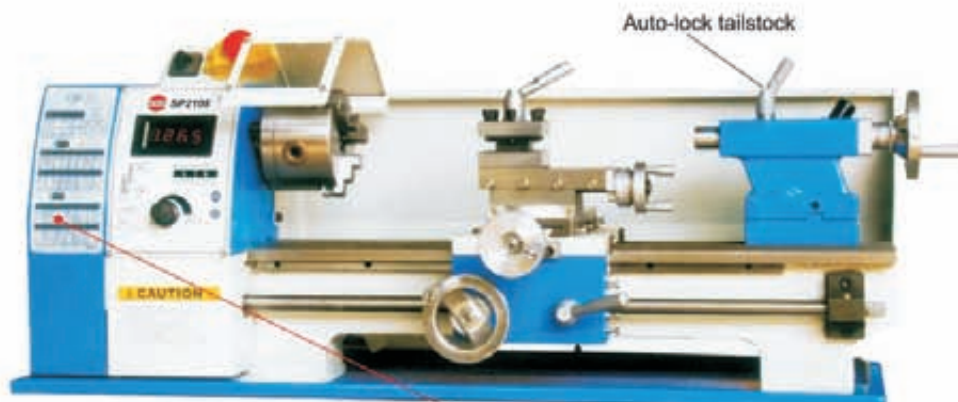
Standard attachment

80mm 3-jaw Chuck	MT2 Center
Changing gear set	Wrench set
Oil can	

VARIABLE SPEED BENCH LATHE

Feature

- Induction harden bedway
- Spindle speed digital readout
- Variable speed
- Auto-lock tailstock
- Metal gear



SP2108

Specifications

Distance Between Centers	300 mm
Swing Over Bed	180 mm
Taper of Spindle Bore	MT3
Spindle Bore	21 mm
Range of Spindle Speeds	50-2500 rpm
Range of Longitudinal Feeds	0.08-0.16 mm
Range of Inch Threads	10-44 TPI
Range of Metric Threads	0.5-3 TPI
Taper of Tailstock Quill	MT2
Motor out put power	450 W
Packing size	780x480x420 mm
Net weight	60 kg

Standard attachment

3-jaw chuck $\varnothing$ 100
Change gears
Centers MT2
Oil gun
Set of wrench



VARIABLE SPEED BENCH LATHE

"for High/Low speed change"

Feature

- Induction harden bedway
- Spindle speed digital readout
- Variable speed
- Auto-lock tailstock
- Metal gear

Specifications

Distance Between Centers	400 mm
Swing Over Bed	210 mm
Taper of Spindle Bore	MT3
Spindle Bore	21 mm
Range of Spindle Speeds	50-2500 rpm
Range of Longitudinal Feeds	0.08-0.20 mm
Range of Inch Threads	9-44 TPI
Range of Metric Threads	0.3-3 TPI
Taper of Tailstock Quill	MT2
Motor out put power	450 W
Packing size	880x495x420 mm
Net weight	76 kg

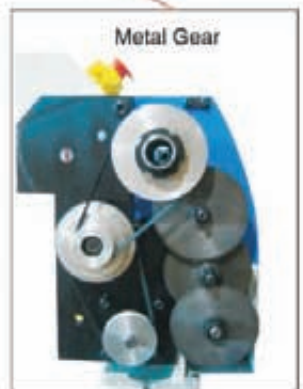


SP2109

Standard attachment

- 3-jaw chuck Ø100
- Change gears
- Centers MT2
- Oil gun
- Set of wrench

Metal Gear



VARIABLE SPEED BENCH LATHE

Specifications

Swing over bed	210 mm
Distance between centers	410 mm
Hole through spindle	20 mm
Spindle taper	MT3
Tailstock taper	MT2
Cross slide travel	100 mm
Compound travel	70 mm

Thread range	Metric and Imperial	0.4 - 3.5 mm 7 - 44 TPI
Motor output power		550 W
Spindle speed(6 speed)		100-2000 rpm
Overall dimension(LxWxH)		1000x550x400 mm
Packing size(LxWxH)		1070x710x530 mm
Weight(net/gross)		94/125 kg



VARIABLE SPEED BENCH LATHE

Feature

- Brushless motor
- Touching switch panel
- Digital spindle speed read out
- Cross and longitudinal auto feed
- Cut metric and Inch screw
- Quick lock tailstock

Specifications

Swing over bed	210 mm
Distance between centers	410 mm
Hole through spindle	20 mm
Spindle taper	MT3
Tailstock taper	MT2
Spindle speed	150-2000 rpm $\pm 10\%$
Compound travel	70 mm
Cross slide travel	100 mm
Motor output power	1000 W
Thread range Metric	0.25-3.0 mm
	and Inch 8-24 TPI
Overall dimension (LxWxH)	1000x550x400 mm



SP2104

Weight (Net/Gross)
Packing Size (LxWxH)
Loading amount

94/125 kg
1080x660x610 mm
72 pcs/20'

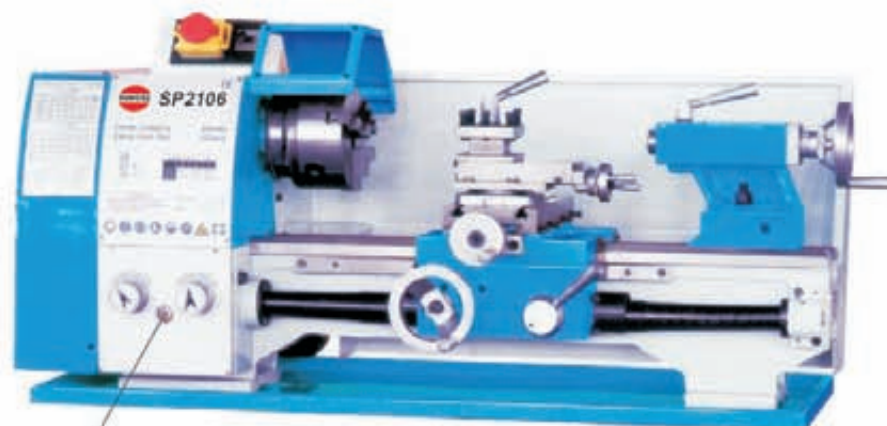
Standard attachment

Ø100mm 3-jaw Chuck Wrench set
Dead center Oil can
Change gear set

VARIABLE SPEED BENCH LATHE

Specifications

Max.swing over bed	Ø250 mm
Max.swing over cross slide	Ø140 mm
Max.length of workpiece	400/550/750 mm
Width of bed	135 mm
Spindle bore	21 mm
Taper of spindle bore	M.T.3
Taper of tailstock quill	M.T.2
Number of spindle speed	6 steps
Range of metric threads	0.1-2.5 mm
Range of imperial threads	8-56 T.P.I
Range of longitudinal speeds	0.1-0.2 mm/rev
Cross slide travel	115 mm
Compound rest travel	70 mm
Taper of tailstock quill	75 mm
Motor power	550W
Range of spindle speeds	125-2000 rpm
Net weight	112/116/126 kg
Gross weight	152/156/166 kg
Packing size (LxWxH)	1045/1155/1355x560x565 mm
Foot stands	500x300x750 mm 44/48 kg



Metal Gear

SP2106

Standard accessories

3-jaw Chuck
Tool box and tools
Chuck guard
Change gears set
Dead centers

VARIABLE SPEED



Spindle speed 0-2500 RPM
Motor power 750 W.DC.motor

VARIABLE SPEED BENCH LATHE

Specifications

Swing over bed		250 mm
Distance between centers	Model 400	400 mm
	Model 550	550 mm
Hole through spindle		20 mm
Spindle taper		MT3
Tailstock taper		MT2
Spindle speed (6 step)		125-2000 rpm
Compound travel		75 mm
Cross slide travel		110 mm
Motor output power		550 W
Thread range Metric	0.4-3.0 mm (12 threads pitches)	
	or Inch 10-44 TPI (8 threads pitches)	
Overall dimension (LxWxH)	400	1080x680x450 mm
	550	1230x680x450 mm
Weight (Net/Gross)	Model 400	125/160 kg
	Model 550	145/180 kg
Packing Size (LxWxH)	Model 400	1040x640x570 mm
	Model 550	1200x680x610 mm
Loading amount	Model 400	64 pcs/20'
	Model 550	51 pcs/20'

Standard attachment

Ø125mm 3-jaw Chuck	Dead center MT3/MT2
Change gear set	Wrench set
Oil can	



SP2105

VARIABLE SPEED BENCH LATHE



Spindle speed 0-2000 rpm $\pm 10\%$
Motor output power 800 W



Optional: DRCD

VARIABLE SPEED BENCH LATHE

Specifications

Max. swing over bed	250 mm
Max. swing over slide	140 mm
Overall length	1090 mm
Overall width	650 mm
Height	505 mm
Bed width	135 mm
Distance between centers	550/750 mm
Spindle speed (variable)	100-2000 rpm
Spindle bore	21 mm
Spindle taper	MT3
Tailstock taper	MT2
Max. travel of tailstock quill	65 mm
Range of metric threads	10@0.5-2.5 mm
Range of inch threads	27@8-56 TPI
Range of longitudinal feeds	0.06-0.4 mm
Max. travel of saddle	460 mm
Range of transverse feeds	0.015-0.22 mm
Max. travel of cross slide	100 mm
Max. travel of top slide	60 mm
Max. tool size	14x14 mm
Power of main motor	750 W
Net weight	145 kg
Shipping weight	165 kg
Packing size	1700x640x560 mm



Metal Gear

Cross and longitudinal
Auto-Feed!!

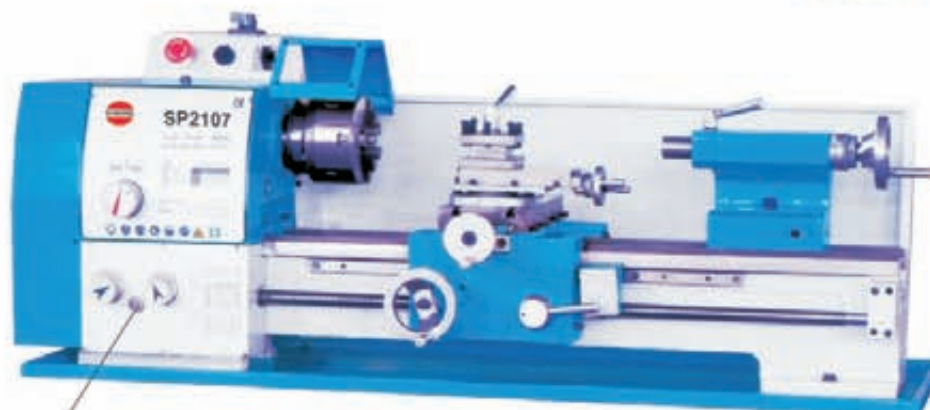
Optional Stand

SP2124

VARIABLE SPEED BENCH LATHE

Specifications

Max.swing over bed	Ø280 mm
Max.swing over cross slide	Ø150 mm
Distance between centers	610 mm
Width of bed	180 mm
Spindle bore	26 mm
Taper of spindle bore	M.T.4
Taper of tailstock quill	M.T.3
Metric threads can be cut	0.1-3.5 mm
Inch threads can be cut	8-35 TPI
Range of longitudinal feeds	0.1-0.25 mm/rev
Max.travel of crass slide	110 mm
Max.travel of top slide	70 mm
Max.travel of tailstock quill	80 mm
Motor power	750 W
N.Weight/G.weight	218/258 kg
Range of spindle speeds	125-2000 rpm
Packing size (LxWxH)	1320x650x610 mm
Foot stands (LxWxH)	280x390x600 mm
Foot stands (N.Weight/G.weight)	52/56 kg



Metal Gear

SP2107

Standard accessories

3-jaw Chuck	Change gears set
Tool box and tools	Dead centers
Chuck guard	

VARIABLE SPEED

SP2107B



Spindle speed	0-2500 rpm
Motor power	1.0KW.DC.Motor

VARIABLE SPEED BENCH LATHE

Thread range

Metric version	0.25 - 2.5 mm (14 threads pitches)
Imperial version	12 - 96 TPI (9 threads pitches)



COMPLETE CHANGE
GEARS IN-BUILT !!!!

SP2127

Specifications

Swing over bed	280 mm	Spindle speed(6 speed)	125-2000 rpm
Distance between centers	600/750 mm	Overall dimension (LxWxH) Model 600	1260x630x470 mm
Hole through spindle	25 mm	Model 750	1410x630x470 mm
Spindle taper	MT4	Packing size(LxWxH) Model 600	1370x740x650 mm
Tailstock taper	MT2	Model 750	1520x740x650 mm
Cross slide travel	155 mm	Weight(net/gross) Model 600	170/220 kg
Compound travel	80 mm	Model 750	175/230 kg
Motor output power	750 W		

OPTIONAL ACCESSORIES

Machine Model	Part No.	Product Name	Description
SP2100	OA1180	50mm 4-jaw chuck (independent)	
SP2100	OA1181	50mm 4-jaw chuck (self centering)	
SP2100	OA1156	rolling center	
SP2100	OA1158	face plate	
SP2100	OA1155	2-way tool rest	
SP2100	OA1153	auto feeder	
SP2100	OA1004	8mm x 8mm cutter 5pcs set	
SP2100	OA1005	8mm x 8mm cutter 11pcs set	
SP2100	OA1006	8mm x 8mm cutter 6pcs set	
SP2100	OA1154	angle cut rest	
SP2100	OA1157	wood tool rest with center	
SP2100	OA1152	steady rest	
SP2100	OA1159	tailstock chuck (8mm)	
SP2100	OA1000	stand	

Machine Model	Part No.	Product Name	Description
SP2102	OA1131	grinding attachment	2 x grinding disc
SP2102	OA1182	carriage stop	
SP2102	OA1007	160mm face plate	
SP2102	OA1007A	clamping kit for face plate	
SP2102	OA1140	digital readout for cutting depth kit (DRCD kit)	
SP2102	OA1008	steady rest	
SP2102	OA1009	follow rest	
SP2102	OA1100	100mm 3-jaw chuck	
SP2102	OA1100A	100mm 3-jaw chuck with flange	
SP2102	OA1010	80mm 4-jaw chuck (independent)	
SP2102	OA1029A	100mm 4-jaw chuck (independent) with flange	
SP2102	OA1010B	80mm 4-jaw chuck (self-centering)	
SP2102	OA1029B	100mm 4-jaw chuck (self-centering) with flange	
SP2102	OA1013	spindle center MT3	
SP2102	OA1014	rolling center MT2	
SP2102	OA1015	lathe dog	
SP2102	OA1147	rolling tailstock chuck	
SP2102	OA1061	mill attachment	
SP2102	OA1004	8mm x 8mm cutter 5pcs set	
SP2102	OA1005	8mm x 8mm cutter 11pcs set	
SP2102	OA1006	8mm x 8mm cutter 6pcs set	
SP2102	OA1200	8mm x 8mm TiN coated cutter set (replaceable tip)	
SP2102	OA1200-1	TiN coated tip for OA1200	
SP2102	OA1016	cutter 2pcs set with tool-post	1 x tungsten blade & 1 x HSS blade
SP2102	OA1145	cut-off tool with tool-post	1xBase & 3xtoolholder
SP2102	OA1011	quick change tool post	
SP2102	OA1012	tailstock chuck with arbor MT2 13mm	0.8mm tool included
SP2102	OA1130	knurling tool holder	
SP2102	OA1130-1	knurling tool 0.5mm 2pcs	
SP2102	OA1130-2	knurling tool 0.8mm 2pcs	
SP2102	OA1130-3	knurling tool 1.0mm 2pcs	
SP2102	OA1136	rocker tool post	
SP2102	OA1148	mill chuck set 4, 6, 8, 10, 12, 14, 16mm	
SP2102	OA1030	digital spindle speed readout	
SP2102	OA1064	wood toolrest with center	
SP2102	OA1062	digital spindle speed readout	
SP2102	OA1001	Metal Knob & hand wheel kit	
SP2102	OA1002	Metal gear kit (metric)	
SP2102	OA1003	Metal gear kit (imperial)	

Machine Model	Part No.	Product Name	Description
SP2101	OA1000	stand	
SP2101	OA1004	8mm x 8mm cutter 5pcs set	
SP2101	OA1005	8mm x 8mm cutter 11pcs set	
SP2101	OA1006	8mm x 8mm cutter 6pcs set	
SP2101	OA1144	quick change tool post	1xBase & 4xtoolholder
SP2101	OA1035	50mm quick vice	
SP2101	OA1090	mill chuck set 3,4,5,6mm	
SP2101	OA1082	vertical slider	
SP2101	OA1083	horizontal slider	
SP2101	OA1088	headstock center MT2	
SP2101	OA1091	tailstock chuck with shank MT1 (10mm)	
SP2101	OA1084	Metric Thread cutting kits z=40,42,48,50,54,60	
SP2101	OA1085	Imperial Thread cutting kits z=36,40,42,45,48,50,54,57,60	
SP2101	OA1010	80mm 4-jaw chuck (independent)	
SP2101	OA1010B	80mm 4-jaw chuck (self-centering)	
SP2101	OA1086	wood tool rest with center	
SP2101	OA1089	tool holder	1xcut-off blade holder, 1xboring cutter holder
SP2101	OA1089A	cut-off blade 70x2x10mm & boring bar	
SP2101	OA1089A-1	cut-off blade 70x2x10mm	
SP2101	OA1089A-2	boring bar	
SP2101	OA1079	8mm face plate T-slot 112mm T-Slot	
SP2101	OA1079A	clamping kit for face plate	
SP2101	OA1015	lathe dog	
SP2101	OA1093	rolling center MT1	
SP2101	OA1087	ball head cutting set	
SP2101	OA1080	steady rest	
SP2101	OA1081	follow rest	

Machine Model	Part No.	Product Name	Description
SP2103	OA1004	8mm x 8mm cutter 5pcs set	
SP2103	OA1005	8mm x 8mm cutter 11pcs set	
SP2103	OA1006	8mm x 8mm cutter 6pcs set	
SP2103	OA1100	100mm 3-jaw chuck	
SP2103	OA1100A	100mm 3-jaw chuck with flange	
SP2103	OA1010	80mm 4-jaw chuck (independent)	
SP2103	OA1029A	100mm 4-jaw chuck (independent) with flange	
SP2103	OA1010B	80mm 4-jaw chuck (self-centering)	
SP2103	OA1029B	100mm 4-jaw chuck (self-centering) with flange	
SP2103	OA1008	steady rest	
SP2103	OA1009	follow rest	
SP2103	OA1007	160mm face plate	
SP2103	OA1007A	clamping kit for face plate	
SP2103	OA1140	digital readout for cutting depth kit (DRCD kit)	
SP2103	OA1013	spindle center MT3	
SP2103	OA1014	rolling center MT2	
SP2103	OA1015	lathe dog	
SP2103	OA1147	rolling tailstock chuck	
SP2103	OA1148	mill chuck set 4, 6, 8, 10, 12, 14, 16mm	
SP2103	OA1001	Metal Knob & hand wheel kit	
SP2103	OA1002	Metal gear kit (metric)	
SP2103	OA1003	Metal gear kit (imperial)	
SP2103	OA1200	8mm x 8mm TiN coated cutter set (replaceable tip)	
SP2103	OA1200-1	TiN coated tip for OA1200	

OPTIONAL ACCESSORIES

Machine Model	Part No.	Product Name	Description
SP2104	OA1167	mill chuck set 4,6,8,10,12,14,16mm	
SP2104	OA1022	10mm x 10mm cutter 11pcs set	
SP2104	OA1201	10mm x 10mm TiN coated cutter 7pcs set (replaceable tip)	
SP2104	OA1201-1	TiN coated tip for OA1201	
SP2104	OA1164A	stand	
SP2104	OA1165A	digital readout for cutting depth kit (DRCD kit)	
SP2104	OA1165	digital readout for cutting depth kit (DRCD kit)	
SP2104	OA1164	stand	
SP2104	OA1163	oil tray	
SP2104	OA1162A	clamping kit for face plate	
SP2104	OA1162	face plate	
SP2104	OA1160	steady rest	
SP2104	OA1161	follow rest	
SP2104	OA1168	quick change tool post	
SP2104	OA1024	rolling center MT2	
SP2104	OA1027	tailstock chuck MT2 13mm	
SP2104	OA1029	100mm 4-jaw chuck (independent)	

Machine Model	Part No.	Product Name	Description
SP2106(B)	OA3000	4-jaw chuck	
SP2106(B)	OA3001	face plate	
SP2106(B)	OA3002	follow rest	
SP2106(B)	OA3003	steady rest	
SP2106(B)	OA3004	drill chuck+drill arbor	
SP2106(B)	OA3005	live centre	
SP2106(B)	OA3006	leadscrew guard	
SP2106(B)	OA3007	quick change tool post (US Type)	
SP2106(B)	OA1201	10mm x 10mm TiN coated cutter 7pcs set (replaceable tip)	
SP2106(B)	OA1201-1	TiN coated tip for OA1201	
SP2106(B)	OA3008	7 pcs cutter set	
SP2106(B)	OA3009	9 pcs cutter set	
SP2106(B)	OA3010	foot stand	

Machine Model	Part No.	Product Name	Description
SP2108	OA3074	4-jaw chuck	
SP2108	OA3075	follow rest	
SP2108	OA3076	steady rest	
SP2108	OA3077	face plate	
SP2108	OA3078	stand	
SP2108	OA3079	MT2 live centre	
SP2108	OA3080	cutter set 8pcs	
SP2108	OA3081	cutter set 11pcs	

Machine Model	Part No.	Product Name	Description
SP2124	OA3048	face plate	
SP2124	OA3049	125mm 4-jaw chuck	
SP2124	OA3050	steady rest	
SP2124	OA3051	follow rest	
SP2124	OA3052	stand	
SP2124	OA3053	chuck safety guard	
SP2124	OA3054	lead-screw safety guard	
SP2124	OA3055	top slide cover	
SP2124	OA3056	MT2 live center	
SP2124	OA3057	change gear set (imperial)	
SP2124	OA3058	tailstock chuck	
SP2124	OA3073	10mm x 10mm cutters 11pcs set	
SP2124	OA1201	10mm x 10mm TiN coated cutter 7pcs set (replaceable tip)	
SP2124	OA1201-1	TiN coated tip for OA1201	

Machine Model	Part No.	Product Name	Description
SP2105	OA1019	steady rest	
SP2105	OA1020	follow rest	
SP2105	OA1063	wood tool-rest with center	
SP2105	OA1017	Stand for 400mm model	
SP2105	OA1018	Stand for 550mm model	
SP2105	OA1060	vertical slider	
SP2105	OA1149	mill chuck set 4,6,8,10,12,14,16mm	
SP2105	OA1023	220mm face plate	
SP2105	OA1023A	clamping kit for face plate	
SP2105	OA1028	cutter 2pcs set with tool-post	1 x tungsten blade & 1 x HSS blade
SP2105	OA1022	10mm x 10mm cutter 11pcs set	
SP2105	OA1201	10mm x 10mm TiN coated cutter 7pcs set (replaceable tip)	
SP2105	OA1201-1	TiN coated tip for OA1201	
SP2105	OA1151	digital readout for cutting depth kit (DRCD kit)	
SP2105	OA1027	tailstock chuck MT2 13mm	
SP2105	OA1026	quick change tool post	1xBase & 3xtoolholder
SP2105	OA1024	rolling center MT2	
SP2105	OA1025	125mm 4-jaw chuck (independent)	
SP2105	OA1025A	125mm 4-jaw chuck (independent) with flange	
SP2105	OA1131	grinding attachment	2 x grinding disc
SP2105	OA1021	grinding & milling attachment	

Machine Model	Part No.	Product Name	Description
SP2107(B)	OA3000	4-jaw chuck	
SP2107(B)	OA3001	face plate	
SP2107(B)	OA3002	follow rest	
SP2107(B)	OA3003	steady rest	
SP2107(B)	OA3004	drill chuck+drill arbor	
SP2107(B)	OA3005	live centre	
SP2107(B)	OA3006	leadscrew guard	
SP2107(B)	OA3007	quick change tool post (US Type)	
SP2107(B)	OA1201	10mm x 10mm TiN coated cutter 7pcs set (replaceable tip)	
SP2107(B)	OA1201-1	TiN coated tip for OA1201	
SP2107(B)	OA3008	7 pcs cutter set	
SP2107(B)	OA3009	9 pcs cutter set	
SP2107(B)	OA3011	foot stand	

Machine Model	Part No.	Product Name	Description
SP2109	OA3074	4-jaw chuck	
SP2109	OA3075	follow rest	
SP2109	OA3076	steady rest	
SP2109	OA3077	face plate	
SP2109	OA3078	stand	
SP2109	OA 3079	MT2 live centre	
SP2109	OA3080	cutter set 8pcs	
SP2109	OA3081	cutter set 11pcs	

Machine Model	Part No.	Product Name	Description
SP2127	OA1205	Stead rest	
SP2127	OA1206	Follow rest	
SP2127	OA1207	250mm face plate	
SP2127	OA1208	mill attachment	
SP2127	OA1209	Stand	
SP2127	OA1210	140mm 4-jaw chuck	
SP2127	OA1211	mill chuck set 4,6,8,10,12,14,16mm	
SP2127	OA1212	quick change cutter rest	
SP2127	OA1213	12mm x 12mm cutter 11 pieces set	
SP2127	OA1214	DRCD kit	
SP2127	OA1202	12mm x 12mm TiN coated cutter 7pcs set (replaceable tip)	
SP2127	OA1202-1	TiN coated tip for OA1202	

VARIABLE SPEED MILL

Feature

- Variable speed
- Head Tilttable
- Easy work with big table

Specifications

Drilling capacity	10 mm
End milling capacity	10 mm
Face milling capacity	16 mm
Headstock travel	230 mm
Cross axis	130 mm
Longitudinal axis	300 mm
Throat	140 mm
Head tilt	45°L, 45°R
Max. distance spindle to table	220 mm
Spindle taper	MT2
Motor output power	150 W
Spindle speed	Low range 100-1000 rpm±10% High range 100-2000 rpm±10%
Table effective size	400x145 mm
T-slot size	8 mm
Overall dimension (LxWxH)	500x350x690 mm
Weight (Net/Gross)	40/56 kg
Packing size (LxWxH)	530x400x630 mm

Standard attachment

Ø10 mm Drill chuck Wrench set Oil can



SP2201

VARIABLE SPEED MILL

Specifications

Drilling capacity	10 mm
End milling capacity	10 mm
Face milling capacity	16 mm
Headstock travel (Z)	230 mm
Cross axis (X)	130 mm
Longitudinal axis (Y)	180 mm
Throat	140 mm
Head tilt	45°L, 45°R
Max. distance spindle to table	220 mm
Spindle taper	MT2
Motor output power	150 W
Spindle speed	Low range 100-1000 rpm±10% High range 100-2000 rpm±10%
Table effective size	240x145 mm
T-slot size	8 mm
Overall dimension (LxWxH)	400x320x600 mm
Weight (Net/Gross)	40/56 kg
Packing size (LxWxH)	480x400x630 mm
Loading	162 pcs/20'

Standard attachment

Ø10 mm Drill chuck Wrench set Oil can



SP2202



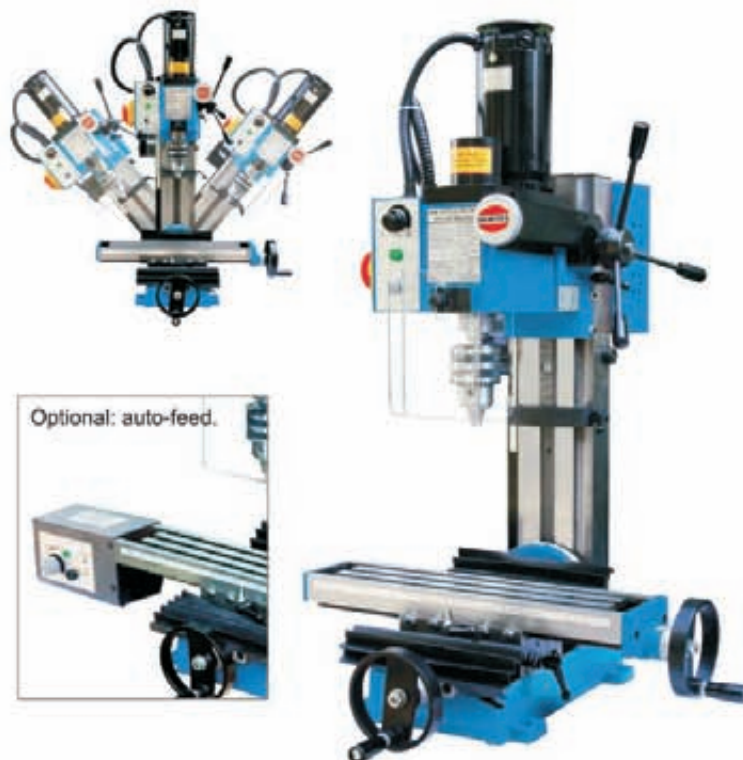
VARIABLE SPEED MILL

Specifications

Drilling capacity	13 mm
End milling capacity	16 mm
Face milling capacity	30 mm
Headstock travel (Z)	180 mm
Cross axis (X)	100 mm
Longitudinal axis (Y)	220 mm
Throat	170 mm
Max. distance spindle to table	280 mm
Head tilt	45°L, 45°R
Spindle taper	MT3 or R8
Motor output power	350 W
Spindle speed	Low range 100-1100 rpm±10%
	High range 100-2500 rpm±10%
Table effective size	390x92 mm
T-slot size	12 mm
Overall dimension (LxWxH)	520x500x700 mm
Weight (Net/Gross)	50/68 kg
Packing size (LxWxH)	550x550x730 mm
Loading	132 pcs/20'

Standard attachment

Ø13 mm Drill chuck Wrench set Oil can



SP2203-I

VARIABLE SPEED MILL

Feature

- **Brushless Motor**
- Upgraded version of SP2203-I
- Improved PC Board
- Greater Durability
- Higher Efficiency
- Maintenance-free
- Noise-free

Specifications

Drilling capacity	13 mm
End milling capacity	16 mm
Face milling capacity	30 mm
Longitudinal axis (X)	220 mm
Cross axis (Y)	100 mm
Headstock travel (Z)	180 mm
Spindle taper	MT3 or R8
Throat	170 mm
Max. distance spindle to table	280 mm
Table effective size	390x92 mm
T-slot size	12 mm
Head tilt	45°L, 45°R
Motor output power(Brushless motor)	500 W
Spindle speed	100-2500 rpm±10%
Overall dimension (LxWxH)	520x500x700 mm
Packing size (LxWxH)	540x540x730 mm
Weight (Net/Gross)	50/68 kg

Standard attachment

Ø13 mm Drill chuck
Wrench set
Oil can



SP2203-II

VARIABLE SPEED MILL

Specifications

Max. drilling capacity	16 mm
Max. end milling capacity	12 mm
Max. face milling capacity	50 mm
Table size	400x120 mm
T-slot size	10 mm
Longitudinal travel	160 mm
Cross travel	220 mm
Vertical travel	210 mm
Taper of spindle bore	MT2
Spindle stroke	50 mm
Max. distance spindle of table	285 mm
Range of spindle speeds	50-2250 rpm
Head tilt left & right	±90°
Power of motor	500 W
Packing size	500x450x760 mm
Net weight	70 kg

Feature

Spindle speed readout
Cutting depth readout
Variable speed
Head tilt

SP2217-I



VARIABLE SPEED MILL

Feature

Spindle speed readout
Cutting depth readout
Variable speed
Head tilt

SP2217-II

Specifications

Drilling capacity	20 mm
Face milling capacity	63 mm
End milling capacity	20 mm
Spindle taper	MT2
Sleeve travel	50 mm
Spindle speed	50-2250 rpm
Head rotation	±90°
Table size	500x180/700x180 mm
X-axis travel	280/480 mm
Y-axis travel	175 mm
Z-axis travel	380 mm
T-slot	12 mm
Motor	750 W
Packing size	670/870x550x860 mm
Net weight	103/115 kg



Optional auto-feeder

VARIABLE SPEED MILL

Specifications

Drilling capacity	25 mm
Face milling capacity	63 mm
End milling capacity	20 mm
Spindle taper	MT3/R8
Sleeve travel	50 mm
Spindle speed	50-2250 rpm
Head rotation	±90°
Table size	500x180/700x180 mm
X-axis travel	280/480 mm
Y-axis travel	175 mm
Z-axis travel	380 mm
T-slot	12 mm
Motor	750 W
Packing size	670/870x550x860 mm
Net weight	113/125 kg

Feature

Spindle speed readout
Cutting depth readout
Variable speed
Head tilt

SP2217-III



VARIABLE SPEED MILL

Specifications

Drilling capacity	25 mm
End mill capacity	16 mm
Face mill capacity	50 mm
Spindle stroke	80 mm
Throat	230 mm
Max. distance spindle to table	380 mm
Spindle taper	MT3 or R8
Spindle speed	High range 100-2000 rpm±10%
	Low range 100-1000 rpm±10%
Table effective size	550x160 mm
T-slot size	12 mm
Table cross travel	145 mm
Table longitudinal travel	400 mm
Motor output power	600 W
Overall dimension (LxWxH)	760x720x930 mm
Weight (Net/Gross)	165/198 kg
Packing size (LxWxH)	800x800x1060 mm
Loading	28 pcs/20'

Standard attachment

Ø16 mm Drill chuck Wrench set Oil can



VARIABLE SPEED MILL

- Variable spindle speed
- Feeding depth and spindle speed digital readout
- Touching switch
- Tapping function

- Brushless motor
- Fine feeding function
- Horizontal milling
- Rotatory spindle box

Specifications

Drilling capacity	25 mm
Max. tapping capacity	12 mm
End mill capacity	16 mm
Face mill capacity	50 mm
Spindle stroke	70 mm
Throat	230 mm
Max distance spindle to table	380 mm
Spindle taper	MT3 or R8
Spindle speed	100-1750 rpm±10%
Table effective size	550x160 mm
T-slot size	12 mm
Table cross travel	145 mm
Table longitudinal travel	400 mm
Motor output power	1000 W
Overall dimension (LxWxH)	760x720x930 mm
Weight (Net/Gross)	165/198 kg
Packing size (LxWxH)	800x800x1060 mm
Loading	28 pcs/20'

Standard attachment

Ø16 mm Drill chuck Wrench set Oil can



VARIABLE SPEED MILL

Specifications

Drilling capacity	32 mm
Face milling capacity	80 mm
End milling capacity	25 mm
Spindle taper	MT3 or R8
Sleeve travel	70 mm
Spindle speed	50-2250 rpm
Head rotation	±90°
Table size	700x210/840x210 mm
X-axis travel	425/625 mm
Y-axis travel	220 mm
Z-axis travel	370 mm
T-slot	14 mm
Motor	1100 W
Packing size	710/850x890x1150 mm
Net weight	220/240 kg

Feature

Spindle speed readout
Cutting depth readout
Variable speed
Head tilt

SP2217-IV

Optional auto-feeder



VARIABLE SPEED MILL

Specifications

Drilling capacity	30 mm
Max. tapping capacity	16 mm
End mill capacity	40 mm
Face mill capacity	55 mm
Longitudinal axis (X)	410 mm
Cross axis (Y)	245 mm
Headstock travel (Z)	335 mm
Spindle taper	MT4 or R8
Throat	290 mm
Max distance spindle to table	400 mm
Table effective size	240x820 mm
T-slot size	14 mm
Head tilt	45°L, 45°R
Motor output power	1500 W
Spindle speed	100-1600 rpm±10%
Overall dimension (LxWxH)	1060x835x1080 mm
Packing size (LxWxH)	1160x920x1110 mm
Weight (Net/Gross)	355/375 kg

Brushless motor

Optional auto-feeder

SP2220



Optional Stand



Tilting angle display (Patent)



VARIABLE SPEED MILLING & DRILLING MACHINE



SP2218-I/II

Belt Driven



SP2218-III/IV

Specifications

Model	SP2218-I	SP2218-II	SP2218-III	SP2218-IV
Drilling capacity	20 mm	32 mm	40 mm	45 mm
Face milling capacity	63 mm	63 mm	80 mm	80 mm
End milling capacity	20 mm	20 mm	32 mm	32 mm
Distance from spindle nose to table	435 mm	450 mm	450 mm	450 mm
Min.distance from spindle axis to column	181.5 mm	203.5 mm	203.5 mm	203.5 mm
Spindle travel	85 mm	130 mm	130 mm	130 mm
Spindle taper	MT3 or R8	MT3 or R8	MT4 or R8	MT4 or R8
Step of spindle speed	12	12	12	12
Range of spindle speed 50Hz	100~2200 r.p.m	80~2080 r.p.m	80~2080 r.p.m	80~2080 r.p.m
60Hz	120~2640 r.p.m	100~2500 r.p.m	100~2500 r.p.m	100~2500 r.p.m
Swivel angle of headstock (horizontally)	360°	360°	360°	360°
Table size	520x160 mm	800x240 mm	800x240 mm	800x240 mm
Forward and backward travel of table	140 mm	175 mm	175 mm	175 mm
Left and right travel of table	290 mm	500 mm	500 mm	500 mm
*Motor Power	0.55 KW	0.75 KW	1.1 KW	1.5 KW
Voltage/frequency	As customer's requirement	As customer's requirement	As customer's requirement	As customer's requirement
Net weight/Gross weight	130 kg/190 kg	280 kg/330 kg	283 kg/333 kg	285 kg/335 kg
Packing size	620x750x1000 mm	1020x820x1160 mm	1020x820x1160 mm	1020x820x1160 mm
Loading amount	48 pcs/20' container	28 pcs/20' container	28 pcs/20' container	28 pcs/20' container

VARIABLE SPEED MILLING & DRILLING MACHINE

Specifications

	SP2206-I	SP2206-II
Drilling capacity	32 mm	40 mm
Face milling capacity	63 mm	80 mm
End milling capacity	20 mm	32 mm
Distance from spindle nose to table	440 mm	440 mm
Distance from spindle axis to column	272.5 mm	272.5 mm
Spindle travel/taper	130/MT3.R8	130/MT4.R8
Step/Range of spindle speed 50Hz	6/80~1250 rpm	6/80~1250 rpm
60Hz	6/95~1500 rpm	6/95~1500 rpm
Headstock swivel angle	360°	360°
(horizontally/perpendicular)	±90°	±90°
Table size	800x240 mm	800x240 mm
Forward and backward travel of table	175 mm	175 mm
left and right travel of table	500 mm	500 mm
Motor power	0.75 KW	1.1 KW
Net/Gross weight	315/365 kgs	318/368 kgs
Packing size	770x880x1160 mm	770x880x1160 mm
Loading amount	36 pcs/20'	36 pcs/20'

Standard accessories

Wedge Wrench Drill stock Screw driver 6" Drawbar, washer
Allen wrenches 3,4,5,6, mm

Optional Stand

SP2206



VARIABLE SPEED MILLING & DRILLING MACHINE

Specifications

	SP2207-I	SP2207-II
Drilling capacity	25 mm	32 mm
Face milling capacity	63 mm	63 mm
End milling capacity	20 mm	20 mm
Distance from spindle nose to table	445 mm	450 mm
Distance from spindle axis to column	203 mm	260 mm
Spindle travel/taper	85 mm/MT3.R8	130 mm/MT3.R8
Step / Range of spindle speed 50Hz	6/95~1420 rpm	6 / 80~1250 rpm
60Hz	6/115~1700 rpm	6 / 95~1500 rpm
Headstock swivel angle (perpendicular)	90°	90°
Table size	520x160 mm	800x240 mm
Forward and backward travel of table	140 mm	175 mm
left and right travel of table	290 mm	500 mm
Motor power	0.37 KW	0.75 KW, 1HP
Net/Gross weight	180/240 kgs	320/370 kgs
Packing size	680x750x1000 mm	770x880x1160 mm
Loading amount	48 pcs/20'	36 pcs/20'

Standard accessories

Wedge Wrench Drill stock Screw driver 6" Drawbar, washer
Allen wrenches 3,4,5,6, mm

Optional Stand

SP2207



VARIABLE SPEED MILLING & DRILLING MACHINE

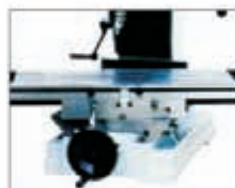
Specifications	SP2208-I	SP2208-II
Drilling capacity	40mm	45 mm
Boring diameter	60mm	70 mm
Face/End milling capacity	80/32mm	80/32 mm
Distance from spindle nose to table	450mm	450 mm
Distance from spindle axis to column	260mm	260 mm
Spindle travel/taper	130mm/MT4.R8	130 mm/MT4.R8
Step/Range of spindle speed 50Hz	6/80~1250rpm	6/80~1250 rpm
60Hz	6/95~1500rpm	6/95~1500 rpm
Auto-feeding step/range of spindle	0.06~0.30mm/r	0.06~0.30 mm/r
Headstock swivel angle (perpendicular)	90°	90°
Table size	800/900x240 mm	800/900x240 mm
Forward and backward travel of table	175mm	175 mm
left and right travel of table	500mm	500 mm
Motor power	1.1KW,1.5HP	1.5 KW,2HP
Net/Gross weight	323/373kgs	325/375 kgs
Packing size	770x880x1160 mm	770x880x1160 mm
Loading amount	36 pcs/20'	36 pcs/20'

Standard accessories

Drawbar, washer Wedge
Screw driver 6" Wrench
Allen wrenches 3,4,5,6, mm
Drill stock



Optional: Power feeder with variable speed



Swivel worktable available



SP2208

VARIABLE SPEED MILLING & DRILLING MACHINE

Specifications	
Max. drill capacity	45 mm
Max. mill capacity(End/Face)	32/80 mm
Swivel angle(Horizontal/Perpendicular)	~±90°
Distance from spindle axis to column surface	279 mm
Spindle travel	M.T.4/R8
Distance between spindle nose to table	425 mm
Spindle travel	130 mm
Step of speeds	6
Range of speeds (50Hz)	80~1250 r/min
(4 pole motor) (60Hz)	100~1500 r/min
Step of speeds (spindle)	6
Range of speeds	0.05~0.35 r/min
Table size	800/900x240 mm
Forward and backward travel of table	205 mm
Left and right travel of table	585 mm
Power	1.5 KW
Voltage/Frequency	As customer's requirement
Net/Gross weight	380/420 kg
Packing size(LxWxH)	880x770x1160 mm

Standard accessories

Drawbar, washer Wedge Drill stock Wrench
Allen wrenches 3,4,5,6, mm Screw driver 6"



SP2209

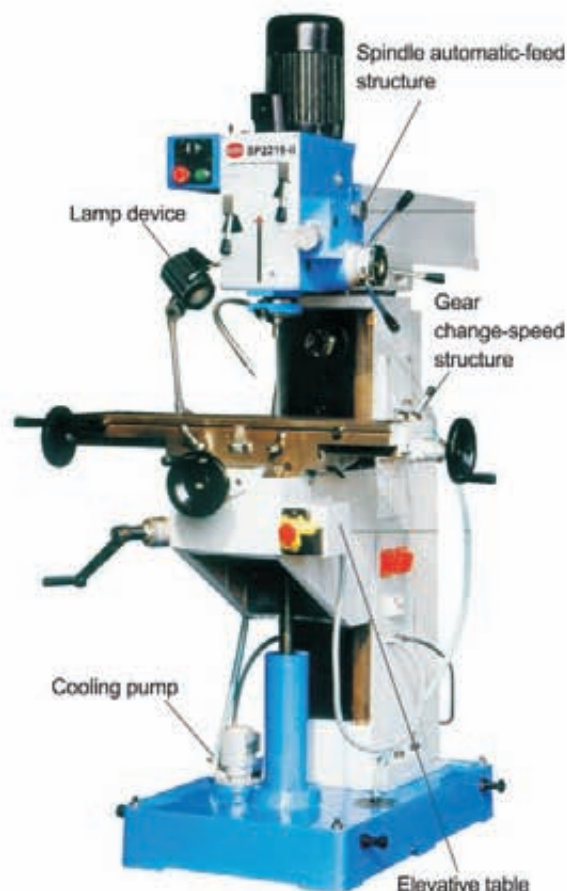
VERTICAL AND HORIZONTAL MILLING & DRILLING MACHINE

Standard accessories

Sleeve or dull spanner Drill chuck
Slanting block Slanner
Taper shaft of drill chuck
4PCS internal six-side spanner
Face mill cutter with handle



SP2219-I



SP2219-II

Specifications

Model	SP2219-I	SP2219-II
Max.drill capacity	32 mm	50 mm
Max.mill capacity (end/face)	25/100 mm	32/100 mm
Swivel angle (horizontal/perpendicular)	$\sim \pm 90^\circ$	$\sim \pm 90^\circ$
Spindle taper(end/horizontal)	MT3/R8/MT4	MT4/R8/ISO30
Distance from spindle axis to work-table	80~480 mm	80~480 mm
Spindle travel	130 mm	130 mm
Beam travel	500 mm	500 mm
Step of speeds	6/12	6/12
Range of speeds (50Hz)(r/min)	38~1280 r/min	38~1280 r/min
(4 pole motor) (60Hz)(r/min)	45~1540 r/min	45~1540 r/min
End milling step of speeds(spindle)	3	3
End milling range of speeds(r/min)	0.12 0.18 0.25	0.12 0.18 0.25
Table size	800/1000x240 mm	800/1000x240 mm
Forward and backward travel of table	300 mm	300 mm
Left and right travel of table	585 mm	585 mm
Vertical travel of table	400 mm	400 mm
Motor (Primary/Secondary)	0.75 W/1.5 KW	1.5 W/1.5 KW
Voltage/Frequency	As customer's requirement	As customer's requirement
Weight (Net/Gross)	910/1000 kg	930/1030 kg
Packing size (LxWxH)	1020x1350x1850 mm	1220x1350x1850 mm

OPTIONAL ACCESSORIES

Machine Model	Part No.	Product Name	Description
SP2201-2202	OA1094	100mm rotary table with T-nut & bolts	
SP2201-2202	OA1094-1	dividing plate for OA1094	
SP2201-2202	OA1094-2	tail stock for OA1094	
SP2201-2202	OA1190	80mm 3 jaw chuck	
SP2201-2202	OA1010	80mm 4 jaw chuck (independent)	
SP2201-2202	OA1104	6mm clamping kit 12pcs set	
SP2201-2202	OA1105	6mm clamping kit 24pcs set	
SP2201-2202	OA1066	Metric 4 flute HSS end mill 6pcs set 3,4,5,6,8,10mm	
SP2201-2202	OA1102	Imperial 4 flute HSS end mill 6pcs set 1/8,5/32,5/16,1/4,3/16,3/8	
SP2201-2202	OA1116	MT2 stub milling machine arbor 13mm	
SP2201-2202	OA1117	MT2 boring arbor with boring cutter	
SP2201-2202	OA1108	vice 55mm	
SP2201-2202	OA1133	vice with adjustable angle 70mm	
SP2201-2202	OA1035	50mm quick vice	
SP2201-2202	OA1078	MT2 collet 6pcs set 3,4,5,6,8,10mm	
SP2201-2202	OA1069	Metric 2 flute HSS end mill 6pcs set 3,4,5,6,8,10mm	
SP2201-2202	OA1070	MT2 mill chuck set 3,4,5,6,8,10mm	
SP2201-2202	OA1071	MT2 indexable carbide end mill 16mm	
SP2201-2202	OA1071-1	blade for OA1071	
SP2201-2202	OA1118	MT2 13mm stub milling machine arbor for splitting saw	
SP2201-2202	OA1118-1	50mm blade for OA1118	
SP2201-2202	OA1118-2	63mm blade for OA1118	
SP2201-2202	OA1107	oil tray	

Machine Model	Part No.	Product Name	Description
SP2204-2205	OA1094	100mm rotary table with T-nut & bolts	
SP2204-2205	OA1094-1	dividing plate for OA1094	
SP2204-2205	OA1094-2	tail stock for OA1094	
SP2204-2205	OA1190	80mm 3 jaw chuck	
SP2204-2205	OA1010	80mm 4 jaw chuck (independent)	
SP2204-2205	OA1135	work table with angle adjustment	
SP2204-2205	OA1036	100mm quick vice	
SP2204-2205	OA1142	vice with angle adjustment 100mm	
SP2204-2205	OA1109	80mm vice	
SP2204-2205	OA1141	auto-feeder	
SP2204-2205	OA1056	drill bits 25pcs set 1-13mm	
SP2204-2205	OA1057	TiN coated drill bits 25pcs set 1-13mm	
SP2204-2205	OA1058	drill bits 19pcs set 1-10mm	
SP2204-2205	OA1059	TiN coated drill bits 19pcs set 1-10mm	
SP2204-2205	OA1065	Metric 4 flute HSS end mill 7pcs set 4,6,8,10,12,14,16mm	
SP2204-2205	OA1103	Imperial 4 flute HSS end mill 8pcs set 1/8,3/16,1/4,3/8,5/16,9/16,1/2,5/8	
SP2204-2205	OA1046	MT3 30mm indexable carbide end mill	
SP2204-2205	OA1047	10mm clamping kit 42pcs set	
SP2204-2205	OA1045	Metric 2 flute HSS end mill 7pcs set 4,6,8,10,12,14,16	
SP2204-2205	OA1126	MT3 collet 7pcs set 4,6,8,10,12,14,16mm	
SP2204-2205	OA1037	MT3 Metric mill chuck set 4,6,8,10,12,14,16mm	
SP2204-2205	OA1037A	MT3 Imperial mill chuck set 1/8,3/16,1/4,3/8,5/16,9/16,1/2,5/8	
SP2204-2205	OA1127	MT3 16mm	
SP2204-2205	OA1128	MT3 Boring arbor with cutter	
SP2204-2205	OA1129	MT3 16mm stub milling machine arbor	
SP2204-2205	OA1129-1	50mm blade for OA1129	
SP2204-2205	OA1129-2	63mm blade for OA1129	
SP2204-2205	OA1113	50mm MT3 indexable carbide end mill	
SP2204-2205	OA1114	stand	
SP2204-2205	OA1114A	one piece stand	
SP2204-2205	OA1114C	assembling stand	
SP2204-2205	OA1150	worktable for horizontal milling	

Machine Model	Part No.	Product Name	Description
SP2203	OA1094	100mm rotary table with T-nut & bolts	
SP2203	OA1094-1	dividing plate for OA1094	
SP2203	OA1094-2	tail stock for OA1094	
SP2203	OA1190	80mm 3 jaw chuck	
SP2203	OA1010	80mm 4 jaw chuck (independent)	
SP2203	OA1036	100mm quick vice	
SP2203	OA1132	auto-feeder	
SP2203	OA1065	Metric 4 flute HSS end mill 7pcs set 4,6,8,10,12,14,16mm	
SP2203	OA1103	Imperial 4 flute HSS end mill 8pcs set 1/8,3/16,1/4,3/8,5/16,9/16,1/2,5/8	
SP2203	OA1046	MT3 30mm indexable carbide end mill	
SP2203	OA1047	10mm clamping kit 42pcs set	
SP2203	OA1045	Metric 2 flute HSS end mill 7pcs set 4,6,8,10,12,14,16	
SP2203	OA1126	MT3 collet 7pcs set 4,6,8,10,12,14,16mm	
SP2203	OA1037	MT3 Metric mill chuck set 4,6,8,10,12,14,16mm	
SP2203	OA1037A	MT3 Imperial mill chuck set 1/8,3/16,1/4,3/8,5/16,9/16,1/2,5/8	
SP2203	OA1127	MT3 16mm	
SP2203	OA1128	MT3 Boring arbor with cutter	
SP2203	OA1129	MT3 16mm stub milling machine arbor	
SP2203	OA1129-1	50mm blade for OA1129	
SP2203	OA1129-2	63mm blade for OA1129	
SP2203	OA1056	drill bits 25pcs set 1-13mm	
SP2203	OA1057	TiN coated drill bits 25pcs set 1-13mm	
SP2203	OA1058	drill bits 19pcs set 1-10mm	
SP2203	OA1059	TiN coated drill bits 19pcs set 1-10mm	
SP2203	OA1030	digital spindle speed readout	
SP2203	OA1109	80mm vice	

Machine Model	Part No.	Product Name	Description
SP2206	OA3088	stand	
SP2206	OA3089	oil tray	
SP2206	OA3090	auto-feeder	
SP2206	OA3091	90mm Vice	
SP2206	OA3092	125mm Vice	
SP2206	OA3139	12mm clamping kit	
SP2206	OA3093	Drill chuck	
SP2206	OA3094	indexable carbide end mill	
SP2206	OA3095	taper change sleeve	
SP2206	OA3096	mill collet set	
SP2206	OA3097	boring bar	
SP2206	OA3098	auto tapping system	
SP2206	OA3099	halogen work light	
SP2206	OA3134	swivel worktable	
SP2206	OA3100	coolant system	
SP2206	OA3101	2-AXIS DRCD	

Machine Model	Part No.	Product Name	Description
SP2217	OA3082	Stand	
SP2217	OA3083	Drill chuck 3-16mm	
SP2217	OA3084	mill collet set (4-16mm)	
SP2217	OA3085	HSS end mill set (4-16mm)	
SP2217	OA3134	auto-feeder	
SP2217	OA3135	80mm vice	
SP2217	OA3136	100mm vice	
SP2217	OA3138	keyless drill chuck	
SP2217	OA3137	fine feeder & digital readout for SP2217-I	
SP2217	OA3086	58 pcs clamping kit	

OPTIONAL ACCESSORIES

Machine Model	Part No.	Product Name	Description
SP2207	OA3088	stand	
SP2207	OA3089	oil tray	
SP2207	OA3090	auto-feeder	
SP2207	OA3091	90mm Vice	
SP2207	OA3092	125mm Vice	
SP2207	OA3139	12mm clamping kit	
SP2207	OA3093	Drill chuck	
SP2207	OA3094	indexable carbide end mill	
SP2207	OA3095	taper change sleeve	
SP2207	OA3096	mill collet set	
SP2207	OA3097	boring bar	
SP2207	OA3098	auto tapping system	
SP2207	OA3099	halogen work light	
SP2207	OA3134	swivel worktable	
SP2207	OA3100	coolant system	
SP2207	OA3101	2-AXIS DRCD	
SP2207	OA3102	3-AXIS DRCD	

Machine Model	Part No.	Product Name	Description
SP2208	OA3088	stand	
SP2208	OA3089	oil tray	
SP2208	OA3090	auto-feeder	
SP2208	OA3091	90mm Vice	
SP2208	OA3092	125mm Vice	
SP2208	OA3139	12mm clamping kit	
SP2208	OA3093	Drill chuck	
SP2208	OA3094	indexable carbide end mill	
SP2208	OA3095	taper change sleeve	
SP2208	OA3096	mill collet set	
SP2208	OA3097	boring bar	
SP2208	OA3098	auto tapping system	
SP2208	OA3099	halogen work light	
SP2208	OA3134	swivel worktable	
SP2208	OA3100	coolant system	
SP2208	OA3101	2-AXIS DRCD	
SP2208	OA3102	3-AXIS DRCD	

Machine Model	Part No.	Product Name	Description
SP2209	OA3088	stand	
SP2209	OA3089	oil tray	
SP2209	OA3090	auto-feeder	
SP2209	OA3091	90mm Vice	
SP2209	OA3092	125mm Vice	
SP2209	OA3139	12mm clamping kit	
SP2209	OA3093	Drill chuck	
SP2209	OA3094	indexable carbide end mill	
SP2209	OA3095	taper change sleeve	
SP2209	OA3096	mill collet set	
SP2209	OA3097	boring bar	
SP2209	OA3098	auto tapping system	
SP2209	OA3099	halogen work light	
SP2209	OA3134	swivel worktable	
SP2209	OA3100	coolant system	
SP2209	OA3101	2-AXIS DRCD	
SP2209	OA3102	3-AXIS DRCD	

Machine Model	Part No.	Product Name	Description
SP2219	OA3090	auto-feeder	
SP2219	OA3091	90mm Vice	
SP2219	OA3092	125mm Vice	
SP2219	OA3139	12mm clamping kit	
SP2219	OA3093	drill chuck	
SP2219	OA3094	indexable carbide end mill	
SP2219	OA3095	taper change sleeve	
SP2219	OA3096	mill collet set	
SP2219	OA3097	boring bar	
SP2219	OA3098	auto tapping system	
SP2219	OA3134	swivel worktable	
SP2219	OA3101	2-AXIS DRCD	

Machine Model	Part No.	Product Name	Description
SP2218	OA3088	stand	
SP2218	OA3089	oil tray	
SP2218	OA3090	auto-feeder	
SP2218	OA3091	90mm Vice	
SP2218	OA3092	125mm Vice	
SP2218	OA3139	12mm clamping kit	
SP2218	OA3093	Drill chuck	
SP2218	OA3094	indexable carbide end mill	
SP2218	OA3095	taper change sleeve	
SP2218	OA3096	mill collet set	
SP2218	OA3097	boring bar	
SP2218	OA3098	auto tapping system	
SP2218	OA3099	halogen work light	
SP2218	OA3134	swivel worktable	
SP2218	OA3100	coolant system	
SP2218	OA3101	2-AXIS DRCD	

Machine Model	Part No.	Product Name	Description
SP2220	OA1143	150mm rotary table	
SP2220	OA1143-1	dividing plate for OA1143	
SP2220	OA1143-2	tailstock for OA1143	
SP2220	OA1054	MT4 to MT3 taper change sleeve	
SP2220	OA1049	12mm clamping kit 58pcs set	
SP2220	OA1056	drill bits 25pcs set 1-13mm	
SP2220	OA1057	TiN coated drill bits 25pcs set 1-13mm	
SP2220	OA1058	drill bits 19pcs set 1-10mm	
SP2220	OA1059	TiN coated drill bits 19pcs set 1-10mm	
SP2220	OA1037	MT3 Metric mill chuck set 4,6,8,10,12,14,16mm	
SP2220	OA1037A	MT3 Imperial mill chuck set 1/8,3/16,1/4,3/8,5/16,9/16,1/2,5/8	
SP2220	OA1127	MT3 16mm	
SP2220	OA1128	MT3 Boring arbor with cutter	
SP2220	OA1129	MT3 16mm stub milling machine arbor	
SP2220	OA1129-1	50mm blade for OA1129	
SP2220	OA1129-2	63mm blade for OA1129	
SP2220	OA1113	50mm MT3 indexable carbide end mill	
SP2220	OA1048	125mm vice (HQ type)	
SP2220	OA1141	power feeder	

MULTI - PURPOSE MACHINE

Specifications

Cutting

Swing over bed	140 mm
Distance between centers	250 mm
Hole through spindle	10 mm
Spindle taper	MT2
Tailstock taper	MT1
Spindle speed	100~2000 rpm±10%
Cross slide travel	50 mm
Range of threads Metric	0.5~1.25 mm (5 thread pitches)
or Imperial	16-24 TPI (5 thread pitches)

Drilling and milling

Max.drilling/milling capacity	10 mm
Travel of drilling/milling spindle	30 mm
Drilling/milling spindle speed	100~1500 rpm±10%
T-slot	8 mm
Motor output power	150 W
Overall dimension (LxWxH)	620x330x570 mm
Net/Gross weight	45/51 kg
Packing size (LxWxH)	690x430x615 mm
Loading	160 pcs/20'

Standard attachment

Ø80 mm Three chuck Ø10 mm Drill chuck Wrench set
Oil can



MULTI - PURPOSE MACHINE

Model 400/550

Specifications

Cutting (Lathe)

Swing over bed	250 mm
Distance between centers	Model 400 400 mm
	Model 550 550 mm
Hole through spindle	20 mm
Spindle taper	MT3
Tailstock taper	MT2
Spindle speed (6 steps)	125-2000 rpm
Compound travel	75 mm
Cross slide travel	110 mm
Motor output power	550 W
Thread range Metric	0.4-3.0 mm (12 threads pitches)
or Inch	10-44 TPI (8 threads pitches)
Weight (Net/Gross)	Model 400 125/160 kg
	Model 550 145/180 kg
Packing Size (LxWxH)	Model 400 1040x670x570 mm
	Model 550 1200x640x570 mm

Drilling & Milling

Drilling capacity	13 mm
End milling capacity	16 mm
Face milling capacity	30 mm
Spindle taper	MT3 or R8
Spindle speed	Low range 100-1100 rpm±10%
	High range 100-2500 rpm±10%
Headstock travel	180 mm
Spindle to worktable	245 mm
Head tilt	45°L, 45°R
Motor output power	350 W
Weight (Net/Gross)	50/65 kg



Packing size	550x550x730 mm
Overall dimension (LxWxH)	400 1100x680x860 mm
	550 1200x680x860 mm
Loading	44 pcs/20'
	42 pcs/20'

Standard Attachment

Ø125 mm three jaw chuck
Ø13 mm drill chuck with taper shank
Dead centers MT3 and MT2
Gear set
Mill table



MULTI-PURPOSE MACHINE

Specifications

Cutting (Lathe)

Swing over bed	210 mm
Distance between centers	410 mm
Spindle bore	20 mm
Spindle taper	MT#3
Tailstock taper	MT#2
Spindle speed	150-1000 rpm $\pm 10\%$
Compound travel	70 mm
Cross slide travel	100 mm
Motor output power	1000W
Thread range Metric	0.25-3.0 mm (17 threads pitches)
or Inch	8-24 TPI (10 threads pitches)
Packing Size (LxWxH)	1070x710x530 mm
Weight (Net/Gross)	95/125 kg

Drilling & Milling

Drilling capacity	10 mm
End milling capacity	10 mm
Face milling capacity	20 mm
Spindle taper	MT#2
Spindle speed Low range	100-1000 rpm $\pm 10\%$
High range	100-2000 rpm $\pm 10\%$
Spindle travel	30 mm
Headstock travel	230 mm
Spindle to worktable	175 mm
Head tilt	45°L, 45°R
Motor	150 W
Packing Size (LxWxH)	480x400x630 mm
Weight (Net/Gross)	40/50 kg
Loading	60 pcs/20'

Feature

Brushless motor	Touch switch	Quick lock tailstock
Spindle speed read out	Cut metric and Inch screw	
Cross and longitudinal auto feed		
Standard attachment		
Ø100mm 3-jaw Chuck	Dead center	Oil can
Change gear set	Wrench set	



SP2303



Optional Stand



Cross and longitudinal auto feed

MULTI-PURPOSE MACHINE

Specifications

Swing over bed	Ø420 mm
Distance between centers	400 mm
Max. longitudinal travel	380 mm
Max. cross travel	120 mm
Taper of spindle	M.T.3
Spindle hole	Ø20 mm
Step of spindle speed	Low-High
Range of spindle speed	0-600 r.p.m, 600-1800 r.p.m
Barrel travel	70 mm
Taper of center	M.T.3
Metric thread range	0.7-2mm
Inch thread range	7-30T.P.I
Longitudinal range of automatic feeding	0.088-0.28 mm/0.0035-0.01"
Max. drilling capacity	Ø15 mm
Worktable size (L*W)	200x150 mm ²
Max. end mill	Ø20 mm
Max. face mill	Ø63 mm
Spindle travel	85 mm
Headstock travel of up and down	80 mm
Spindle taper	M.T.3
Range of spindle speed	0-660 r.p.m, 660-2030 r.p.m
Swivel of headstock	$\pm 360^\circ$
Motor power	1.1 Kw
Voltage/Frequency	As customers' requirement
Packing size	1032x580x1100 mm
N. weight/G. weight	185 kg/220 kg
Loading amount	44 pcs/20' container



SP2308

Optional Stand

MULTI - PURPOSE MACHINE

Specifications

Swing over bed	420 mm
Distance between centers	500/800 mm
Max. longitudinal travel	440/740 mm
Max. cross travel	200 mm
Taper of spindle	M.T.4
Spindle hole	Ø28 mm
Step/Range of speed	7/160-1360 rpm
Barrel travel	70 mm
Taper of center	M.T.3
Metric/Inch thread range	0.2-6 mm/4-120 T.P.I.
Longitudinal range of automatic feeding	0.05-0.35 mm
Cross range of automatic feeding	0.05-0.35 mm
Drilling capacity	Ø22 mm
Table size (LxW)	475x160 mm ²
End/Face mill capacity	Ø28/Ø80 mm
Max. distance between spindle center and column	285 mm
Max. distance between spindle nose and table	306 mm
Spindle travel	110 mm
Spindle taper	M.T.3
Steps/range of spindle speed	16/120-3000 rpm
Swivel angle of headstock	±180°
Main motor power/Drill and mill main motor	0.55/0.55 KW
Packing size	1130/1430x580x1100 mm
Weight (Net/Gross)	245/280(275/325) kg
Loading amount	40 pcs/26 pcs/20*container

Optional Stand

SP2305



MULTI - PURPOSE MACHINE

Specifications

Swing over bed	Ø420 mm
Distance between centers	500/800 mm
Max. longitudinal travel	440/740 mm
Max. cross travel	200 mm
Taper of spindle	M.T.4
Spindle hole	Ø28 mm
Step of spindle speed	7
Range of spindle speed	160-1380 r.p.m
Barrel travel	70 mm
Taper of center	M.T.3
Metric thread range	0.7-4mm
Inch thread range	4-30T.P.I
Longitudinal range of automatic feeding	0.088-0.55 mm/0.0035-0.022"
Cross range of automatic feeding	0.088-0.55 mm/0.0035-0.22"
Max. drilling capacity	Ø22 mm
Worktable size (L*W)	475x160 mm ²
Max. end mill	Ø28 mm
Max. face mill	Ø80 mm
Distance between spindle center and column	285 mm
Distance between spindle and worktable	306 mm
Headstock travel of up and down	110 mm
Spindle taper	M.T.3
Step of spindle speed	16
Range of spindle speed	120-3000 r.p.m
Swivel degree of headstock	±360°
Motor power	0.55 Kw
Voltage/Frequency	As customers' requirement
Packing size	1130/1430x580x1100 mm
N. weight/G. weight	250/285 kg/280/330 kg
Loading amount	40 pcs/20* container / 32 pcs/20* container



Optional Stand

SP2307

MULTI-PURPOSE MACHINE

Specifications

Cutting (Lathe)

Swing over bed	280 mm
Distance between centers	600/750 mm
Hole through spindle	25 mm
Spindle taper	MT4
Tailstock taper	MT2
Cross slide travel	155 mm
Compound travel	80 mm
Thread range Metric version	0.25 - 2.5 mm (14 threads pitches)
Imperial version	12 - 96 TPI (9 threads pitches)
Motor output power	750 W
Spindle speed(6 speed)	125-2000 rpm
Overall dimension (LxWxH) Model 600	1260x630x470 mm
Model 750	1410x630x470 mm
Packing size(LxWxH) Model 600	1370x740x650 mm
Model 750	1520x740x650 mm
Weight(net/gross) Model 600	170/220 kg
Model 750	175/230 kg



SP2309

Drilling & Milling

Drilling capacity	25 mm
Headstock travel (Z)	300 mm
Spindle taper	MT3 or R8
Motor output power	600 W
Spindle speed	High range 100-2000 rpm±10%
Low range	100-1000 rpm±10%
Overall dimension (LxWxH)	760x720x930 mm
Packing size (LxWxH)	800x800x1060 mm
Weight (Net/Gross)	165/198 kg

MULTI-PURPOSE MACHINE

Specifications

Lathe machine

Bed width	135 mm
Max. swing over bed	250 mm
Max. swing over cross slide	140 mm
Distance between centers	550 mm
Spindle speed(variable)	100-2000rpm
Spindle bore	21 mm
Spindle taper	MT3
Tailstock taper	MT2
Max. travel of tailstock quill	65 mm
Range of metric threads	18@0.5-2.5 mm
Range of inch threads	27@8-56TPI
Range of longitudinal feeds	0.05-0.5 mm
Max. travel of saddle	460 mm
Range of transvers feeds	0.02-0.22 mm
Max. travel of cross slide	100 mm
Max. travel of top slide	60 mm
Max. tool dimension	14x14 mm
Power of motor	750 W

Milling & drilling machine

Max. drilling capacity	16 mm
Max. end milling capacity	16 mm
Max. face milling capacity	50 mm
Table size	255x110 mm
T-slot size	2-7 mm
Longitudinal travel	460 mm
Vertical travel	210 mm
Taper of spindle bore	MT2
Sleeve travel	50 mm
Max. distance from spindle end to table	240 mm
Range of spindle speeds	50-2250 rpm

Head rotation	±45°
Power of motor	500 W
Net weight	185 kg
Shipping weight	205 kg
Crate size(LxWxH)	1400x680x1000 mm

Standard accessories

3-jaw chuck
4-way tool post
MT.2# dead center
MT.3# dead center
Cutting depth readout
Draw bar
Tool kits & tools
Drill chuck with arbor:3-16 mm



SP2304

Optional Stand

MULTI - PURPOSE MACHINE

Specifications

Cutting

Max.swing over bed	Ø300 mm
Max.swing over cross slide	Ø180 mm
Max.swing over gap	430 mm
Distance between centers	910/1000 mm
Spindle bore	Ø38 mm
Taper of spindle bore	MT#5
Range of spindle speed	65-1810 rpm
Stations of tool carrier	4
Range of longitudinal feeds	0.079-1.291 mm/rev
Range of cross feeds	0.017-0.276 mm/rev
Range of metric threads	0.4-7 mm
Range of inch threads	4-60 TPI
Max.travel of tailstock quill	100 mm
Taper of tailstock bore	MT#3
Motor power	1.1/1.5 KW
Unitary packing of lathe	1680/1850x750x1400 mm
Asunder packing of lathe	1680/1850x750x740 mm
	700x460x380/300 mm

Drilling and milling

Max.drilling capacity	25 mm
Distance from bench to spindle nose	232 mm
Spindle speed steps	Variable speed
Spindle speed scope	Low: 100-1000 r/min
	High: 100-1000 r/min
Size of worktable	340x120 mm
Taper of milling spindle bore	MT.#3
Max.travel of spindle quill	80 mm
Max.end milling capacity	25 mm
Max face milling capacity	50 mm
Headstock stroke (Z)	230 mm
Motor	600 W



SP2306

Net weight	130 kg
Asunder packing of mill head	1060x630x740 mm
Unitary packing of mill combo	1680/1940x850x1650 mm
Packing Size (LxWxH)	Model 910 1680x750x1400 mm
	Model 1000 1910x750x1400 mm
Weight (Net/Gross)	Model 910 520/560 kg
	Model 1000 580/630 kg

Standard accessories

3-jaw Chuck (Ø160mm)	MT.#3 dead centers	Change gears	Oil gun
Taper lever of drill chuck	Tool box with tools	MT5/3 sleeve	Oil tray
Foot stands	Splash guard	Tapered drift	Drill chuck

OPTIONAL ACCESSORIES

Machine Model	Part No.	Product Name	Description
SP2305/SP2307/SP2308	OA3103	stand for 400/500mm model	
SP2305/SP2307/SP2308	OA3103A	stand for 800mm model	
SP2305/SP2307/SP2308	OA3104	tool post guard	
SP2305/SP2307/SP2308	OA3105	drill chuck guard	
SP2305/SP2307/SP2308	OA3106	chuck guard	
SP2305/SP2307/SP2308	OA3107	steady rest	
SP2305/SP2307/SP2308	OA3108	follow rest	
SP2305/SP2307/SP2308	OA3109	mill collet set	
SP2305/SP2307/SP2308	OA3110	auto-tapping system	
SP2305/SP2307/SP2308	OA3111	heavy duty drill chuck	
SP2305/SP2307/SP2308	OA3112	leadscrew guard	
SP2305/SP2307/SP2308	OA3113	face plate 240mm	
SP2305/SP2307/SP2308	OA3131	125mm 4-jaw chuck with flange	
SP2305/SP2307/SP2308	OA3132	160mm 4-jaw chuck with flange	
SP2305/SP2307/SP2308	OA3133	rolling center	
SP2305/SP2307/SP2308	OA3129	indexable carbide end mill set	
SP2305/SP2307/SP2308	OA3130	cutters 5pcs set	

Machine Model	Part No.	Product Name	Description
SP2306	OA3018	drill chuck+drill arbor	
SP2306	OA3019	work light	
SP2306	OA3020	localizer	
SP2306	OA3021	steady rest	
SP2306	OA3022	follow rest	
SP2306	OA3023	face plate	
SP2306	OA3024	leadscrew guard	
SP2306	OA3025	200mm 4-jaw chuck	
SP2306	OA3026	MT3 live centre	
SP2306	OA3027	US type quick change tool	4 x holder 1 x base
SP2306	OA3028	coolant system	
SP2306	OA3029	clutch for feed rod	



OPTIONAL ACCESSORIES

Machine Model	Part No.	Product Name	Description
SP2301	OA1000	stand	
SP2301	OA1004	8mm x 8mm cutter 5pcs set	
SP2301	OA1005	8mm x 8mm cutter 11pcs set	
SP2301	OA1006	8mm x 8mm cutter 6pcs set	
SP2301	OA1144	quick change tool post	1xBase & 4xtoolholder
SP2301	OA1035	50mm quick vice	
SP2301	OA1090	mill chuck set 3,4,5,6mm	
SP2301	OA1082	vertical slider	
SP2301	OA1083	horizontal slider	
SP2301	OA1088	headstock center MT2	
SP2301	OA1091	tailstock chuck with shank MT1 (10mm)	
SP2301	OA1084	Metric Thread cutting kits z=40,42,48,50,54,60	
SP2301	OA1085	Imperial Thread cutting kits z=36,40,42,45,48,50,54,57,60	
SP2301	OA1010	80mm 4-jaw chuck (independent)	
SP2301	OA1010B	80mm 4-jaw chuck (self-centering)	
SP2301	OA1086	wood tool rest with center	
SP2301	OA1089	tool holder	1xout-of blade holder, 1xboring cutter holder
SP2301	OA1089A	cut-off blade 70x2x10mm & boring bar	
SP2301	OA1089A-1	cut-off blade 70x2x10mm	
SP2301	OA1089A-2	boring bar	
SP2301	OA1079	8mm face plate 112mm T-Slot	
SP2301	OA1079A	clamping kit for face plate	
SP2301	OA1015	lathe dog	
SP2301	OA1093	rolling center MT1	
SP2301	OA1087	ball head cutting set	
SP2301	OA1080	steady rest	
SP2301	OA1081	follow rest	
SP2301	OA1069	Metric 2 flute HSS end mill 6pcs set 3,4,5,6,8,10mm	
SP2301	OA1070	MT2 mill chuck set 3,4,5,6,8,10mm	
SP2301	OA1071	MT2 indexable carbide end mill 16mm	
SP2301	OA1071-1	blade for OA1071	
SP2301	OA1078	MT2 collet 6pcs set 3,4,5,6,8,10mm	
SP2301	OA1108	vice 55mm	
SP2301	OA1116	MT2 stub milling machine arbor 13mm	
SP2301	OA1117	MT2 boring arbor with boring cutter	
SP2301	OA1118	MT2 13mm stub milling machine arbor for splitting saw	
SP2301	OA1118-1	50mm blade for OA1118	
SP2301	OA1118-2	63mm blade for OA1118	

Machine Model	Part No.	Product Name	Description
SP2304	OA3048	face plate	
SP2304	OA3049	125mm 4-jaw chuck	
SP2304	OA3050	steady rest	
SP2304	OA3051	follow rest	
SP2304	OA3052	stand	
SP2304	OA3053	chuck safety guard	
SP2304	OA3054	lead-screw safety guard	
SP2304	OA3055	top slide cover	
SP2304	OA3056	MT2 live center	
SP2304	OA3057	change gear set (imperial)	
SP2304	OA3073	10mm x 10mm cutters 11pcs set	
SP2304	OA1201	10mm x 10mm TiN coated cutter 7pcs set (replaceable tip)	
SP2304	OA1201-1	TiN coated tip for OA1201	
SP2304	OA3124	keyless drill chuck 3 - 16mm	
SP2304	OA3125	7pcs HSS end mill set 4,6,8,10,12,14,16mm	
SP2304	OA3126	70mm vice	
SP2304	OA3127	58pcs clamping kit	
SP2304	OA3128	80mm mounting feed 4pcs set	

Machine Model	Part No.	Product Name	Description
SP2302	OA1019	steady rest	
SP2302	OA1020	follow rest	
SP2302	OA1017	Stand for 400mm model	
SP2302	OA1018	Stand for 550mm model	
SP2302	OA1131	grinding attachment	2 x grinding disc
SP2302	OA1021	grinding & milling attachment	
SP2302	OA1028	cutter 2pcs set with tool-post	1 x tungsten blade & 1 x HSS blade
SP2302	OA1022	10mm x 10mm cutter 11pcs set	
SP2302	OA1201	10mm x 10mm TiN coated cutter 7pcs set (replaceable tip)	
SP2302	OA1201-1	TiN coated tip for OA1201	
SP2302	OA1151	digital readout for cutting depth kit (DRCD kit)	
SP2302	OA1027	tailstock chuck MT2 13mm	
SP2302	OA1026	quick change tool post	1xBase & 3xtoolholder
SP2302	OA1023	220mm face plate	
SP2302	OA1023A	clamping kit for face plate	
SP2302	OA1024	rolling center MT2	
SP2302	OA1025	125mm 4-jaw chuck (independent)	
SP2302	OA1025A	125mm 4-jaw chuck (independent) with flange	
SP2302	OA1046	MT3 30mm indexable carbide end mill	
SP2302	OA1047	10mm clamping kit 42pcs set	
SP2302	OA1045	Metric 2 flute HSS end mill 7pcs set 4,6,8,10,12,14,16	
SP2302	OA1149	mill chuck set 4,6,8,10,12,14,16mm	
SP2302	OA1036	quick vice 100mm	
SP2302	OA1037	MT3 Metric mill chuck set 4,6,8,10,12,14,16mm	

Machine Model	Part No.	Product Name	Description
SP2303	OA1022	10mm x 10mm cutter 11pcs set	
SP2303	OA1201	10mm x 10mm TiN coated cutter 7pcs set (replaceable tip)	
SP2303	OA1201-1	TiN coated tip for OA1201	
SP2303	OA1165	digital readout for cutting depth kit (DRCD kit)	
SP2303	OA1164	stand	
SP2303	OA1163	oil tray	
SP2303	OA1162A	clamping kit for face plate	
SP2303	OA1162	face plate	
SP2303	OA1160	steady rest	
SP2303	OA1161	follow rest	
SP2303	OA1168	quick change tool post	
SP2303	OA1024	rolling center MT2	
SP2303	OA1027	tailstock chuck MT2 13mm	
SP2303	OA1029	100mm 4-jaw chuck (independent)	
SP2303	OA1167	mill chuck set 4,6,8,10,12,14,16mm	
SP2303	OA1035	quick vice 50mm	
SP2303	OA1070	MT2 mill chuck set 3,4,5,6,8,10mm	
SP2303	OA1104	6mm clamping kit 12pcs set	
SP2303	OA1117	MT2 boring arbor with boring cutter	
SP2303	OA1071	MT2 indexable carbide end mill 16mm	
SP2303	OA1069	Metric 2 flute HSS end mill 6pcs set 3,4,5,6,8,10mm	





SP5101



SP5107



SP5102



SP5108



SP5109



SP5103

- Forward or Backward 1cm
- Tilt L/R 30°

Specifications

Optional accessories:
Twist drill 1.5~25mm

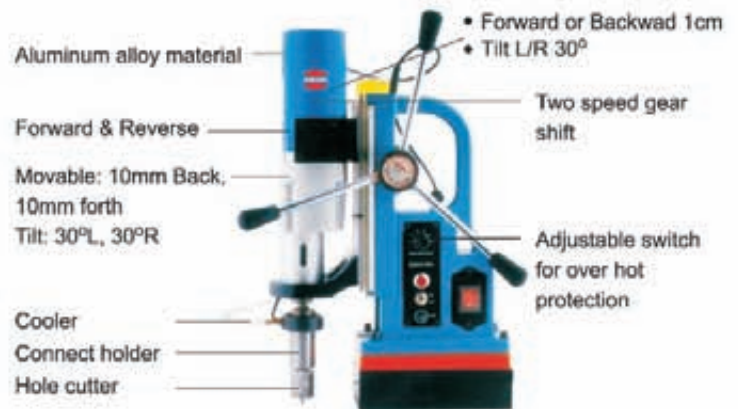
Model	SP5101	SP5107	SP5102-I/5102-II	SP5108-I/5108-II	SP5109-I/5109-II	SP5103-I
Largest drill	13 mm	16 mm	19/23 mm	19/23 mm	19/23 mm	25 mm
Voltage (Phase)	Single	Single	Single	Single	Single/there	Single
Rated frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50 Hz	50/60 Hz
Rated input power	650 W	750 W	950/1200 W	950/1200 W	500/580 W	1350 W
No-load speed	550 r/min	650 r/min	500 r/min	550/500 r/min	290/235 r/min	480 r/min
Max attraction	8500 N	9000 N	11000 N	11000/12000 N	11000/12000 N	15000 N
Max travel	140 mm	140 mm	180 mm	180 mm	180 mm	180 mm
Spindle taper			MT2	MT2	MT2	MT3
N.W.	10.7 kg	11.5 kg	21 kg	20.8 kg	23.8 kg	19.5 kg



SP5110



SP5104
SP5105
SP5106



SP5112



- Forward or Backward 1cm
- Tilt L/R 30°

SP5113



SP5114



SP5115

Standard accessories:
Double insulation
Portable box (SP5103, SP5112, SP5113, SP5114, SP5115)
Variable speed (SP5110, SP5112, SP5113, SP5114, SP5115)

Optional accessories:
Twist drill: 1.5-65mm
Core drill: 13-100mm

Specifications

Model	SP5110	SP5104/5105/5106	SP5112	SP5113	SP5114	SP5115
Largest drill	30 mm	32/38/49 mm	38 mm	45 mm	65 mm	50 mm
Voltage (Phase)	Single	Single/three	Single/three	Single	Single/three	Single
Rated frequency	50/60 Hz	50 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated input power	900 W	1500/1650/2000 W	1050 W	1200 W	1650 W	1500 W
No-load speed	500 r/min	150/115/110 r/min	1: 0-500 r/min 2: 0-800 r/min	100-500 r/min	100-500 r/min	100-500 r/min
Max attraction	9500 N	18500/21000/26000 N	12000 N	12000 N	18000 N	15000 N
Max travel	180 mm	200 mm	180 mm	180 mm	180 mm	180 mm
Spindle taper	Weldon shank 3/4"	MT4	MT2	Weldon shank 3/4"/MT2	MT2	Weldon shank 3/4"/MT2
N.W.	21 kg	41.5/41.8/42 kg	19.8 kg	23 kg	21.5 kg	22 kg



Forward & Reverse in drilling

Drilling & tapping magnetic drill

SP5116



new design for handle

Variable speed magnetic drill

SP5117



Pipeline Drill

SP5118



Steel orbital drill

SP5119



Gasoline Steel orbital drill

SP5120



Gasoline Drill

SP5121

Specifications

Model	SP5116	SP5117	SP5118	SP5119	SP5120	SP5121
Largest drill			23 mm	32 mm	35 mm	23 mm
Twist drill	Ø32 mm	Ø16 mm				
Hole drill	80 mm	35 mm				
Voltage (Phase)	three	single	single	three		
Rated frequency	50 Hz	50 Hz	50/60 Hz	50 Hz		
Rated input power	1500 W	1100 W	1000 W	1050 W	2 HP	2 HP
No-load speed	150 r/min	0-650 r/min	480 r/min	300 r/min	200-1100 r/min	200-1100 r/min
Cable length	2.6 m					
Max attraction	32000 N	32000 N				
Max travel	200 mm	140 mm		180 mm	100 mm	
Spindle taper	MT4	Weldon shank 3/4"	MT2	MT3	Weldon shank 3/4"	MT2
Tap capability	M26					
Cool mode	Self-cooled	Self-cooled				
Drill mode	Hand	Hand				
N.W.	51 kg	11 kg	21.9 kg	22 kg	19.2 kg	9.7 kg

DRILL PRESS



Chuck guard as standard

• Laser for optional



Specifications

Model	SP5201	SP5201A	SP5202	SP5202A
Drilling Cap.	13mm(1/2")	13mm(1/2")	16mm(5/8")	16mm(5/8")
Motor Power	250/350W	375W	375/450W	375/450W
Spindle Travel	50mm	65mm	65mm	65mm
Class of Speed	5	5	5	12
Spindle Taper	B16	B16	B16	MT#2
Swing	210mm	260mm	260mm	310mm
Table Size	160x160mm	190x190mm	190x190mm	∅ 260mm
Base Size	290x190mm	340x210mm	340x210mm	420x250mm
Column Dia.	∅46	∅58	∅58	∅58
Height	580mm	680mm	840mm	900mm
N.W./G.W.	19/20kgs	27/29kgs	32/34kgs	40/42kgs
Packing Size	468x376x240mm	570x410x265mm	680x430x265mm	780x450x280mm
Quantity/20'	730pcs	450pcs	360pcs	310pcs

DRILL PRESS



Specifications

Model	SP5203	SP5203A	SP5204
Drilling Cap.	16mm(5/8")	16mm(5/8")	20 mm
Motor Power	550W	375/450/550W	750 W
Spindle Travel	85mm	85mm	85 mm
Class of Speed	16	16	16
Spindle Taper	MT#2	MT#2	MT#2
Swing	360mm	325mm	325 mm
Table Size	290x290mm	Ø290mm	250x250 mm
Base Size	460x272mm	420x250mm	420x250 mm
Column Dia.	Ø70-72	Ø70-72	Ø70-72
Height	1000mm	980mm	1000 mm
N.W./G.W.	60/63kgs	50/52kgs	51/53 kgs
Packing Size	825x490x290mm	780x450x280mm	780x450x280 mm
Quantity/20'	250pcs	310pcs	310 pcs

DRILL PRESS



Chuck guard as standard

• Laser for optional



Specifications

Model	SP5205	SP5205A	SP5206	SP5206A
Drilling Cap.	20mm(3/4")	20mm(3/4")	16mm(5/8")	16mm(5/8")
Motor Power	750W	750W	550W	550W
Spindle Travel	85mm	85mm	85mm	85mm
Class of Speed	16	16	16	16
Spindle Taper	MT#2	MT#2	MT#2	MT#2
Swing	360mm	360mm	360mm	325mm
Table Size	Ø290mm	290x290mm	290x290mm	Ø290mm
Base Size	460x272mm	460x272mm	460x272mm	460x272mm
Column Dia.	Ø70-72	Ø70-72	Ø70-72	Ø70-72
Height	1200mm	1600mm	1600mm	1580mm
N.W./G.W.	63/66kgs	70/74kgs	70/74kgs	60/63kgs
Packing Size	1000x500x300mm	1140x500x300mm	1140x500x300mm	1140x460x280mm
Quantity/20'	200pcs	180pcs	180pcs	200pcs

DRILL PRESS



Chuck guard as standard

• Laser for optional



Specifications

Model	SP5207	SP5207A	SP5208	SP5208A
Drilling Cap.	25mm(1")	25mm(1")	32mm(1-1/4")	32mm(1-1/4")
Motor Power	750/1100W	1100/1500W	1100/1500W	1100/1500W
Spindle Travel	85mm	120mm	120mm	120mm
Class of Speed	12	12	12	12
Spindle Taper	MT#3	MT#3	MT#4	MT#4
Swing	360mm	450mm	450mm	510mm
Table Size	290x290mm	350x350mm	360x360mm	420x480mm
Base Size	460x272mm	470x360mm	470x360mm	560x450mm
Column Dia.	Ø80	Ø92	Ø92	Ø92
Height	1600mm	1710mm	1710mm	1710mm
N.W./G.W.	80/84kgs	120/128kgs	130/138kgs	145/153kgs
Packing Size	1140x500x300mm	1430x670x330mm	1430x670x330mm	1430x670x330mm
Quantity/20'	180pcs	86pcs	86pcs	86pcs



SP3110S



SP3111S



Specifications

Model	SP3110S	SP3111S
Max.drilling capacity	32 mm	40 mm
Disance from spindle axis to generating line of column	290 mm	290 mm
Max.distance from spindle nose to working surface of work table	790 mm	540 mm
Max.distance from spindle nose to working surface of base plate	1300 mm	965 mm
Spindle stroke	115 mm	115 mm
Max.adjustment of work table and table rest	790 mm	500 mm
Swivel of table and table rest	±45	NA
Spindle bore taper	MT3	MT4
Spindle speed L	55-350 r.p.m	60-350 r.p.m
W	350-2300 r.p.m	350-2300 r.p.m
Column diamater	Ø120 mm	Ø140 mm
Effective working area of table(LxW)	320x320 mm	Ø420 mm
Effective working area of base plate(LxW)	380x380 mm	560x370 mm
Dimerision of T-slot of table and base plate	2-12 mm	2-12 mm
3-phase two-speed ac motor Y2-909 Power	1.1 Kw	1.5 Kw
Speed	1440 r/min	1440 r/min
3-phase pump moutor DB-4TH Power	0.06 Kw	0.06 Kw
Flow rate	4 L/min	4 L/min
Packing dimension(LxWxH)	900x590x1980 mm	900x590x1980 mm
Net/gross weight	310/360 Kg	310/360 Kg

Features

- Superior quality of gears with hardened and lapped gears of surface
- With micro feed structure, gear shift
- Inside setting motor with shaft sleeve, convenient maintenance
- Increasing the electric current coefficient of convertible switch, with touch protection and CE, UL standard

Standard accessories

- Keyless drill chuck
- Connecting bar for drill chuck
- Shaft sleeve for taper shank tool
- Wedge for taper shank tool

Features

- Digital readout for the display of speed,
- two-speed motor
- Belt stepless timing, with fender device
- 125mm precision vice & cross worktable as optional accessories



SP3101



halogen working lamp

SP3120



SP3103



coolant device

SP3104

Specifications

Model	SP3101	SP3120	SP3103	SP3104
Max.drilling dia. (steel) and tapping dia. (mm)	Ø32/M20	Ø32/M20	Ø25/M12	Ø35/M20
Max.travel of spindle/spindle box (mm)	150/530	150/230	110	160
Max.distance from spindle to generating of column (mm)	300	300	230	320
Max.distance from spindle nose to surface of worktable (mm)		770	690	625
Max.distance from spindle nose to surface of base worktable (mm)	730	1225	1180	1180
Max.travel of worktable and bracket/manual (mechanical) (mm)			555	585
Spindle taper bore (MT)	4	4	3	4
Spindle speed steps/range (r/min)	12/78~2500	12/78~2500	Stepless/80~1600	Stepless/85~1800
Rapid handle feed (mm/r)	110	110		
Handwheel fine feed (mm/r)	3.66	3.66		
Spindle feed steps				3
Spindle feed range (mm/r)				0.1,0.2,0.3
Dimension of worktable (mm)		$\pi \times 190^2$	400x320	500x420
Effective working area of worktable (mm)	400x360	400x360	340x320	370x360
Diameter of column (mm)			Ø100	Ø120
Power of motor (KW)	1/1.3/1.7	1/1.3/1.7	0.70/1.3	1.0/1.7
Machine dimension (mm)	780x505x1410	780x505x1910	820x530x1715	965x515x1920
Packing dimension	880x620x1580	880x620x1980	840x480x1800	1100x600x2010
Net weight and gross weight	300/345	420/465	245/280	450/500
Sets/20' container	21	21	30	19



Specifications

Model	SP3108S	SP3112S	SP3121S	SP3113S
Max.drilling capacity	30 mm	35 mm	40 mm	50 mm
Max.tapping capacity	M18 mm	M20 mm	M24 mm	M24 mm
Distance from spindle axis to generating line of column	315 mm	330 mm	360 mm	360 mm
Max.distance from spindle nose to working surface of work table	520 mm	610 mm	600 mm	600 mm
Max.distance from spindle nose to working surface of base plate	1080 mm	1150 mm	1205 mm	1215 mm
Spindle stroke	135 mm	150 mm	180 mm	180 mm
Max.adjustment of work table and table rest	480 mm	540 mm	525 mm	560 mm
Swivel of table and table rest	±45°	±45°	±45°	±45°
Spindle bore taper(Morse)	3	4	4	4
Spindle speed steps	12	12	12	12
Spindle speed	70-2600 r/min	70-2600 r/min	42-2050 r/min	42-1865 r/min
Spindle feed steps	3	3	4	4
Spindle feed range	0.1, 0.2, 0.3 mm/r	0.1, 0.2, 0.3 mm/r	0.07, 0.15, 0.26, 0.4 mm/r	0.07, 0.15, 0.26, 0.4 mm/r
Column diameter	Ø125 mm	Ø140 mm	Ø160 mm	Ø170 mm
Effective working area of table(LxW)	374x374 mm	424x424 mm	370x500 mm	370x500 mm
Effective working area of base plate(LxW)	370x360 mm	420x380 mm	460x450 mm	460x450 mm
Dimension of T-slot of table and base plate	2-14, 2-16 mm	2-14, 2-16 mm	2-14, 2-16 mm	2-14, 2-16 mm
3-phase two-speed ac motor	Power	1.1/1.5 Kw	2.2/2.8 Kw	2.2/2.8 Kw
	Voltage	220 V, 380 V, 420 V, 440 V	220 V, 380 V, 420 V, 440 V	220 V, 380 V, 420 V, 440 V
	Speed	960/1450 r/min	960/1450 r/min	960/1450 r/min
3-phase pump motor	Power	0.09 Kw	0.09 Kw	0.09 Kw
	Voltage	220 V, 380 V, 420 V, 440 V	220 V, 380 V, 420 V, 440 V	220 V, 380 V, 420 V, 440 V
	Flow rate	6 L/min	6 L/min	6 L/min
Packing dimension(LxWxH)	650x1050x1950 mm	700x1150x2150 mm	700x1150x2150 mm	700x1150x2150 mm
Net/gross weight	440/500 Kg	670/730 Kg	740/800 Kg	800/860 Kg



SP3123

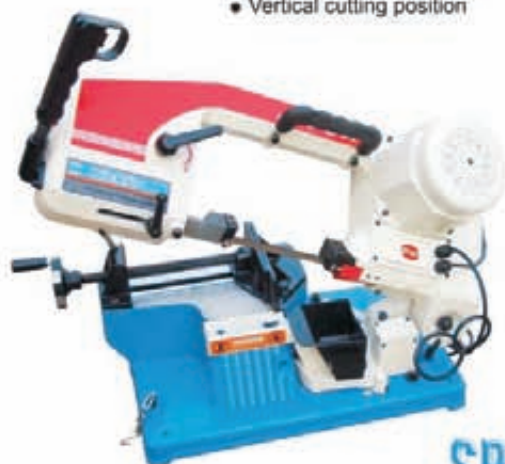


SP3124

Specifications

Model	SP3123	SP3124
Max. drilling capacity	32/40/45 mm	32/40/45 mm
Spindle taper	MT3/MT4/R8	MT3/MT4/R8
Spindle travel	130 mm	130 mm
Step of speed	6	6
Range of spindle speed 50Hz	80-1250 r.p.m	80-1250 r.p.m
60Hz	95-1500 r.p.m	95-1500 r.p.m
Step of spindle auto-feeding	6	6
Range of spindle auto-feeding amount	0.06-0.30 mm/r	0.06-0.30 mm/r
Min. distance from spindle axis to column	290 mm	290 mm
Max. distance from spindle nose to worktable	725 mm	700 mm
Max. distance from spindle nose to stand table	1125 mm	1125 mm
Max. travel of headstock	250 mm	250 mm
Swivel angle of headstock(horizontal)	360°	360°
Max. travel of worktable bracket	600 mm	600 mm
Worktable size of availability	380x300 mm	730x210 mm
Forward and afterward travel of worktable		205 mm
Left and right travel of worktable		500 mm
Vertical travel of worktable		570 mm
Size of stand worktable of availability	417x416 mm	417x416 mm
Swivel angle of table horizontally	360°	
Table leaned	45°	
Motor power	0.75/1.1/1.5 KW	0.75/1.1/1.5 KW
Voltage/Frequency	As customer's requirement	As customer's requirement
Speed of motor	1400 r.p.m	1400 r.p.m
Cooling pump power	0.04 KW	0.04 KW
Net weight/Gross weight	440/490 kg	470/530 kg
Packing size	1850x750x1000 mm	1850x950x1000 mm
Loading amount	18pcs/20' container	18pcs/20' container

- Easy to carry to any work sites
- Angle cutting from 0° to 45°
- Vertical cutting position



SP3300

- Traditional and most universal model
- V-belt and Gear driven for optional



SP3308

- Coolant pump ensures longer service life of saw blade
- Scale on the vise allows easy adjustments for angle cuts
- Quick adjusting vise for angular cuts-the saw frame swivels, not the material



SP3313

- Down feed system controlled by electric valve European design



SP3316

Specifications

Model	SP3300	SP3308	SP3313	SP3316
Max. Capacity				
Circular @ 45°	60 mm (2.4")	127 mm (5")	105 mm (4")	160 mm
Rectangular @ 45°	60x100 mm (2.4"x4")	120x125 mm (4 3/4"x4 7/8")	120x105 mm (4.75"x4")	160x110 mm
Circular @ 90°	100 mm (4")	178 mm (7")	180 mm (7")	220 mm
Rectangular @ 90°	100x150 mm (4"x6")	178x305 mm (7"x12")	180x260 mm (7"x10")	250x155 mm
Blade speed @60 HZ	54 MPM (177 FPM)	27,41,59,78 MPM	39,66,82 MPM	
	@50 HZ	45 MPM (149 FPM)	22,34,49,64 MPM	34,55,66 MPM
				40x80 MPM
Blade size	13x0.65x1470 mm (0.5"x0.025"x58")	19.05x0.8x2362 mm (0.75"x0.03"x93")	19.05x0.8x2362 mm (0.75"x0.03"x93")	27x0.9x2450 mm
Motor	375 W (1/2 HP)	750 W (1 HP), 50/60 HZ	750 W (1 HP), 50/60 HZ	0.75x1.1 KW
Drive	Gear	V-Belt	Gearbox	Gearbox
Packing size	550x370x400 mm (22"x15"x16")	1400x560x1150 mm (55"x22"x45")	1300x570x1120 mm (51"x22"x44")	1350x820x756.5x390x610 mm
N.W. / G.W.	23/26 kg (51/57 lbs.)	180/227 kg (396/500 lbs.)	180/210 kg (396/463 lbs.)	254/287 kg

Conventional Bench Grinder



Model	Inputpower	No-Load Speed	Wheel Size(mm)	N.W./G.W	Packing Size(cm)	FCL Qty.
SP6012A	150W	2950rpm	125x16x12.7	4.6/5kg	29x17.5x20.5	2900pcs
SP6012B	150W	2950/3550rpm	125x16x12.7	7.7/8.5kg	34.5x18x24	1860pcs
SP6015A	150W	2950rpm	150x16x12.7	5/5.5kg	29x18.5x20.5	2500pcs
SP6015B	200W	2950rpm	150x20x12.7	8.5/9.5kg	33.8x20.5x24	1647pcs
SP6015C	200W	2950/3550rpm	150x16x12.7	10/11kg	37x24x27.5	1600pcs
SP6015D	250W	2950rpm	150x20x12.7	9kg/10kg	39.5x20.5x26	1330pcs
SP6020A	350W	2950rpm	200x20x12.7	13.5/14.5kg	42x26.2x28.2	900pcs
SP6020B	350W	2950rpm	200x20x16	15/16kg	39.1x26.5x29.4	900pcs
SP6020C	350W	2950/3550rpm	200x20x32	12/13kg	38.5x26.5x28.5	1000pcs

Industrial Bench Grinder

Model	Inputpower	No-Load Speed	Wheel Size(mm)	N.W./G.W	Packing Size(cm)	FCL Qty.
SP6015i	520W	2950rpm	150x25x32	16/18kg	48x26.1x24.6	972pcs
SP6017i	520W	2950rpm	175x25x32	18/20kg	48x26x26	972pcs
SP6020i	900W	2950rpm	200x32x32	28/30kg	52.6x32x31	539pcs
SP6025i	900W	2950rpm	250x32x32	32/34kg	54x35x31	448pcs



Professional Bench Grinder



Model	Inputpower	No-Load Speed	Wheel Size(mm)	N.W./G.W	Packing Size(cm)	FCL Qty.
SP6015Pro	375W	2950/3550rpm	150x20x12.7	10.4/11.9kg	42x29x27.5	1000pcs
SP6020Pro	520W	2950/3550rpm	200x25x16	18.2/19.7kg	49x34.5x32.5	520pcs



VICE US Type

Model	With of Jaw (cm)	Height of Jaw (cm)	Max. Opening of Jaw (cm)
SV001	65	20	55
SV002	80	20	75
SV003	100	22	95
SV004	125	24	115
SV005	150	26	140



VICE QH Type

Model	With of Jaw (cm)	Height of Jaw (cm)	Max. Opening of Jaw (cm)
SV011	65	30	50
SV012	100	35	80
SV013	125	40	100
SV014	150	50	125
SV015	200	62	160



VICE BMS Type

Model	With of Jaw (cm)	Height of Jaw (cm)	Max. Opening of Jaw (cm)
SV006	85	30	60
SV007	100	30	90
SV008	120	35	100
SV009	150	48	120
SV010	200	58	150



VICE QG Type

Model	With of Jaw (cm)	Height of Jaw (cm)	Max. Opening of Jaw (cm)
SV016	100	35	100
SV017	125	38	110
SV018	150	44	130
SV019	200	50	190



WORKTABLE

Model	Table Size(mm)	X-Axis Travel(mm)	Y-Axis Travel(mm)	Swing Cross
SW001	430x240	230	150	n/a
SW002	600x240	400	150	n/a
SW003	730x210	500	210	n/a
SW004	375x120	250	160	n/a
SW005	225x175	105	70	available
SW006	330x220	170	90	available
SW007	425x240	225	135	available
SW008	600x240	400	135	available



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