

**2010-2011
Product
Catalogue**



**20Years
Experience
1991-2011**

CNC MACHINE

- * CNC LATHE
- * CNC MILLING MACHINE
- * CNC ENGRAVING MACHINE
- * CNC VERTICAL MACHINING CENTER





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.



Index

CNC LATHE.....	P1~P6
CNC MILL.....	P7~P12
CNC ENGRAVING MACHINE.....	P13
MACHINING CENTER.....	P14~P16

CNC LATHE (WITH SLANTING BED)

Specifications

Max. swing over bed	Ø360 mm
Max. swing over carriage	Ø180 (tool post) Ø130 (gang-type tool post) mm
Max. travel of X-axis	200 mm
Max. travel of Z-axis	250 mm
Spindle speed	100-2500 r/min
Spindle bore	Ø58 mm
Upper part style of spindle	A2-6
Motor power	5.5 kW
Chuck styles	manual (pneumatic or hydraulic)
Chuck size	Ø200 mm
Tool post styles	gang-type tool post/common tool post (electrical, hydraulic or servo)
Chuck styles	manual (pneumatic or hydraulic)
No. of tool positions	6/8 (or gang-type tool carrier)
Size of the tool post	20x20 mm
Lathe bed style	X direction: beeline leading orbit Z direction: beeline leading orbit
Bed styles	45°slanting
Tailstock	none
Min. set unit	0.001 mm
Min. moving amount	0.001 mm
Min. checking unit	0.001 mm
X-axis fast moving speed	10 mm
Z-axis fast moving speed	16 mm
Manual impulse moving unit	0.001 mm
Outside connection	RS232 connection
Net weight	3500 KGS
Packing Size	2300x1600x1900 mm



SP2126



- The big spindle case will improve the spindle rigidity and its processing stability.
- To adopt the high precision bearings, the spindle precision is highly improved.
- The two directions of linearity rolling bed orbits are adopted the abrasion is reduced.
- The leading orbits without clearance has increased the processing precision.
- 45°slanting bed is convenient to discharge waste metal pieces
- The cast iron base will strengthen the machine rigidity.

CNC LATHE

Specifications

Max. swing over bed	Ø250/280 mm
Distance between centers	550/700 mm
Spindle bore	Ø 26 mm
Spindle taper	MT4
Spindle speed	20-2400 rpm
Tailstock taper	MT2
Pitch-metric	0.2-3.5 mm
Pitch-inch	8-56 TPI
X travel	125 mm
Z travel	475 mm
X rapid speed	1500 mm/min
Z rapid speed	3000 mm/min
X positioning accuracy	0.03 mm
Z positioning accuracy	0.032 mm
X repeatability accuracy	0.012 mm
Z repeatability accuracy	0.013 mm
Motor power	1.1 KW
NW	180 kgs
Packing size	1390/1490x660x1540 mm



SP2128



CNC LATHE

The CNC lathes can be adopted (GSK, SIEMENS, FANUC)

Specifications

Max.swing over bed	320 mm
Max.swing over carriage	160 mm
Max.length of work piece	500/750/1000 mm
Range of spindle speed	100-2000 rpm
Spindle bore	38 mm
Taper of spindle bore	MT5
Taper of spindle outside	D4
Stations of tool carrier	4/6 or gang-type
Max.size of tool post	20x20 mm
Min.setting unit of motor (Z) cross	0.01/0.001 mm
(servo/stepper) (X) long.	0.005/0.001 mm
Moving speed of post(servo/stepper)	
(Z) cross	3m/7.6 m/min.
(X) long.	3m/4 m/min.
Taper of tailstock quill	MT3
Max.range of tailstock quill	100 mm
Motor power	2.2 KW
Packing size (LxWxH)	1653/1785/2088x1020x1660 mm
Net weight	780/850/950 kg



SP2115

Standard accessories

Coolant pump	Oil gun	Oil tray
3-jaw Chuck	Foot stands	
Dead centers	Taper change sleeve	
Change gears set	Tool box with tools	

CNC LATHE

Specifications

Max. swing over bed	Ø360 mm/Ø400 mm
Max. swing over carriage	Ø210 mm/Ø245 mm
Max. length of work piece	750/1000
Range of spindle speed	150-2000 rpm
Spindle bore	Ø60 mm
Spindle taper	MT6
Stations of tool carrier	4/6/8 or gang-type tool carrier
Min. setting unit of motor(Servo/stepper) (Z) cross	0.001 mm
(X) long.	0.001 mm
Moving speed of post (Servo/stepper)	
(Z) cross	8 m/min
(X) long.	6 m/min
Taper of tailstock quill	MT4
Max. size of tool post	20x20 mm
Max. range of tail stock quill	120 mm
Motor power	5.5 KW
Packing size	2170/2420x1540x1950 mm
Net/Gross weight	1500/1700 kg
	1700/1900 kg



SP2116

Standard accessories

Coolant pump	Oil gun	Oil tray
3-jaw Chuck	Foot stands	
Dead centers	Taper change sleeve	
Change gears set	Tool box with tools	

CNC LATHE

Specifications

Max. swing over bed	Ø360 mm
Max. swing over carriage	Ø150 mm
Max. length of work piece	450/700 mm
Range of spindle speed	150-2500 rpm
Spindle bore	Ø60 mm
Taper of spindle bore	MT6
Stations of tool carrier	4/6
Max. Size of tool post	20x20 mm
Min. setting unit of motor(Servo/stepper) (Z) cross	0.001 mm
	(X) long. 0.001 mm
Moving speed of post (Servo/stepper) (Z) cross	7.6 m/min
	(X) long. 4 m/min
Taper of tailstock quill	MT4
Max. range of tailstock quill	100 mm
Motor power	3.7 KW
Packing size	1835/2085x1200x1840 mm
Net/Gross weight	1275/1450 kg

Standard accessories

Coolant pump	Oil gun	Oil tray
3-jaw Chuck	Foot stands	
Dead centers	Taper change sleeve	
Change gears set	Tool box with tools	



SP2117

CNC LATHE

Specifications

Max. swing over bed	500 mm
Max. turning dia.of workpiece	300 mm
Max. length of workpiece	750/1000 mm
Spindle bore	82 mm
Cone of spindle bore, Morse Taper	D-8
Spindle speeds, infinitely variable	36-150 rpm
	100-500 rpm
	320-1600 rpm
	or variable speed 150-1600 rpm
Dia of tailstock sleeve	75 mm
Range of tailstock sleeve	150 mm
Bore taper of tailstock sleeve	MT5
Max. size of tool post	25x25 mm
Rapid travel speed X-axis	5000 mm/min
	Z-axis 10000 mm/min
Min. unit to be set, X-axis Z-axis	0.001 0.001 mm
NO, of tool positions of the turret	4(standard)
	6/8/12(optional)
Power of the main drive motor	7.5 KW
Net weight	3200/3500 kg
Overall dimensions(LxWxH)	2570/2970x1560x2110mm

Standard accessories

Coolant pump	Oil gun	Oil tray
3-jaw Chuck	Foot stands	
Dead centers	Taper change sleeve	
Change gears set	Tool box with tools	



SP2119

CNC LATHE

Feature :

- Powerful brushless motor
- Automatic safety door lock
- Newly designed cabinet for your convenience
- Additional power socket for computer (For SP2118S only)
- Work light installed
- Professional electronic system

Specifications :

Swing over bed	250 mm
Swing over apron	110 mm
Max distance between centers	450 mm
The width of bed	135 mm
The speed of the spindle	100-3000 r/min
The tape of the spindle	MT3
The max. speed of moving (X,Z)	2000 mm/min
The speed of feeding (X,Z)	500 mm/min
Max travel Z axis	320 mm
X axis	180 mm
Motor of X axis	4 N·m
Motor of Z axis	4 N·m
Tool position	4
Angle of the tool post	360°
Tape of tailstock	MT2
Travel of tailstock	50mm
Position accuracy	0.015 mm
Repeatability position accuracy	0.01 mm
Tool post return orientation precision	0.005 mm
Main motor power	1000 W
Machine size (LxWxH)	1460x760x1450 mm
Packing size (LxWxH)	1630x1070x1685 mm
Weight (n.w/g.w)	440/530 Kg



SP2118



SP2118S



Machines were controlled by Mach 3
SIEMENS 802 system
High speed, efficiency and stable
performance



Functions of automatic diagnosis
and program of power cut-off
protection



Longitudinal and cross feeds are
effected by ball leadscrews driven
by mixed type step motor



4-way electrical tool post with auto
tool position. (SIEMENS SYSTEM)

CNC LATHE

Feature:

- Powerful brushless motor
- Automatic safety door lock
- Additional power socket for computer
- Work light installed
- Professional electronic system

Specifications:

Swing over bed	200 mm
Swing over apron	100 mm
Max distance between centers	360 mm
The width of bed	100 mm
The speed of the spindle	100-3000 r/min
Spindle taper	MT3
The max. speed of moving (X,Z)	2000 mm/min
The speed of feeding (X,Z)	500 mm/min
Max travel Z axis	250 mm
X axis	150 mm
Motor of X axis	1.35 N·m
Motor of Z axis	1.35 N·m
Tool position	4
Angle of the tool post	360°
Taper of tailstock	MT2
Travel of tailstock	50 mm
Position accuracy	0.015 mm
Repeatability accuracy	0.01 mm
Tool post return orientation precision	0.005 mm
Main motor power	500 W
Machine size (LxWxH)	1000x780x565 mm
Packing size (LxWxH)	1200x940x770 mm
Weight (n.w/g.w)	140/180 Kg



SP2120

PC base CNC Lathe with MACH3 System



OPTIONAL ACCESSORIES

Machine Model	Part No.	Product Name	Description
SP2115	OA3043	pneumatic chuck	
SP2115	OA3044	hydraulic chuck	
SP2115	OA3045	pneumatic tailstock	
SP2115	OA3046	hydraulic tailstock	
SP2115	OA3047	Spring fastener	
SP2115	OA3118	200mm 4-jaw chuck (independent)	
SP2115	OA3119	Automatic 6-way toolpost	

Machine Model	Part No.	Product Name	Description
SP2117	OA3043A	pneumatic chuck	
SP2117	OA3044A	hydraulic chuck	
SP2117	OA3045	pneumatic tailstock	
SP2117	OA3046	hydraulic tailstock	
SP2117	OA3047	Spring fastener	
SP2117	OA3121	250mm 4-jaw chuck (independent)	
SP2117	OA3119A	Automatic 6-way toolpost	

Machine Model	Part No.	Product Name	Description
SP2119	OA3043B	pneumatic chuck	
SP2119	OA3044B	hydraulic chuck	
SP2119	OA3045A	pneumatic tailstock	
SP2119	OA3046A	hydraulic tailstock	
SP2119	OA3047	Spring fastener	
SP2119	OA3122	320mm 4-jaw chuck (independent)	
SP2119	OA3119B	Automatic 6-way toolpost	
SP2119	OA3120B	Automatic 8-way toolpost	
SP2119	OA3123	Automatic 12-way toolpost (servo motor)	

Machine Model	Part No.	Product Name	Description
SP2120	OA1029	100mm 4 jaw chuck (independent)	
SP2120	OA1005	8 x 8mm cutter 11pcs set	
SP2120	OA1200	8mm x 8mm TiN coated cutter set (replaceable tip)	
SP2120	OA1200-1	TiN coated tip for OA1200	
SP2120	OA1201	10mm x 10mm TiN coated cutter 7pcs set (replaceable tip)	
SP2120	OA1201-1	TiN coated tip for OA1201	
SP2120	OA1167	mill chuck set 4,6,8,10,12,14,16mm	
SP2120	OA1160	steady rest	
SP2120	OA1161	follow rest	
SP2120	OA1024	rolling center	
SP2120	OA1027	MT2 13mm tailstock chuck	
SP2120	OA1189	stand	
SP2120	OA1187	computer stand	
SP2120	OA1134	coolant system 27L	
SP2120	OA1184	PCMCIA parallel card	
SP2120	OA1186	handwheel	

Machine Model	Part No.	Product Name	Description
SP2116	OA3043A	pneumatic chuck	
SP2116	OA3044A	hydraulic chuck	
SP2116	OA3045	pneumatic tailstock	
SP2116	OA3046	hydraulic tailstock	
SP2116	OA3047	Spring fastener	
SP2116	OA3121	250mm 4-jaw chuck (independent)	
SP2116	OA3119	Automatic 6-way toolpost	
SP2116	OA3120	Automatic 8-way toolpost	
SP2116	OA3119A	Automatic 6-way toolpost	
SP2116	OA3120A	Automatic 8-way toolpost	

Machine Model	Part No.	Product Name	Description
SP2118	OA1025A	125mm 4 jaw chuck (independent) with flange	
SP2118	OA1019	steady rest	
SP2118	OA1020	follow rest	
SP2118	OA1060	vertical slider	
SP2118	OA1022	10 x 10mm cutter 11pcs set	
SP2118	OA1201	10mm x 10mm TiN coated cutter 7pcs set (replaceable tip)	
SP2118	OA1201-1	TiN coated tip for OA1201	
SP2118	OA1024	rolling center	
SP2118	OA1027	MT2 13mm tailstock chuck	
SP2118	OA1187	computer stand	
SP2118	OA1187A	integrated computer frame	
SP2118	OA1134	coolant system 27L	
SP2118	OA1184	PCMCIA parallel card	
SP2118	OA1186	handwheel	

Machine Model	Part No.	Product Name	Description
SP2126	OA3043A	pneumatic chuck	
SP2126	OA3044A	hydraulic chuck	
SP2126	OA3045B	pneumatic tailstock	
SP2126	OA3046B	hydraulic tailstock	
SP2126	OA3121	250mm 4-jaw chuck (independent)	
SP2126	OA3119A	Automatic 6-way toolpost	
SP2126	OA3120A	Automatic 8-way toolpost	



CNC DRILLING & MILLING MACHINE



Specifications

Model	SP2211-I	SP2211-II
Max. drilling capacity	Ø20 mm	Ø20 mm
Max. end milling capacity	Ø16 mm	Ø16 mm
Size of worktable(length x width)	800x240 mm	800x240 mm
T slot (width x qty x spaces)	16 mmx3x60 mm	16 mmx3x60 mm
Max loading weight on worktable	60 kg	60 kg
X-axis travel	420 mm	420 mm
Y-axis travel	290 mm	290 mm
Z-axis travel	400 mm	400 mm
Distance between spindle nose and table	50-450 mm	50-450 mm
Distance between spindle center and column	297 mm	297 mm
Spindle taper	ISO30/BT30	ISO30/BT30
Max. spindle speed	4000 or 6000 rpm	4000 or 6000 rpm
Spindle motor power	1.5 KW	1.5 KW
Feeding motor power: X axis	1 KW	1 KW
Y axis	1 KW	1 KW
Z axis	1 KW	1 KW
Rapid feeding speed: X, Y, Z axis	6 m/min	6 or 10 m/min
Feeding speed	0-2000 mm/min	0-2000 mm/min
Min. set unit	0.01 mm	0.01 mm
Max. size of tool	Ø60x175 mm	Ø60x175 mm
Loosing and clamping way for tool	manually	pneumatically
Max. loading weight of tool	3.5 kg	3.5 kg
N.W.(include machine stand)	735 kg	750 kg
Packing size(LxWxH)	1220x1380x1650 mm	1220x1380x1650 mm
Loading amount	4pcs/20' container	4pcs/20' container

CNC MILLING MACHINE

Optional accessories

1. Mill chuck
2. Taper shank
3. Drill chuck
4. Paraller vise
5. Machine stand(steel, casting)
6. Toolpost
7. CNC SYSTEM as customer's requirement



SP2212

Specifications

Model	SP2212	Rapid traverse speed of 3 axes	X/Y: 15 m/min(servo) Z: 12 m/min(servo)
Max. drilling capacity	Ø25 mm	Cutting feeding rate	0-2000 mm/min
Max. end milling capacity	Ø20 mm	Min. set unit & moving unit	0.001 mm
X-axis travel	535 mm	Pitch of X/Y axis	6 mm
Y-axis travel	320 mm	Pitch of Z axis	6 mm
Z-axis travel	375 mm	Positioning accuracy (300 mm)	± 0.008
Distance from spindle nose to workable surface	25-420 mm	Repeatability accuracy (300 mm)	± 0.005
Distance from centre of spindle to surface of column ram	345 mm	Changing way of tools	Manual
T slot (width x num)	16 mm x 3	Tool spec. Max. dia x weight x length	Ø60 mmx3.5 kgx175
Worktable size	1000x250 mm	Machine weight	1700 kg
Max. loading of worktable	120 kg	Air pressure	0.6 MPa
Power of spindle motor	1.5/2.2 KW	Power of cooling pump for cutting	80 W
Spindle speed	4000/(or 8000/12000)	Overall size	1516x1764x1708 mm
Spindle taper	ISO30/BT30	Control system	GSK system(or simens 802S,802C)
Spindle bearing	P4		

CNC MILLING MACHINE



Specifications

Model	SP2216	SP2214
Max drilling capacity	Ø10 mm	Ø30 mm
Drilling capacity	Ø6 mm	Ø20 mm
Table effective-size	300x70 mm	500x180 mm
Table travel-X axis	120 mm	280 mm
Table travel-Y axis	90 mm	190 mm
Table travel-Z axis	130 mm	300 mm
Motor of X axis	1.5 N	4N
Motor of Y axis	1.5 N	4N
Motor of Z axis	1.5 N	4N
Table T-slot size	6 mm	12 mm
No.of T-slots on table	2	3
Position accuracy	0.01 mm	0.01 mm
Spindle taper	MT1	MT3/MT2/R8
Speed of spindle	200-3500 RPM	50-2250 RPM
Spindle motor power	250 W	750 W
Machine dimension	447x437x557 mm	660x681x900 mm
Shipping dimension	495x495x570 mm	700x720x1040 mm
Machine weight	25 kg	120 kg
Shipping weight	45 kg	145 kg

CNC MILLING MACHINE

SP2213 CNC MILL is a milling machine installed with 3-axis stepper motors, ball screws, variable speed spindle motor, limit/home switches, and MT2 milling chuck, provided with MACH3 control system.

Feature:

- Powerful brushless motor
- Automatic safety door lock
- Additional power socket for computer
- Work light installed
- Professional electronic system

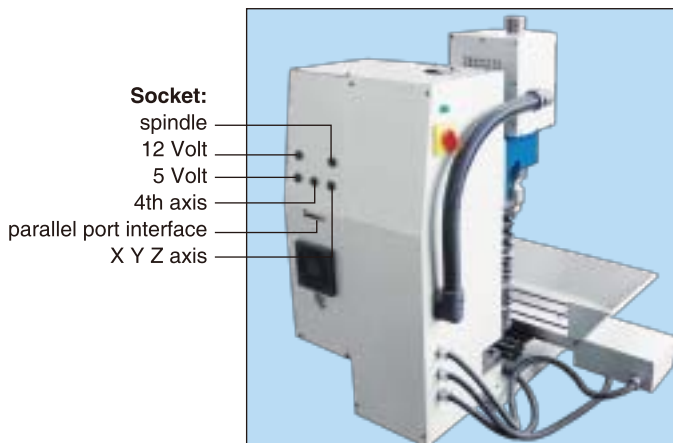
Specifications

Drilling capacity	10 mm
Table effective size	400x145 mm
Table travel x axis	260 mm
Table travel y axis	110 mm
Head travel z axis	180 mm
Motor of X axis	1.35 N
Motor of Y axis	1.35 N
Motor of Z axis	2.2 N
Throat	150 mm
T-slot size	8 mm
No. of slots on table	3
Positioning accuracy	0.01 mm
Spindle taper	MT2
Minimum speed	100 r/min
Maximum speed of spindle	7000 r/min
Motor power	500 W
Machine dimension	570x650x660 mm
Shipping dimension	760x750x785 mm
Machine weight	120 KG
Shipping weight	150 KG



SP2213

PC base CNC MILL with MACH3 system



4-th axis come ready to go, plug and play.



SP2213S

Optional Stand

CNC MILLING MACHINE

SP2215 CNC MILL is a 3-axis (optional rotary 4th axis available) PC-base CNC milling machine, provide with MACH3 or SIEMENS CNC system.

Specifications

Drilling capacity	16 mm
Worktable size	550x160 mm
Worktable T-slot size	12 mm
No. of T-slots on table	3
Max. load bearing of worktable	35 Kg
Table travel - X axis	280 mm
Table travel - Y axis	120 mm
Head travel - Z axis	270 mm
Motor of X axis	4 N·m
Motor of Y axis	4 N·m
Motor of Z axis	6 N·m
The max. speed of moving (X,Y,Z)	2000 mm/min
The speed of feeding (X,Y,Z)	500 mm/min
Throat	232 mm
Position accuracy	0.015 mm
Repeatability position accuracy	0.01 mm
Spindle taper	MT3 / R8 / ISO30
Speed of Spindle	100 - 5000 r/min
Main motor power	1000 W
Machine size (LxWxH)	870x690x1625 mm
Packing size (LxWxH)	1020x1000x1130 mm
Weight (n.w./g.w.)	210/260 Kg

Feature:

- Powerful brushless motor
- Automatic safety door lock
- Additional power socket for computer
- Work light installed
- Professional electronic system

Optional Stand

SP2215



SP2215S



MACH3 is developed by Artsoft in Canada. can control Lathes, Mills, Routers, Lasers. Plasma Cutter, and Engravers.

Converts a standard PC to a fully featured CNC controller. Up to 6 axis CNC control. Allows direct import of DXF, BMP, JPG and HPGL files. Generates G-codes. Visual G-Code display, Spindle speed control. Multiple relay control. Manual pulse generation. Includes multiple wizards.



CONTROL BOX

CNC MILLING MACHINE

Specifications

Face milling capacity	Ø50 mm
End milling capacity	Ø16 mm
Drilling capacity	Ø18 mm
Spindle taper	MT2
Spindle motor rating	450 W
Voltage	220 V
Frequency	50 Hz
X-axis travel	140/220 mm
Y-axis travel	140 mm
Z-axis travel	140 mm
Table travel	305/405x150 mm
Spindle speeds	100-3000 rpm
Repetiton oriented precision	0.01 mm
Oriented precision	0.01 mm

Feature

- Brushless motor available
- Coolant pump as standard accessory
- Perfect for education and light industry
- Hight quality to price ratio
- 4th axis available



OPTIONAL ACCESSORIES

Machine Model	Part No.	Product Name	Description
SP2211-2212	OA3114	mill chuck set	
SP2211-2212	OA3115	taper shank	
SP2211-2212	OA3116	vice	
SP2211-2212	OA3117	drill chuk	

Machine Model	Part No.	Product Name	Description
SP2213/SP2221	OA1185	100mm rotary worktable (4th axis)	
SP2213/SP2221	OA1190	80mm 3 jaw chuck	
SP2213/SP2221	OA1010	80mm 4 jaw chuck (independent)	
SP2213/SP2221	OA1105	clamping kit 24pcs set	
SP2213/SP2221	OA1195	drill chuck with MT2 shank	
SP2213/SP2221	OA1036	100mm quick vice	
SP2213/SP2221	OA1133	70mm vice with angle adjustment	
SP2213/SP2221	OA1070	MT2 mill chuck set 3,4,5,6,8,10mm	
SP2213/SP2221	OA1117	MT2 boring arbor with boring cutter	
SP2213/SP2221	OA1069	Metric 2 flute HSS end mill 6pcs set 3,4,5,6,8,10mm	
SP2213/SP2221	OA1183	6mm engraving tool set	
SP2213/SP2221	OA1134	coolant system 27L	for SP2213 only
SP2213/SP2221	OA1189	stand 1000x650x800mm	for SP2213 only
SP2213/SP2221	OA1187	computer stand	
SP2213/SP2221	OA1186	handwheel	for SP2213 only
SP2213/SP2221	OA1184	PCMCIA parallel card	

Machine Model	Part No.	Product Name	Description
SP2215	OA1185	100mm rotary worktable (4th axis)	
SP2215	OA1190	80mm 3 jaw chuck	
SP2215	OA1010	80mm 4 jaw chuck (independent)	
SP2215	OA1186	handwheel	
SP2215	OA1192	R8 drill chuck	
SP2215	OA1193	ISO30 drill chuck	
SP2215	OA1194	MT3 drill chuck	
SP2215	OA1036	100mm quick vice	
SP2215	OA1142	100mm vice with angle adjustment	
SP2215	OA1109	80mm vice	
SP2215	OA1188	ISO30 mill chuck set 3,4,6,8,10,12,14,16mm	
SP2215	OA1037	MT3 mill chuck set 4,6,8,10,12,14,16mm	
SP2215	OA1191	R8 mill chuck set 3,4,6,8,10,12,14,16mm	
SP2215	OA1128	MT3 boring cutter with arbor	
SP2215	OA1128A	R8 boring cutter with arbor	
SP2215	OA1069	Metric 2 flute HSS end mill 6pcs set 3,4,5,6,8,10mm	
SP2215	OA1045	2 flute HSS end mill 4,6,8,10,12,14,16mm	
SP2215	OA1183	6mm engraving tool set	
SP2215	OA1134	coolant system 27L	
SP2215	OA1114B	stand	
SP2215	OA1187	computer stand	
SP2215	OA1187A	integrated computer frame	



SP2801

- Brushless motor
- PC controlled
- Mach3 control system available
- Ball screw and linear bearings (stable & high accuracy)



ER16 collet set as standard
Ø3, 4, 5, 6 mm

Specifications:

Spindle inner size	ER16
Max.distance between spindle face to worktable	95 mm
Table effective size	480x740 mm
X axis travel	360 mm
Y axis travel	400 mm
Z axis travel	55 mm
Spindle speed	300-20000 r/min
X axis Working speed	5000 mm/min
Y axis Working speed	5000 mm/min
Z axis Working speed	1500 mm/min
Position resolution	0.015 mm
Reposition resolution	0.015 mm
T-slot size	8 mm
Main motor power	500 W
Machine overall dimension	930x810x800 mm
Packing size	1040x970x980 mm
Weight (N.W/G.W)	120/150 KG

Optional accessories

Rotary table (the 4th axis)



Max. length of work piece 360mm
Max. diameter of work piece 40mm

Engraving tool set



OA1183

Pcmcia parallel card



OA1184

Stand



Dimension(LxWxH)
1000x650x800mm

OA1189

Clamping Kit



24 pcs.

OA1105

Feature

- Linear roller bedway
- Ultimate 10000rpm spindle speed (optional)
- Portable handwheel
- Up to 16 tool storage (optional)
- Fully covered cabinet for safety
- Automatic lubrication system
- Adjustable lead-screw
- Stainless steel cabinet
- C3 standard ball-screws

Specifications

Table size L×W	800×320 mm
Number of T slot / width / interval distance	3/14/100 mm
Max. work-load	300 kg
X travel	500/550 mm
Y travel	320/350 mm
Z travel	370/380 mm
Spindle nose to table	100-470 mm
Spindle center to column	380 mm
Spindle taper	BT40/BT30
Max. spindle speed	8,000/10,000 rpm
Main motor	3.7/5.5 KW
X-axis motor	5 N
Y-axis motor	6 N
Z- axis motor	6 N
Rapid feed rate (X/Y/Z-Axis)	10000/10000/8000 mm/min
Feed rate	1-5000 mm/min
Positioning accuracy	0.016 mm
Repeatability accuracy	0.008 mm
Tool changer capacity	10/16
Air pressure	0.6 Mpa
Machine weight (kg)	2500 kg
Machine overall size :L×W×H	2200x1600/1860x2300 mm



SMC8550

Feature

- Linear roller bedway
- Up to 8000rpm spindle speed (optional)
- Portable handwheel
- Up to 16 tool storage (optional)
- Fully covered cabinet for safety
- Automatic lubrication system
- Adjustable lead-screw
- Stainless steel cabinet
- C3 standard ball-screws

Specifications

Table size L×W	1000x330 mm
Number of T slot / width / interval distance	5/16 mm / 63 mm
Max. work-load(KG)	300 kg
X travel (mm)	510 mm
Y travel (mm)	360 mm
Z travel (mm)	410 mm
Spindle nose to table (mm)	110-520 mm
Spindle center to column (mm)	380 mm
Spindle taper	BT40
Max. spindle speed (rpm)	6,000/8,000 rpm
Main motor (KW)	5.5 KW
X-axis motor	5 N
Y-axis motor	6 N
Z- axis motor	6 N
Rapid feed rate (X/Y/Z-Axis)	10000/10000/8000 mm/min
Feed rate	1-5000 mm/min
Positioning accuracy	0.016 mm
Repeatability accuracy	0.008 mm
Tool changer capacity (Funnel type)	10/12
(Manipulator)	12/16
Air pressure	0.6 Mpa
Machine weight	2000 kg
Machine overall size :L×W×H	2100x1500x2160 mm



SMC8510

Specifications

Table size	250x500 mm
X Axis	410 mm
Y Axis	210 mm
Z Axis	270 mm
Positioning Accuracy	±0.015 mm
Repeatability	±0.010 mm
Spindle drive motor	2.2 KW
Max spindle speed	3000 mm/min
Rapid traverse speed	6000 mm/min
Distance from spindle nose to table surface	190-460 mm
T-Slot	13x75x3
Spindle taper	Bt40
Max. Load of Table	200 KG
Tool selection	Freedom/None
ATC number of tools	8 or 12 Tools/None
Total power	10 KW/8 KW
Machine weight	1.6 T/1.7 T
Packing size	1920x1780x2200 mm



May opt different style



SMC8500

Specifications:

Worktable size	700×250 mm
T-slot size	12×3 mm
Max.load	250 Kg
Worktable travel-X-axis	400 mm
Max.travel-Y-axis	260 mm
Headstock travel-Z-axis	280 mm
Distance from spindle-nose to table surface	Max. 360 mm Min. 80 mm
Taper	7:24、BT30
Speed range	50-6000 r/min
Spindle motor power	2.2/3.0 Kw
Rapid travel	X-axis 5 m/min Y-axis 5 m/min Z-axis 3 m/min
Feed speed	3 m/min
Tool magazine type	Umbrella type magazine
Capacity	10 piece
Max.tool diameter	φ 50 mm
Servo motor	1.2/6 Kw/N.m
X-axis	0.01/300 mm
Y-axis	0.01/300 mm
Z-axis	0.01/300 mm
X-axis	0.01 mm
Y-axis	0.01 mm
Z-axis	0.01 mm
Net weight of machine	1500 Kg
Weight of machine	1700 Kg
Dimensions of machine LxWxH	1880x1460x2100 mm
Packing Size LxWxH	1940x1580x2290 mm



SMC8400



Feature

- Linear roller bedway
- Up to 8000rpm spindle speed (optional)
- Up to 10 tool storage
- Fully covered cabinet for safety
- Automatic lubrication system
- Adjustable lead-screw
- Stainless steel cabinet

Feature

- Ultimate 8000rpm spindle speed (optional)
- Up to 8 tool storage (optional)
- Fully covered cabinet for safety
- Stainless steel cabinet

SMC8420/8330

Specifications

Model	SMC8420	SMC8330
Table size LxW	800x360 mm	690x210 MM
Number of T slot/width/interval distance	5/16 mm/50 mm	3/16 mm/63 mm
Max. work-load	150 kg	100 kg
X travel	420 mm	330 mm
Y travel	270 mm	220 mm
Z travel	410 mm	320 mm
Spindle nose to table	70-480 mm	90-410 mm
Spindle center to column	315 mm	280 mm
Spindle taper	BT30	BT30
Max. spindle speed	6,000/8,000 rpm	6,000/8,000 rpm
Main motor	2.2 KW	2.2 KW
X-axis motor	4 N	3.3 N
Y-axis motor	5 N	4 N
Z- axis motor	6 N	5 N
Rapid feed rate (X/Y/Z-Axis)	10000/10000/8000 mm/min	10000/10000/8000 mm/min
Feed rate	1-4000 mm/min	1-4000 mm/min
Positioning accuracy	0.016 mm	0.016 mm
Repeatability accuracy	0.008 mm	0.008 mm
Tool changer capacity (Funnel type)	6/8/10	6/8
(Manipulator)	10	
Air pressure	0.6 Mpa	0.6 Mpa
Machine weight	1300 kg	700 kg
Machine overall size :LxWxH	1900x1400x2100 mm	1200x1100x2000 mm

Note



SUMORE INDUSTRIAL GROUP

ADD: Room 1410, D-Block, Pufa Plaza, No.1759
Zhongshan Rd (North), Shanghai, China

Tel: 86-21-61478329 61478359 61478343

Fax: 86-21-61478240

E-mail: sales@sumore.com

Http: [//www.sumore.com](http://www.sumore.com)