

HEAVY DUTY INDUSTRIAL & BUSINESS

ZERO TOLERANCE EQUIPMENT

- Vertical Machine Center • CNC Milling Machine • Laser Engraving Machine
- Multi Function Knife Cutting Machine • Fiber Laser Cutting Solutions • Etc.



High
Technology



Excellent
Performance



High
Performance



High
Precision

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ZERO TOLERANCE EQUIPMENT

SUITABLE FOR ADVANCING YOUR BUSINESS



HIGH
TECHNOLOGY



EXCELLENT
PERFORMANCE



HIGH
EFFICIENCY

VMC SERIES

FEATURES

- Use strong rigid casting steel. X/Y/Z axes are supplied with rectangular guide ways, medium frequency quenching and precisely grinding.
- Guide-ways are with plastic sticker, and be precisely scrapped.
- Original high speed and high precision spindle.
- Whole machine be equipped with imported P4 bearing.
- Coolant system equipped with pump of large flow and high lift pump to insure cooling under high-speed cutting.



SPECIFICATION

MODEL		VMC540	VMC650	VMC750	VMC850	VMC1055
TRAVEL	X/Y/Z Axis Travel (mm)	500/400/455	650/400/480	750/450/500	800/500/550	1000/550/600
	Distance from spindle nose to worktable (mm)	45-500	80-560	180-680	106-655	150-750
	Distance from spindle center to column (mm)	460	480	520	550	620
WORKTABLE	T slot (width x No. x space) (mm)	16 x 3 x 110	18 x 3 x 135	18 x 3 x 150	18 x 3 x 150	18 x 5 x 80
	Worktable size (L:mm x W:mm)	380 x 620	420 x 800	450 x 900	500 x 1050	550 x 1150
	Max. Loading on worktable (kg)	300	500	600	600	800
SPINDLE	Motor power (kW)	3.7/5.5	5.5/7.5	7.5/11	7.5/11	7.5/11
	Spindle speed (r.p.m)	60~8000	60~8000	60~8000	60~8000	60~8000
	Spindle taper	BT40	BT40	BT40	BT40	BT40
	Spindle bearing	P4	P4	P4	P4	P4
FEEDING	3 Axes fast moving speed	(m/min) (X&Y)	18	18	18	18
		(m/min) (Z)	15	15	15	15
	Cutting feeding rate (mm)	1~5000	1~5000	1~5000	1~5000	1~5000
	X/Y axis ball screw (diameter x space) (mm)	32mm x 5	32mm x 6	40 x 10	40 x 10	40 x 10
	Z axis ball screw (diameter x space) (mm)	32mm x 5	32mm x 6	40 x 10	40 x 10	40 x 10
Min. set and moving unit (mm)	0.001	0.001	0.001	0.001	0.001	
ATC	ATC Type	Manipulator	Manipulator	Manipulator	Manipulator	Manipulator
	Time of tools automatic charging (near s)	3	3	3	3	3
	ATC capacity	20	24	24	24	24
	Max. diameter of tool (near x mm) x Weight (kg) x Length (mm)	80 x 7 x 300	80 x 7 x 300	80 x 7 x 300	80 x 7 x 300	80 x 7 x 300
3 - Axis Accuracy	Position accuracy (300mm)	± 0.005	± 0.005	± 0.005	± 0.005	± 0.005
	Repeated position accuracy (300mm)	± 0.003	± 0.003	± 0.003	± 0.003	± 0.003
OTHER	Machine weight (kg)	3200	4200	5500	5500	6000
	Air pressure (kg/cm ²)	6	6	6	6	6
	Power of cutting coolant pump (W)	370	370	370	370	370
	Power capacity (KVA)	11	11	15	15	15
	Overall size (L x W x H) (mm)	2100 x 1750 x 2100	2600 x 2300 x 2500	2700 x 2300 x 2800	2700 x 2300 x 2600	2900 x 2300 x 2600
	CNC controller system	FANUC, Mitsubishi, Siemens 828D, GSK218M				

Description and specification given in this catalogue are subject to modification without notice

STANDARD ACCESSORIES

- FANUC control system
- Arm-Type ATC
- Automatic lubricating system
- Spindle blowing device
- Guide-way telescopic cover
- Movable hand-wheel
- Hand-held air gun
- Alarm light
- Coolant system
- Working light
- RS232 interface
- Tool box and manual
- Level adjusting screws and block



- 3-coordinates measuring instrument to ensure the size of work piece after being cut
- Unitary machine gap and motor base to increase transmission rigidity
- A recycled Roundness measuring instrument was adopted to correct roundness accuracy and geometric accuracy, with this to insure the motion accuracy under three-dimensional space.

OPTIONAL ACCESSORIES

- Spindle oil cooling
- Rear flushing
- The 4th axis rotary table
- Chip conveyor
- Spindle centre water
- Electric box refrigerator

SPECIFICATION

VMC1060	VMC1360	VMC1370	VMC1580	VMC1690	VMC1890	VMC2011	VMC2511
1000/600/600	1300/600/600	1300/700/650	1500/800/700	1600/900/670	1800/900/680	2200/1000/100	2500/1100/800
180-780	180-780	150-800	170-870	170-840	160-840	300-1400	250-1050
600	650	785	800	950	950	1100	1150
18 x 5 x 120	18 x 5 x 120	18 x 5 x 152.5	22 x 5 x 135	22 x 5 x 165	22 x 5 x 165	22 x 7 x 140	22 x 7 x 150
600 x 1300	600 x 1500	710 x 1400	800 x 1700	900 x 1800	900 x 2000	1000 x 2200	1100 x 2700
800	800	1000	1500	1500	1600	5000	5000
11/15	11/15	15/18	15/18	15/18	15/18	15/18.5	18/22
60~8000	60~7000(6000)	60~6000	60~6000	60~6000	60~8000	60~8000	60~6000
BT40	BT40(BT50)	BT50	BT50	BT50	BT50	BT50	BT50
P4	P4	P4	P4	P4	P4	P4	P4
18	18	18	18	15	15	15	12
15	15	15	15	12	12	12	12
1~5000	1~5000	1~5000	1~5000	1~5000	1~5000	1~5000	1~5000
40x10	40x10	50x10	63 x 10	55 x 8	55 x 8	63 x 16	63 x 16
40x10	40x10	50x10	50 x 10	55 x 8	55 x 8	55 x 12	55 x 12
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Manipulator	Manipulator	Manipulator	Manipulator	Manipulator	Manipulator	Manipulator	Manipulator
3	3	3.5	3.5	3.5	3.5	3.5	3.5
24	24	24	24	24	24	24	24
80 x 7 x 300	80 x 7 x 300	127 x 15 x 450	127 x 15 x 540	127 x 15 x 300	127 x 15 x 300	127 x 15 x 300	127 x 15 x 300
± 0.005	± 0.005	± 0.005	± 0.005	± 0.005	± 0.005	± 0.005	± 0.005
± 0.003	± 0.003	± 0.003	± 0.003	± 0.003	± 0.003	± 0.003	± 0.003
7500	8500	10000	13000	14000	14000	18000	20000
6	6	6	6	6	6	6	6
370	370	370	370	370	370	370	370
20	20	30	30	35	35	35	40
3400 x 2750 x 2800	3750 x 2800 x 2800	4000 x 3200 x 3300	4290 x 3200 x 3500	4400 x 3500 x 3500	5000 x 3500 x 3500	4800 x 4100 x 4700	6500 x 4100 x 3300

FANUC, Mitsubishi, Siemens 828D, GSK218M

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VMC SERIES

FEATURES

- Precision linear guide-way for X/Y/Z axis, high speed of rapid moving and high efficient cutting;
- Optional rectangular sliding guide-way for Z axis, better anti-vibrating and stable in cutting;
- Swing-arm ATC can realize rapid tool change and suitable for the high-efficient machining;
- Imported original high speed high precision spindle;
- Whole machine be equipped with imported P4 bearing.



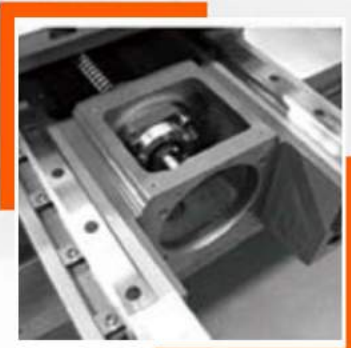
SPECIFICATION

MODEL		VMC500L	VMC650L	VMC750L	VMC850L	VMC1055L	
TRAVEL	X/Y/Z Axis Travel (mm)	500/350/400	650/400/460	750/450/500	800/500/550	1000/550/600	
	Distance from spindle nose to worktable (mm)	100-500	150-610	100-600	150-700	150-750	
	Distance from spindle center to column (mm)	360	500	510	600	620	
WORKTABLE	T slot (width x No. x space) (mm)	12 x 3 x 150	14 x 3 x 150	18 x 3 x 150	18 x 3 x 100	18 x 5 x 80	
	Worktable size (L mm x W mm)	350 x 650	700 x 450	800 x 450	1000 x 500	1150 x 550	
	Max. Loading on worktable (kg)	200	400	600	600	750	
SPINDLE	Motor power (kW)	2.2/3.7	5.5/7.5	5.5/7.5	7.5/11	7.5/11	
	Spindle speed (rpm)	60~10000	60~8000	60~8000	60~8000	60~8000	
	Spindle taper	BT30	BT40	BT40	BT40	BT40	
	Spindle bearing	P4	P4	P4	P4	P4	
FEEDING	3 Axes fast moving speed	(X&Y) m/min	24	24	30	18	30
		(Z) m/min	18	18	124	15	20
	Linear guideway (X/Y/Z)	25/25/25	35/35/35	45/45/45	35/45/45	35/45/45	
	Cutting feeding rate (mm)	1~5000	1~5000	1~10000	1~10000	1~10000	
	Min. set and moving unit (mm)	0.001	0.001	0.001	0.001	0.001	
	Pitch of X/Y axis	10	12	12	12	12	
3 - AXIS ACCURACY	Position accuracy (300mm)	± 0.003	± 0.005	± 0.005	± 0.005	± 0.005	
	Repeated position accuracy (300mm)	± 0.002	± 0.003	± 0.003	± 0.003	± 0.003	
ATC	ATC Type	Clock ATC	Manipulator	Manipulator	Manipulator	Manipulator	
	ATC capacity	12	24	24	24	24	
	Max. diameter of tool (near x mm) x Weight (kg) x Length (mm)	80 x 7 x 300	80 x 7 x 300	80 x 7 x 300	80 x 7 x 300	80 x 7 x 300	
	Time of tools automatic charging (near) (s)	3	3	3	3	3	
OTHER	Machine weight (kg)	2500	5000	5500	6000	7500	
	Air pressure (kg/cm ²)	6	6	6	6	6	
	Power of cutting coolant pump (W)	370	370	370	370	370	
	Power capacity (KVA)	8	10	12	15	20	
	Overall size (L x W x H) (mm)	2000 x 1750 x 2100	2600 x 2300 x 2600	2700 x 2300 x 2600	2800 x 2300 x 2600	3600 x 2900 x 2950	
	CNC controller system	FANUC, Mitsubishi, Siemens 828D, GSK218M					

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STANDARD ACCESSORIES

- FANUC control system
- Automatic lubricating system
- Spindle blowing device
- Guide-way telescopic cover
- Movable hand-wheel
- Hand-held air gun
- Alarm light
- Working light
- RS232 interface
- Tool box and manual
- Level adjusting screws and block



OPTIONAL ACCESSORIES

- Spindle oil cooling
- Arm - Type ATC
- Rear flushing
- The 4th axis rotary table
- Chip conveyor
- Spindle centre water
- Electric box refrigerator

- Oil-water separating design of castings improves cutting quality.
- Block saddle motor, overall type, to improve the transmission rigidity.



High Technology



Excellent Performance



High Efficiency

SPECIFICATION

VMC1160L	VMC1165L	VMC1370L	VMC1580L	VMC1690L	VMC1890L
1100/600/700	1100/600/700	1300/700/6500	1500/800/700	1600/900/670	1800/900/720
120-820	120-820	150-800	170-870	170-840	160-880
655	655	785	800	950	950
18 x 5 x 100	18 x 5 x 100	12 x 3 x 152.5	22 x 5 x 135	22 x 5 x 165	22 x 5 x 165
1300 x 600	1300 x 600	700 x 1400	800 x 1700	900 x 1800	900 x 1500
800	900	1000	1500	1600	1700
11/15	11/15	15/18	15/18	15/18	15/18
60~8000	60~8000	60~6000	60~6000	60~6000	60~6000
BT40	BT40	BT50	BT50	BT50	BT50
P4	P4	P4	P4	P4	P4
24	24	24	20	20	20
20	20	24	15	15	15
45/45/45	45/45/45	45/45/Box Guideway	55/45/Box Guideway	55/45/Box Guideway	55/45/Box Guideway
1~10000	1~10000	1~10000	1~5000	1~5000	1~5000
0.001	0.001	0.001	0.001	0.001	0.001
12	12	12	10	12	12
12	12	12	10	12	12
± 0.005	± 0.005	± 0.005	± 0.005	± 0.005	± 0.005
± 0.003	± 0.003	± 0.003	± 0.003	± 0.003	± 0.003
Manipulator	Manipulator	Manipulator	Manipulator	Manipulator	Manipulator
24	24	24	24	24	24
80 x 7 x 300	80 x 7 x 300	127 x 15 x 300	127 x 15 x 300	127 x 15 x 300	127 x 15 x 300
3	3	3.5	3.5	3.5	3.5
7500	7500	10000	14000	15000	16000
6	6	6	6	6	6
370	370	370	370	370	370
20	20	25	30	35	35
3600 x 2900 x 2950	3600 x 2900 x 2950	4000 x 3200 x 3300	4290 x 3200 x 3500	4400 x 3500 x 3500	5000 x 3500 x 3500

FANUC, Mitsubishi, Siemens 828D, GSK218M

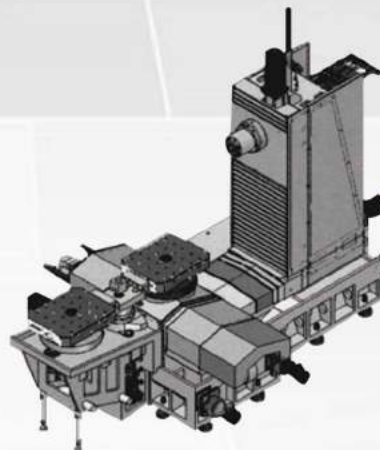
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HMC SERIES

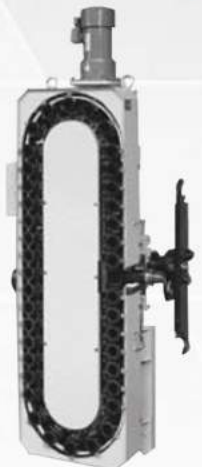


FEATURES

- A prevalent inverted "T" shaped layout is in the base frame, which is high in rigidity of the integral structure and is not creative of any overturning during the full stroke.
- The base frame manufacture by 5-sided machines high-precisely machining, finish most work in one chucking.
- A grouped 60° angular contact ball-bearing is adopted in the lead-screw, which is doubly supported, so as to increase the machining precision.
- High-frequency hardened slide rails or heavy-load high precision roller guide-ways, which have an excellent property of shock absorption and can bear heavy load cutting.
- Precision spindle, 6000rpm and with air film protection device, so as to ensure to keep the spindle precision and service long life.
- CNC rotary table, indexing table, Exchange table for optional.



Lathe bed deformation simulation experiments carried out to ensure that the machine is excellent flexural rigidity.



Automatic tool changer with tool installed separately, to avoid an impact on the machining accuracy. Tool selection using the short path.

STANDARD ACCESSORIES

- Rigid tapping
- Full closed cover
- Electronic handwheel
- Lighting equipment
- Double helix chip cleaner
- Auto lubrication system
- Spindle taper cleaner
- Spindle tool coolant system toolbox
- Cam manipulator tool magazine:24
- RS232 interface
- Manual air gun
- Tool box



OPTIONAL ACCESSORIES

- BT50 Tool shank
- Cam manipulator Tool magazine:30
- 3-axis Grating detection equipment
- Work-piece measurement system
- Cutter measurement system
- Spindle internal-cooling
- CNC Rotary working table
- Chaining chip cleaner
- Length setting and edge finder of tool
- Oil and water splitter filter
- Spindle water-coolant equipment
- Network function

Strengthen the spindle flange thickness and diameter, strengthen the tool clamping force, so that it has a strong torsional strength, improved heavy cutting.

SPECIFICATION

MODEL	HMC40 (Box rail way)	HMC50 (Linear rail way)	HMC63 (Linear rail way)	HMC80 (Linear rail way)	HMC100 (Linear rail way)	
Worktable dimension (LxW) (mm)	400 x 400	500 x 500	630 x 630	800 x 800	1000 x 1000	
Number of worktables	1	1/2	1/2	1/2	1/2	
Working indexing (°)	5 x 72/0.001	1 x 360/0.001	1 x 360/0.001	1 x 360/0.001	1 x 360/0.001	
T shaped slot number of slot x width of slot x interval (mm)	3 x 4 x 80	5 x 18 x 100	5 x 22 x 125	5 x 22 x 160	5 x 22 x 160	
Maximum load capacity of worktable (kg)	250	500	1000	1500	2000	
X axis travel (mm)	580	650	950	1300	1600	
Z axis travel (mm)	440	550	830	900	1300	
Y axis travel (mm)	500	550	750	900	1300	
Distance from center of spindle to worktable (mm)	60-500	120-670	120-870	100-1000	75-1375	
Distance from spindle nose to center of worktable (mm)	110-610	180-730	170-1000	180-1080	250-1550	
Spindle taper	BT40	BT40	BT50	BT50	BT50	
Maximum spindle speed (rpm)	8000	8000	6000	6000	6000	
Rapid traveling (X, Y and Z) (mm/min)	15000	15000	24000	24000	24000	
Maximum speed of table (r/min)	5	10	10	10	10	
ATC type	Manipulator	Manipulator	Manipulator	Manipulator	Manipulator	
ATC capacity	24	24	24	24	24	
Maximum tool dimensions (diameter x length) (kg)	Adjacent tool	φ80 x 300	φ80 x 320	φ125 x 350	φ125 x 350	φ125 x 350
	Without adjacent tool	φ120 x 300	φ120 x 320	φ250 x 350	φ250 x 350	φ250 x 350
Maximum tool weight (kg)	15	15	25	25	25	
Time of Tool changing (tool to tool) (s)	3	3	5.5	5.5	5.5	
G.W. (kg)	6500	12000	14000	18000	22000	
Position precision (300mm)	± 0.005	± 0.005	± 0.005	± 0.005	± 0.005	
Repeated position precision (300mm)	± 0.003	± 0.003	± 0.003	± 0.003	± 0.003	

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HB SERIES

FEATURES

- High-quality meehanite casting, the structure by the finite element analysis, in order to achieve the best stability.
- Suitable for machining large mold, mold base.
- In all three axis precision level of large diameter screw, and appropriately and the screw pre-stretching, in order to improve the stiffness of the lead screw pair.
- Using precision grade super heavy rail line application, to ensure high precision and high bearing processing requirements.



SPECIFICATION

Model		13A SERIES		13B SERIES		15A SERIES		15B SERIES		
		HB2013A	HB2513A	HB2013B	HB2513B	HB2015A	HB2515A	HB2015B	HB2515B	HB3015B
Worktable	Worktable (length x width) (mm)	2200 x 1100	2700 x 1100	2200 x 1100	2700 x 1100	2200 x 1300	2700 x 1300	2200 x 1300	2700 x 1300	3200 x 1300
	Max. Load table (kg)	6000	8000	6000	8000	6000	8000	6000	8000	8000
Triaxial itinerary	T-slot (number of slot x slot width x pitch) (mm)	7-22 x 150		7-22 x 150		7-22 x 175		7-22 x 175		
	Gantry width (mm)	1350	1350	1350	1350	1550	1550	1550	1550	1550
	Travel for X/Y/Z axis (mm)	2000/1300 /800	2500/1300 /800	2000/1300 /900	2500/1300 /900	2000/1500 /800	2500/1500 /800	2000/1500 /900	2500/1500 /900	3000/1500/900
	Distance from spindle nose to table surface (mm)	150-950	120-920	180-1080	150-1050	150-950	120-920	180-1080	150-1050	150-1050
Feeding system	CNC system	FANUC Oi MD		FANUC Oi MD		FANUC Oi MD		FANUC Oi MD		
	Rapid shift of axis of X/Y/Z (m/min)	12/12/10		12/12/10		12/12/10		12/12/10		10/12/10
	Max cutting feed speed (m/min)	7		7		7		7		
ATC	X/Y/Z-axis guide specification	2-45 (X) / 2-45 (Y) /Z-axis box rail way		2-45 (X) / 2-45 (Y) /Z-axis box rail way		2-45 (X) / 2-45 (Y) /Z-axis box rail way		2-45 (X) / 2-45 (Y) /Z-axis box rail way		
	Standard tool quantity	BT50/24		BT50/24		BT50/24		BT50/24		
Precision	The largest diameter cutter knife / length	φ 110/300		φ 110/300		φ 110/300		φ 110/300		
	Tool exchanging manner	Manipulator		Manipulator		Manipulator		Manipulator		
	Max tool weight (mm)	18		18		18		18		
Spindle system	Positioning accuracy (mm)	±0.005		±0.005		±0.005		±0.005		
	Accuracy of repeated positioning	±0.003		±0.003		±0.003		±0.003		
Other	Spindle specifications (mode installation diameter) (mm)	BT50/ φ190		BT50/ φ190		BT50/ φ190		BT50/ φ190		
	The max speed of belt drive milling head (mm)	6000		6000		6000		6000		
	Motor power	15/18.5		15/18.5		15/18.5		15/18.5		
Other	Requirements for air compressing (kg/cm ²)	≥6		≥6		≥6		≥6		
	Air pressure flux (m ³ /min)	≥0.5		≥0.5		≥0.5		≥0.5		
	Integrated weight (kg)	17000	19000	17000	19000	18000	20000	18000	20000	21000
	Overall dimension (length x width x height) (mm)	5110 x 3120 x 4130	7150 x 3120 x 4190	6110 x 3120 x 4480	7150 x 3120 x 4536	6110 x 3320 x 4130	7150 x 3320 x 4190	6110 x 3320 x 4480	7150 x 3320 x 4536	8150 x 3320 x 4536

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STANDARD ACCESSORIES

- Full closed cover
- Automatic chip cleaner
- Guideway protection
- Automatic lubrication system
- Spindle blowing
- Mobile hand wheel
- Alarm light
- Z axis hydraulic balance system
- Manual air gun
- Automatic cooling system



Optional 90° milling head realizes five face machining.



Optional automatic tool checking instrument improves working efficiency.

OPTIONAL ACCESSORIES

- ZF gearbox
- Full-gear spindle
- 24/32/40T Automatic tools changer
- Spindle oil cooling
- Automatic shutting system
- The 4th table
- Universal milling head



Optional automatic tool checking instrument improves working efficiency.



Optional hydraulic balance.

SPECIFICATION

Model	18 SERIES			22 SERIES			27A SERIES				27B SERIES	
	HB2018	HB2518	HB3018	HB3022	HB4022	HB5022	HB3027A	HB4027A	HB5027A	HB6027A	HB3027B	HB4027B
Worktable (length x width) (mm)	2000 x 1500	2500 X 1500	3000 x 1500	3000 x 1800	4000 x 1800	5000 x 1800	3000 x 2300	4000 x 2300	5000 x 2300	6000 x 2300	3000 x 2300	4000 x 2300
Max. Load table (kg)	8000	10000	12000	12000	16000	18000	12000	16000	18000	20000	15000	18000
T-slot (number of slot x slot width x pitch) (mm)	7-22 x 200			9-22 x 200			11-22 x 200				11-22 x 200	
Gantry width (mm)	1800	1800	1800	2230	2230	2230	2730	2730	2730	2730	2730	2730
Travel for X/Y/Z axis (mm)	2000/1800/900	2500/1800/900	3000/1800/900	3200/2200/1000	4200/2200/1000	5200/2200/1000	3200/2700/1000	4200/2700/1000	5200/2700/1000	6200/2700/1000	3200/2700/1000	4200/2700/1000
Distance from spindle nose to table surface (mm)	150-1050			310-1310			310-1310				310-1310	
CNC system	FANUC Oi MD			FANUC Oi MD			FANUC Oi MD				FANUC Oi MD	
Rapid shift of axis of X/Y/Z (m/min)	12/12/10			12/12/10	10/12/10	10/12/10	12/12/10	10/12/10	8/12/10	12/12/10	10/12/10	10/12/10
Max cutting feed speed (m/min)	7			7			7				7	
X/Y/Z-axis guide specification	2-55 (X) / 2-55 (Y)/Z-axis box rail way			2-55 (X) / 2-55 (Y)/Z-axis box rail way			2-55 (X) / 2-55 (Y)/Z-axis box rail way				3-55 (X) / 2-55 (Y)/Z-axis box rail way	
Standard tool quantity	BT50/24			BT50/32			BT50/32				BT50/32	
The largest diameter cutter knife / length	φ 110/300			φ 125/300			φ 125/300				φ 125/300	
Tool exchanging manner	Manipulator			Manipulator			Manipulator				Manipulator	
Max tool weight (mm)	18			18			18				18	
Positioning accuracy (mm)	±0.005			±0.005			±0.005				±0.005	
Accuracy of repeated positioning	±0.003			±0.003			±0.003				±0.003	
Spindle specifications (mode installation diameter) (mm)	BT50/ φ190			BT50/ φ200			BT50/ φ200				BT50/ φ200	
The max speed of belt drive milling head (mm)	6000			4000			4000				4000	
Motor power	15/18.5			22/26			22/26				22/26	
Requirements for air compressing (kg/cm ²)	≥6			≥6			≥6				≥6	
Air pressure flux (m ³ /min)	≥0.5			≥0.5			≥0.5				≥0.5	
Integrated weight (kg)	19000	21000	23000	32000	37000	42000	41000	46000	51000	53000	43000	47000
Overall dimension (length x width x height) (mm)	6195 x 4200 x 4580	7140 x 4200 x 4580	8150 x 4200 x 4580	7705 x 4550 x 5167	9900 x 4550 x 5167	11840 x 4650 x 5167	7840x 5150x 5167	9840 x 5150 x 5167	11840 x 5150x 5167	13840x 5150 x 5167	7840 x 5150 x 5167	9840 x 5150 x 5167

Description and specification given in this catalogue are subject to modification without notice

HB SERIES



SPECIFICATION

Model	27B SERIES		29A SERIES				29B SERIES	
	HB5027B	HB6027B	HB3029A	HB4029A	HB5029A	HB6029A	HB3029B	HB4029B
Worktable (length x width) (mm)	5000 x 2300	6000 x 2300	3000 x 2300	4000 x 2300	5000 x 2300	6000 x 2300	3000 x 2300	4000 x 2300
Max. Load table (kg)	22000	24000	12000	16000	18000	20000	15000	18000
T-slot (number of slot x slot width x pitch) (mm)	11-22 x 200		11-22 x 200				11-22 x 200	
Gantry width (mm)	2730	2730	2930	2930	2930	2930	2930	2930
Travel for X/Y/Z axis (mm)	5200/2700/1000	6200/2700/1000	3200/2900/1000	4200/2900/1000	5200/2900/1000	6200/2900/1000	3200/2900/1000	4200/2900/1000
Distance from spindle nose to table surface (mm)	310-1310		310-1310				310-1310	
CNC system	FANUC Oi MD		FANUC Oi MD				FANUC Oi MD	
Rapid shift of axis of X/Y/Z (m/min)	10/12/10	8/12/10	12/12/10	10/12/10	10/12/10	8/12/10	12/12/10	10/12/10
Max cutting feed speed (m/min)	7		7				7	
X/Y/Z-axis guide specification	3-55 (X) / 2-55 (Y)/Z-axis box rail way		2-55 (X) / 2-55 (Y)/Z-axis box rail way				3-55 (X) / 2-55 (Y)/Z-axis box rail way	
Standard tool quantity	BT50/32		BT50/32				BT50/32	
The largest diameter cutter knife / length	φ 125/300		φ 125/300				φ 125/300	
Tool exchanging manner	Manipulator		Manipulator				Manipulator	
Max tool weight (mm)	18		18				18	
Positioning accuracy (mm)	±0.005		±0.005				±0.005	
Accuracy of repeated positioning	±0.003		±0.003				±0.003	
Spindle specifications (mode installation diameter) (mm)	BT50/ φ200		BT50/ φ200				BT50/ φ200	
The max speed of belt drive milling head (mm)	4000		4000				4000	
Motor power	22/26		22/26				22/26	
Requirements for air compressing (kg/cm ²)	≥6		≥6				≥6	
Air pressure flux (m ³ /min)	≥0.5		≥0.5				≥0.5	
Integrated weight (kg)	52000	54000	43000	48000	53000	55000	45000	50000
Overall dimension (length x width x height) (mm)	11840 x 5150 x 5167	13840 x 5150 x 5167	7840x5350x 5167	9840 x 5350 x 5167	11840 x 5350x 5167	13840 x 5350 x 5167	7840 x 5350 x 5167	9840 x 5350 x 5167

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FEATURES

- High-quality meehanite casting, the structure by the finite element analysis, in order to achieve the best stability.
- Suitable for machining large mold, mold base.
- In all three axis precision level of large diameter screw, and appropriately and the screw pre-stretching, in order to improve the stiffness of the lead screw pair.
- Using precision grade super heavy rail line application, to ensure high precision and high bearing processing requirements.



34 Series Optional Semi-automatic right angle heads



All Gear-driving



ZF Gear-box from Germany



As standard each PONTAX Gantry Machining center is equipped with two longitudinal spiral chip cleaners and one transverse link plate chip cleaner.



High Technology



Excellent Performance



High Efficiency

SPECIFICATION

Model	29B SERIES		32B SERIES				34 SERIES		34R SERIES	
	HB5029B	HB6029B	HB3032A	HB4032A	HB5032A	HB6032A	HB6034	HB8034	HB6034R	HB8034R
Worktable (length x width) (mm)	5000 x 2300	6000 x 2300	3000 x 2300	4000 x 2300	5000 x 2300	6000 x 2300	6000 x 2600	8000 x 2600	6000 x 2600	8000 x 2600
Max. Load table (kg)	22000	25000	15000	18000	22000	25000	28000	32000	28000	32000
T-slot (number of slot x slot width x pitch) (mm)	11-22 x 200		11-22 x 200				23-28 x 250	30-28 x 250	23-28 x 250	30-28 x 250
Gantry width (mm)	2930	2930	3230	3230	3230	3230	3430	3430	3430	3430
Travel for X/Y/Z axis (mm)	5200/2900/1000	6200/2900/1000	3200/3200/1000	4200/3200/1000	5200/3200/1000	6200/3200/1000	6200/4000(3400)/1250	8200/4000(3400)/1250	6200/4000(3400)/1250	8200/4000(3400)/1250
Distance from spindle nose to table surface (mm)	310-1310		310-1310				350-1310		350-1600	
CNC system	FANUC Oi MD		FANUC Oi MD				FANUC Oi MD		FANUC Oi MD	
Rapid shift of axis of X/Y/Z (m/min)	10/12/10	8/12/10	12/12/10	10/12/10	10/12/10	8/12/10	8/10/10		8/10/10	
Max cutting feed speed (m/min)	7		7				7		7	
X/Y/Z-axis guide specification	3-55 (X) / 2-55 (Y)/Z-axis box rail way		3-55 (X) / 2-55 (Y)/Z-axis box rail way				4-55 (X) / 2-55 (Y)/2-65(Z)		4-55 (X) / 2-55 (Y)/Z-axis box rail way	
Standard tool quantity	BT50/32		BT50/32				BT50/32		BT50/32	
The largest diameter cutter knife / length	φ 125/300		φ 125/300				φ 125/300		φ 125/300	
Tool exchanging manner	Manipulator		Manipulator				Manipulator		Manipulator	
Max tool weight (mm)	18		18				18		18	
Positioning accuracy (mm)	±0.005		±0.005				±0.005		±0.005	
Accuracy of repeated positioning	±0.003		±0.003				±0.003		±0.003	
Spindle specifications (mode installation diameter) (mm)	BT50/ φ200		BT50/ φ200				BT50/ φ190 (Belt)		BT50/ φ190 (Belt)	
The max speed of belt drive milling head (mm)	4000		4000				4000		4000	
Motor power	22/26		22/26				22/26		22/26	
Requirements for air compressing (kg/cm ²)	≥6		≥6				≥6		≥6	
Air pressure flux (m ³ /min)	≥0.5		≥0.5				≥0.5		≥0.5	
Integrated weight (kg)	54000	56000	45000	50000	54000	56000	80000	95000	90000	105000
Overall dimension (length x width x height) (mm)	11840 x 5350 x 5167	13840 x 5350 x 5167	7840 x 5750 x 5167	9840 x 5750 x 5167	11840 x 5750 x 5167	13840 x 5750 x 5167	15000 x 7500 x 6500	19000 x 7500 x 6500	15000 x 7500 x 6500	19000 x 7500 x 6500

Description and specification given in this catalogue are subject to modification without notice



GANG TOOL



T8 TOOLPOST



T12 TOOLPOST

SPECIFICATION

Model		CK28	CK30		CK35		CK36		
Main data	Max. swing over bed (mm)	φ280	φ300	φ300	φ350	φ350	φ360		φ360
	Max. diameter of workpiece (mm)	φ220	φ300	φ240	φ320	φ320	φ360		φ360
	Max. swing over tool post (mm)	φ490	φ120	φ120	φ130	φ130	φ180		φ200
	Max. machining length (mm)	200	300	120	220	180	300	400	500
	Distance between centers (mm)								600
Spindle & Chuck	Spindle nose style		A2-4		A2-4	A2-5	A2-5	A2-6	A2-5
	Hydraulic chuck	#20 collet	φ135		φ135	φ169	φ169	φ210	φ160
	Spindle motor (KW)	2.2/3.7	3.7/5.5		5.5/7.5		5.5/7.5	7.5/11	5.5/7.5
	Max. Spindle Speed (mm)	6000	4200/5500		4500		4500	3600	6000
	Spindle bore diameter (mm)	φ25	φ41		φ46	φ56	φ56	φ61	φ56
	Bar auto-feeding bore (mm)	φ24	φ30		φ34	φ45	φ45	φ45	φ45
Travel	X/Z axes spec (mm)	250/250	280/300		380/330		380/300	300/400	230/600
	Rapid traverse X/Z axes (m/min)	12/16	12/16		12/16		12/16		
Precision	Position accuracy of X/Z axes (300mm)	±0.005/ ±0.005	±0.005/±0.005		±0.005/±0.005		±0.005/±0.005		
	Repeated position accuracy of X/Z axes (300mm)	±0.003/ ±0.003	±0.003/±0.003		±0.003/±0.003		±0.003/±0.003		
Toolpost	Toolpost station	Gang tool	Gang tool	T8 Toolpost	Gang tool	T8 Toolpost	Gang tool	T8 Toolpost	
Tailstock	Barrel travel of tailstock (mm)	No Tailstock	No Tailstock	No Tailstock	No Tailstock	No Tailstock	No Tailstock	No Tailstock	φ72
	Barrel taper of tailstock (mm)								100
	Max. travel of tailstock (mm)								600
	Max. taper of tailstock (mm)								M.T.4
Packing	Overall size (L*W*H) (mm)	2400 x 1450 x 1550	2500 x 1500 x 1600		2600x1500x1600		2800 x 1700 x 1700	2700 x 1770 x 2320	
Weight	Machine Weight (kg)	1800	2000	2000	2000	2000	3000	3100	

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FEATURES

- The machine is equipped with 45° integrated design with good aseismatic and high rigidity;
- Spindle with the integrated quill structure, it can achieve high speed swing, high rigidity and precision;
- With hydraulic turret, it can achieve high positioning, fast speed for tool change and high performance;
- Tailstock can be adopted by hydraulic driving to make sleeve travel bigger and easy operation;
- Complete closed cover can protect the iron scraps splashing out;
- Designed with the individual water tank, any chip conveyor can be equipped

OPTIONAL ACCESSORIES

- Automatic bar-feeder
- Chip conveyor
- Collets
- Automatic safety door

STANDARD ACCESSORIES

- Hollow hydraulic 3-jaw chuck
- Standard soft jaw
- Standard hard jaw
- Hollow rotary oil cylinder
- Alarm lamp
- Pedal switch
- Automatic lubricating system
- Oil pressure system
- Cooling system



SPECIFICATION

Model		CK40		CK45		CK50		CK55	CK58	CK63	CK80
Main data	Max. swing over bed (mm)	φ400		φ450	φ450	φ500	φ500	φ550	φ580	φ630	φ800
	Max. diameter of workpiece (mm)	φ300		φ400	φ360	φ420	φ500	φ500	φ580	φ630	φ650
	Max. swing over tool post (mm)	φ250		φ220	φ300	φ250	φ320	φ300	φ360	φ360	φ380
	Max. machining length (mm)	370	300	450	400	750, 1000	580	680	960	960	800
	Distance between centers (mm)		400	550	750	800, 1100	670	850	1320	1320	1210
Spindle & Chuck	Spindle nose style	A2-5	A2-6	A2-6	A2-6	A2-6	A2-8	A2-8	A2-8	A2-8	A2-11
	Hydraulic chuck	φ169	φ210	φ210	φ210	φ210	φ254/304	φ254/304	φ254/304	φ254/304	φ304/380
	Spindle motor (KW)	7.5/11	7.5/11	7.5/11	7.5/11	7.5/11	11/15	15/18	15/18	15/18	18/12
	Max. Spindle Speed (mm)	4500	3000	4500	3000	4500	2600	2600	2600	2600	2000
	Spindle bore diameter (mm)	φ56	φ57	φ61	φ57	φ61	φ87	φ87	φ87	φ87	φ100
	Bar auto-feeding bure (mm)	φ45	φ45	φ45	φ45	φ45	φ75	φ75	φ75	φ75	φ88
Travel	X/Z axes spec (mm)	470/400	160/400	470/400	160/500	250/850, 1150	250/620	300/850	350/1120	350/1120	350/1110
	Rapid traverse X/Z axes (m/min)	12/16		12/16		12/16		12/16	12/16	12/16	12/16
Precision	Position accuracy of X/Z axes (300mm)	±0.005/±0.005		±0.005/±0.005		±0.005/±0.005		±0.005/±0.005	±0.005/±0.005	±0.005/±0.005	±0.005/±0.005
	Repeated position accuracy of X/Z axes (300mm)	±0.003/±0.003		±0.003/±0.003		±0.003/±0.003		±0.003/±0.003	±0.003/±0.003	±0.003/±0.003	±0.003/±0.003
Toolpost	Toolpost station	Gang tool	T8 Tool post	Gang tool	T8/T10/T12 Toolpost	T8/T10/T12 Toolpost	T8/T10/T12 Toolpost	T8/T10/T12 Toolpost	T8/T10/T12 Toolpost	T8/T10/T12 Toolpost	T8/T10/T12 Toolpost
Tailstock	Barrel travel of tailstock (mm)	No Tailstock	φ65	No Tailstock	φ65	φ72	φ100	φ90	φ100	φ100	φ90
	Barrel taper of tailstock (mm)		80		80	100	120	120	120	120	120
	Max. travel of tailstock (mm)		300		710	830	670	750	1250	1250	1280
	Max. taper of tailstock (mm)		M.T.4		M.T.4	M.T.4	M.T.5	M.T.5	M.T.5	M.T.5	M.T.5
Packing	Overall size (L*W*H) (mm)	3000 x 1700 x 1800		3320 x 1600 x 1830		3870 x 1740 x 1760		3170 x 1780 x 1800	3720 x 2150 x 2050	3720 x 2220 x 2150	3150 x 1850 x 1950
Weight	Machine Weight (kg)	3200		4000		4200	4300	5000	5600	5800	6300

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SPECIFICATION

Model		CKM28	CKM30	CKM35	CKM36	CKM40	CKM45
Main data	Max. swing over bed (mm)	φ280	φ300	φ350	φ360	φ400	φ450
	Max. diameter of workpiece (mm)	φ220	φ300	φ320	φ360	φ300	φ400
	Max. swing over tool post (mm)	φ490	φ120	φ130	φ180	φ250	φ220
	Max. machining length (mm)	200	300	220	300	370	450
	Distance between centers (mm)						
Spindle & Chuck	Spindle nose style		A2-4	A2-4	A2-5	A2-5	A2-6
	Hydraulic chuck	#20 collet	φ135	φ135	φ169	φ169	φ210
	Spindle motor (KW)	2.2/3.7	3.7/5.5	5.7/5.5	5.5/7.5	7.5/11	7.5/11
	Max. Spindle Speed (mm)	6000	4200/5500	4500	4500	4500	4500
	Spindle bore diameter (mm)	φ25	φ41	φ46	φ56	φ56	φ61
	Bar auto-feeding bure (mm)	φ24	φ30	φ34	φ45	φ45	φ45
Collet	Collet style	ER20	ER20	ER20	ER20	ER20	ER20
	Number of axial and radial motion	2+2	2+2	2+3	2+3	3+3	3+3
Travel	X/Z axes spec (mm)	250/250	280/300	380/330	380/330	470/400	470/400
	Rapid traverse X/Z axes (m/min)	12/16	12/16	12/16	12/16	12/16	12/16
Precision	Position accuracy of X/Z axes (300mm)	±0.005/±0.005					
	Repeated position accuracy of X/Z axes (300mm)	±0.003/±0.003					
Toolpost	Toolpost station	Gang tool	Gang tool	Gang tool	Gang tool	Gang tool	Gang tool
Tailstock	Barrel travel of tailstock (mm)	No Tailstock	No Tailstock	No Tailstock	No Tailstock	No Tailstock	No Tailstock
	Barrel taper of tailstock (mm)						
	Max. travel of tailstock (mm)						
	Max. taper of tailstock (mm)						
Packing	Overall size (L*W*H) (mm)	2400 x 1450 x 1550	2500 x 1500 x 1600	2600 x 1500 x 1600	2800 x 1700 x 1700	3000 x 1700 x 1800	3320 x 1600 x 1830
	Weight	Machine weight (kg)	1800	2000	2000	3000	3200

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STANDARD ACCESSORIES

- Hollow hydraulic 3-jaw chuck
- Standard soft jaw
- Standard hard jaw
- Hollow rotary oil cylinder
- Alarm lamp
- Pedal switch
- Automatic lubricating system
- Oil pressure system
- Cooling system

OPTIONAL ACCESSORIES

- Automatic bar-feeder
- Chip conveyer
- Collets
- Automatic safety door

SERVO TURRET

- Servo Motor
- Hydraulic Locking

DRIVING TOOLS

- Tool model : VDI30/40/50
- Max. speed : 5000RPM
- Driving motor : Servo motor



High
Technology



Excellent
Performance



High
Performance

SPECIFICATION

	Model	CKM50	CKM55	CKM58	GMM63	CKM80
Main data	Max. swing over bed (mm)	φ500	φ550	φ580	φ630	φ800
	Max. diameter of workpiece (mm)	φ420	φ500	φ580	φ630	φ650
	Max. swing over tool post (mm)	φ250	φ300	φ360	φ360	φ380
	Max. machining length (mm)	750, 100	680	960	960	800
	Distance between centers (mm)	800, 1100	850	1320	1320	1210
Spindle & Chuck	Spindle nose style	A2-6	A2-8	A2-8	A2-8	A2-11
	Hydraulic chuck	φ210	φ254/304	φ254/304	φ254/304	φ304/380
	Spindle motor (KW)	7.5/11	15/18	15/18	15/18	18/22
	Max. Spindle Speed (mm)	4500	2600	2600	2600	2000
	Spindle bore diameter (mm)	φ61	φ87	φ87	φ87	φ100
	Bar auto-feeding bure (mm)	φ45	φ75	φ75	φ75	φ88
Travel	X/Z axes spec (mm)	250/850, 1150	300/850	350/1120	350/1120	350/1110
	Rapid traverse X/Z axes (m/min)	12/16	12/16	12/16	12/16	12/16
Precision	Position accuracy of X/Z axes (300mm)	±0.005/±0.005				
	Repeated position accuracy of X/Z axes (300mm)	±0.003/±0.003				
Toolpost	Toolpost station	T12				
	Toolpost model	VDI30	VDI30/40	VDI30/40	VDI30/40/50	VDI30/40/50
Tailstock	Barrel travel of tailstock (mm)	φ72	φ90	φ100	φ100	φ90
	Barrel taper of tailstock (mm)	100	120	120	120	120
	Max. travel of tailstock (mm)	830	750	1250	1250	1280
	Max. taper of tailstock (mm)	M.T.4	M.T.5	M.T.5	M.T.5	M.T.5
Packing	Overall size (L*W*H) (mm)	3870 x 1740 x 1760	3170x1780x 1800	3720 x 2150 x 2050	3720 x 2220 x 2150	3150 x 1850 x 1950
Weight	Machine weight (kg)	4200	5000	5600	5800	6300

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HTP SERIES



FEATURES

- Direct drive spindle, no belt spindle of noise and vibration problems;
- Main structure uses the high quality of rice khan, cast iron castings, and the secondary annealing treatment, to ensure that structure of high rigidity, high stability, and permanent to ensure quality;
- Casting through finite element analysis, the computer calculation and analysis, a reasonable structural strength and strengthened the collocation of floor, provide high rigidity of the machine;
- Three axis adopt rail support with lines that can support heavy load, fast moving, to ensure the positioning precision.

STANDARD ACCESSORIES

- M708 controller system;
- Spindle blowing;
- Coolant system;
- Automatic lubricating system;
- Rigid tapping;
- Umbrella type (16T);
- CF card (1GB);
- Alarm lamp;
- Full-cover;
- Tool box & manual operation

OPTIONAL ACCESSORIES

- Fanuc Oi-MD/Siemens 828D; 4th worktable;
- Spindle oil coolant;
- Spindle speed 15000/18000/24000rpm;
- 21 Tools;
- Air condition for eletrical box



**High
Technology**



**Excellent
Performance**



**High
Performance**



Wellknow brand of direct drive spindle

Linear guide-way

Auto lubricating system

High quality casting base & high rigidity



SPECIFICATION

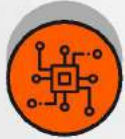
	Model	HTP-500	HTP-600	HTP-700
TRAVEL	X Axis travel (mm)	500	600	700
	Y Axis travel (mm)	400	400	400
	Z Axis travel (mm)	300	300	330
WORKTABLE	Worktable size (mm)	650 x 400	700 x 420	900 x 420
	Max. loading of worktable (kg)	250	350	350
	T Slot (width - run x space)	3 x 14 x 100	3 x 14 x 100	3 x 14 x 125
DISTANCE	Distance from spindle nose to center of worktable (mm)	150-100	150-450	160-460
	Distance from spindle center to column (mm)	420	420	505
SPINDLE	Spindle taper	BT30	BT30	BT30
	Spindle speed (rpm)	12000	12000	12000
	Spindle power (kw)	3.7/5.5	3.7/5.5	3.7/5.5
FEEDING	Rapid traverse speed of 3 axes (X/Y/Z) (m/min)	48/48/48	48/48/48	48/48/48
	Cutting feed rate of 3 axes (mm/mm)	1~10000	1~10000	1~10000
TOOL MAGAZINE	Tool magazine	16	16	16
	Max. tool weight (kg)	3	3	3
	Max. tool length (mm)	200	200	200
	Tool magazine form	Umbrella type	Umbrella type	Umbrella type
PACKING	Machine weight (kg)	2300	2500	2800
	Overall size (L x W x H) (mm)	1760 x 2100 x 2000	1760 x 2100 x 2000	1960 x 1910 x 1950

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XK SERIES

FEATURES

- 4 Pcs Tool stations on worktable with high efficiency. It can finish all process of surface machining, hole machining and tapping by clamping workpiece



High Technology



Excellent Performance



High Efficiency



SPECIFICATION

Model		XK7124, 2124A	XK7124B
WORKTABLE	Size of worktable (L x W) (mm)	800 x 240	800 x 240
		900 x 240 Optional	900 x 240 Optional
	T slot (width x qty x spaces) (mm)	16 x 3 x 60	16 x 3 x 60
	Max loading weight on worktable (kg)	60	60
TRAVEL	X/Y/Z-Axis travel (mm)	430 x 280 x 400	430 x 280 x 400 530 x 280 x 400
	Distance between spindle nose and table (mm)	60-460	50-450 50-550
	Distance between spindle center and column (mm)	297	297
SPINDLE	Spindle speed (r/min)	100-4000	100-6000
	Spindle taper	BT30	BT30
	Tool clamping way	Manual/Pneumatic	Pneumatic
	ATC capacity (optional)	no	4pcs simple ATC
FEEDING	Feeding speed (mm/min)	0-2000	0-2000
	Rapid feeding speed: X, Y, Z axis (m/min)	6	6
ACCURACY	Positioning accuracy (mm)	0.04	0.04
	Repeatability accuracy (mm)	0.02	0.02
	Min. set unit (mm)	0.01	0.01
MOTOR	Main motor power (kw)	1.5 (A/C motor)	2.2/3.7
	Feeding motor power X/Y/Z Axis (kw)	1/1/1	1/1/1.5
TOOLS	Max. size of tool (mm)	φ60 x 175	φ60 x 175
	Max. loading weight of Tool (kg)	3.5	3.5
OTHERS	N.W (include machine stand) (kg)	900	1000
	Overall size (L x W x H) (mm)	1640 x 1205 x 1950(2050)	1640 x 1205 x 1950(2050)
	Packing size (L x W x H) (mm)	1900 x 1620 x 2480(2580)	1900 x 1620 x 2480(2580)
	Loading amount (20")	3sets	3sets

Description and specification given in this catalogue are subject to modification without notice



STANDARD ACCESSORIES

- Coolant system
- Working lamp
- Manual lubricating system
- Siemens Controller system

OPTIONAL ACCESSORIES

- Auto lubricating system
- GSK, FANUC
- Tool released and clamped pneumatically
- Heightened column (Z travel : 50-550 mm)
- 900 x 240 mm worktable
- 160mm Parallel vise 160 mm
- Tool holder
- Machine stand made of iron casting

SPECIFICATION

Model		XK7125	XK7130
WORKTABLE	Size of worktable (L x W) (mm)	100 x 250	1372 x 330
	T slot (width x qty x spaces) (mm)	16 x 3 x 63	16 x 3 x 58
	Max loading weight on worktable (kg)	120	600
TRAVEL	X/Y/Z-Axis travel (mm)	535 x 320 x 375	820 x 420 x 480
	Distance between spindle nose and table (mm)	50-425	60-540/40-520
	Distance between spindle center and column (mm)	345	486
SPINDLE	Spindle speed (r/min)	100-4000 (6000/8000)	100-4000 (6000/8000)
	Spindle taper	BT30	BT30/BT40
	Tool clamping way	Manual	Pneumatic
	ATC capacity (optional)	Optional	10
FEEDING	Feeding speed (mm/min)	0-2000	0-2000
	Rapid feeding speed: X, Y, Z axis (m/min)	12	12
ACCURACY	Positioning accuracy (mm)	±0.008	±0.008
	Repeatability accuracy (mm)	±0.005	±0.005
	Min. set unit (mm)	0.01	0.01
MOTOR	Main motor power (kw)	1.5/2.2	2.2/3.7
	Feeding motor power X/Y/Z Axis (kw)	1/1/1.5	1/1/1.5
TOOLS	Max. size of tool (mm)	f60 x 175	φ60x250/ φ80x250
	Max. loading weight of Tool (kg)	3.5	3.5/7
OTHERS	N.W (include machine stand) (kg)	1700	2400
	Overall size (L x W x H) (mm)	1516 x 1764 x 1708	1980 x 1780 x 2270
	Packing size (L x W x H) (mm)	2250 x 1910 x 2280	2280 x 2030 x 2480
	Loading amount (20")	3sets	3sets

Description and specification given in this catalogue are subject to modification without notice

VMC SERIES



FEATURES

- Specially design for mini size parts machining.
- With space occupied small, but very rigidity and precision marking.
- High speed and precisely spindle unit with servo motor driven.
- X,Y,Z linear guideway, servo driven
- Supplied with cloak type ATC (10pcs) and concentrated all of functions as vertical machine



**High
Technology**



**Excellent
Performance**



**High
Efficiency**





COAK ATC 10PCS



SIMPLE TOOL MAGAZINE (4PCS)



STANDARD ACCESSORIES

- Auto lubricating system
- Coolant system
- Working lamp
- Tool-released and clamped pneumatically
- Siemens 808D system
- Machine stand made of iron casting

OPTIONAL ACCESSORIES

- FANUC, GSK
- Heightened column (Z trave:50-5500mm)
- 900x240mm worktable
- 160mm Parallel vise 160mm
- Tool holder

SPECIFICATION

Model		XK7124L/VMC24L	VMC25L	VMC530L	VMC420L
WORKTABLE	Size of worktable (L x W) (mm)	810 x 240	100 x 250	810 x 320	260 x 800
	Max loading weight on worktable (kg)	100	120	350	150
	T slot (width x qty x spaces) (mm)	16 x 3 x 60	16 x 3 x 60	14 x 3 x 100	16 x 3 x 63
TRAVEL	X/Y/Z-Axis travel (mm)	380/240/370 (470 Optional)	535/ 320/ 375	550/330/450	410/260/410
SPINDLE	Distance between spindle nose and table (mm)	60-430	50-425	100-585	90-500
	Distance between spindle center and column (mm)	309	345	370	315
	Spindle speed (r/min)	100-6000	4000 (6000/8000)	60-8000	60-8000
	Spindle taper	BT30	BT30	BT30	BT30
	Tool clamping way	Pneumatically	Pneumatically	Pneumatically	Pneumatically
	ATC capacity (optional)	10	10	10	10
FEEDING	Feeding speed (mm/min)	0-2000	0-2000	1-10000	1-10000
	Rapid feeding speed: X,Y,Z axis (m/min)	15	15	15	15
ACCURACY	Positioning accuracy (mm)	0.025	±0.008	±0.008	±0.008
	Repeatability accuracy (mm)	0.016	±0.005	±0.008	±0.008
MOTOR	Main motor power (kw)	2.2/3.7	1.5.2/2.2	5.5/7.5	3.7/5.5
	Feeding motor power X/Y/Z Axis (kw)	1.5/1.5/1.5	1/1/1	1/1/1	1/1/1
	Max. size of tool (mm)	Φ60 x 175	Φ60 x 175	Φ80 x 250	Φ60 x 175
TOOLS	Max. loading weight of Tool (kg)	3.5	3.5	7	3.5
	N.W (include machine stand) (kg)	1000/1280	1700	3500	2000
OTHERS	Overall size (L x W x H) (mm)	1770 x 1650 x 1300	1516 x 1764 x 1708	2000 x 1750 x 2100	1800 x 1650 x 2000
	Packing size (L x W x H) (mm)	1900 x 1620 x 2480(2580)	2250 x 1910 x 2280	2100 x 1850 x 2100	1900 x 1750 x 2000
	Loading amount (20")	6 Sets /40"GP	6 Sets /40"GP	6 Sets /40"GP	6 Sets /40"GP

Description and specification given in this catalogue are subject to modification without notice

CJK SERIES



FEATURES

- The machine can process precisely internal or external diameter, face, taper, arc and threading with high efficiency.
- Standard toolpost is 4-stations, also 6-stations toolpost can be optional selection
- Spindle speed changed by frequency.
- Induction hardened-way. Bed saddle with plastic sticker can improve the accuracy and service life of the machine.
- The spindle is supported by imported precision bearings.
- Normally machine is provided with 3-jaw chuck.
- According to customer's optional selection, hydraulic chuck or pneumatic chuck also can be supplied.



High Technology



Excellent Performance



High Performance



PNEUMATIC CHUCK



#20 COLLET



SIX STATION TOOLPOST

STANDARD ACCESSORIES

- 3-jaw chuck and tool post
- wrench
- Allen wrench
- Electrical tool post (4 station)
- Cooling system
- Manual lubricating system
- Working lamp
- Siemens CNC controller system

OPTIONAL ACCESSORIES

- 6-stations toolpost
- Pneumatic chuck
- Hydraulic chuck
- Bar auto-feeding device (only for model CK6136)
- Controller system GSK
- Auto-lubricating system
- Iron casting stand (for model CK6136)



BAR AUTO FEEDING

SPECIFICATION

Model	CJK6132
Distance between centers (mm)	500/750/1000
Swing over bed (mm)	φ320
Swing over carriage (mm)	φ130
Taper of spindle	M.T.5
Chuck size	φ160
Way of chuck locking	Manual
Spindle nose	D4
Spindle bore (mm)	φ38
Range of speed (variable) (r/min)	60-2500
Feed motor torque (X/Z) (N,M)	4/6
X rapid traverse (r/min)	5
Z rapid traverse (m/min)	5
Max. travel of X axis (mm)	160
Max. travel of Z axis (mm)	400/650/900
Motor power (kw)	3
Toolpost	4 Station
Max. tool size (mm)	16 x 16
Min input unit (mm)	0.001
Repeatability accuracy (X/Z) (mm)	0.016
Barrel travel of tailstock (mm)	150
Barrel taper of tailstock	M.T.3
Overall size (L x W x H) (mm)	1850 x 1100 x 1650 1900 x 1100 x 1650 2300 x 1100 x 1650
N.W/ G.W (kg)	800/900/1000

Description and specification given in this catalogue are subject to modification without notice

CK SERIES



SPECIFICATION

Model	Model	CK6130	CK6136	CK6136B	CK6140		
CAPACITY	Max. swing over bed (mm)	φ300	φ360	φ360	φ400		
	Max. swing over toolpost (mm)	φ110	φ150	φ180	φ220		
	Distance between centers (mm)		500, 750, 1000	765	750, 1000, 1500, 2000		
	Max. machining length (mm)	400	500, 750, 1000	380	750, 1000, 1500, 2000		
SPINDLE AND CHUCK	Chuck size (mm)	φ160	φ160	φ200	φ200		
	Spindle nose and taper style	A2-5	A2-5	D-6	C-6		
	Spindle speed range	60-3000	60-2500	60-2600	60-2600		
	Spindle bore dia. (mm)	φ48	φ51	φ57	φ55		
	Spindle power	3.0	3.0	5.5	5.5		
	Max. bar feeding dia. (mm)	φ38	φ45	φ46	φ48		
FEED	Rapid traverse speed(X/Z)	4/6	6/8	6/8	6/8		
TURRET	Stations No.	4	4, 6	4, 6	4, 6		
ACCURACY	X/Z Accuracy of positioning repeatability	0.01/0.012	0.01/0.012	0.01/0.012	0.01/0.012		
TAILSTOCK	Quill diameter(mm)		φ50	φ60	φ75		
	Quill travel(mm)		120	120	150		
	Taper of quill		M.T4	M.T4	M.T4		
OTHER	Guideway width(mm)	320	206	320	340		
OVERALL SIZE AND WEIGHT	Overall size(L*W*H)(mm)	1900 x 1600 x 1700	500	1850 x 1100 x 1650	2100 x 1500 x 1600	750	2200 x 1550 x 1600
			750	1900 x 1100 x 1650		1000	2600 x 1550 x 1600
			1000	2300 x 1100 x 1650		1500	3100 x 1550 x 1600
	Net Weight	1600	500	1450	1700	750	1800
			750	1500		1000	2000
			1000	1600		1500	2250

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FEATURES

- Machine are made of high intensional cast iron with good aseismatic and high rigidity
- Spindle of heavy-cutting structure to achieve high rigidity and high precision
- With electrical turret, it can achieve high positioning, fast speed for toolchange and high performance
- With feeding motor and leadscrew for type of direct connection it can assure the machining precision and positioning accuracy
- Tailstock can be adopted by hydraulic driving to make sleeve travel bigger and easy operation.
- Complete closed cover can protect the iron scraps splashing out .



SIX STATION TOOLPOST

STANDARD ACCESSORIES

- Auto lubricating system
- Coolant system
- Working lamp
- Tool-released and clamped pneumatically
- Siemens 808D system
- Machine stand made of iron casting

OPTIONAL ACCESSORIES

- FANUC, GSK
- Heightened column (Z trave:50-5500mm)
- 900x240 mm worktable
- 160mm Parallel vise 160mm
- Tool holder



High Technology



Excellent Performance



High Performance

SPECIFICATION

Model	CK6140A	CK6150B		CK6163		CK6180	
Max. swing over bed (mm)	φ420	φ500		φ630		φ800	
Max. swing over toolpost (mm)	φ230	φ290		φ400		φ480	
Distance between centers (mm)	750	750, 1000, 1500, 2000		1000, 1500, 2000		1000, 1500	
Max. machining length (mm)	750	750, 1000, 1500, 2000		1000, 1500, 2000		1000, 1500	
Chuck size (mm)	φ200	φ250		φ320		φ380	
Spindle nose and taper style	A2-6	D8		C-11		C-11	
Spindle speed range	60-2800	44-265/265-1600		40-950		40-950	
Spindle bore dia. (mm)	φ70	φ82		φ100		φ100	
Spindle power	5.5	7.5		11		11/15	
Max. bar feeding dia. (mm)	φ65	φ78		φ96		φ96	
Rapid traverse speed(X/Z)	6/8	6/8		6/8		6/8	
Stations No.	4, 6	4, 6, 8		4, 6, 8		4, 6, 8	
X/Z Accuracy of positioning repeatability	0.01/0.012	0.01/0.012		0.01/0.012		0.01/0.012	
Quill diameter(mm)	φ52	φ75		φ95		φ95	
Quill travel(mm)	120	150		250		250	
Taper of quill	M.T4	M.T5		M.T5		M.T5	
Guideway width(mm)	340	390		390		390	
Overall size(L*W*H) (mm)	2400 x 1500 x 1600	750	2300 x 1600 x 1800	1000	3400 x 1600 x 1900	1000	3800 x 1700 x 1950
		1000	2700 x 1600 x 1800	1500	3900 x 1600 x 1900	1500	4200 x 1700 x 1950
		1500	3200 x 1600 x 1800	2000	4400 x 1600 x 1900	2000	4800 x 1700 x 1950
Net Weight (Kg)	2500	750	2300	1000	4000	1000	3900
		1000	2400	1500	4200	1500	4200
		1500	2600	2000	4500	2000	4600

Description and specification given in this catalogue are subject to modification without notice

TYPE

PX-1390/9060N

New Design

CO2 Laser Cutting Machine



HIGH PRECISION 3 PHASE STEPPER MOTOR



CONTROL DISPLAY PANEL



ORIGINAL GUIDE RAIL AND SLIDER



APPLICABLE MATERIALS

Applied to cloth, leather, toys, computer embroidery cuttin, mould, crafts, bamboo and wood.

TECHNICAL ADVANTAGE

- LCD touch screen shows processing path, high quality make-up and magnificent appearance.
- Adopt with original guide rail and slider for high speed and precision.
- Transparent fireproof glass makes machine safety and beautiful.
- High power exhaust fan removes smoke and dust.
- Suitable for most non-metal materials, multipurpose machine.

PARAMETER

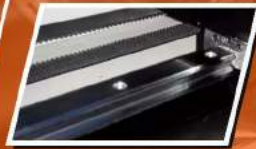
Model	PX1390/9060N
Laser Power	60W/80W/100W/150W/180W
Laser Type	CO ² 10.6μm
Working Size	1300mm x 900mm/900mm x 600mm
Cooling Type	Water-cooling
Engraving Speed	0-70000 mm/min
Cutting Speed	0-40000 mm/min
Laser Output Control	1-100% Software setting
Min Shaping Character	Chs 2.0mm x 2.0mm En 1.0mm x 1.0mm
Resolution	≤4500 dpi
Resetting Position Accuracy	<±0.01 mm
Graphic Format Supported	PLT, AI, BMP, DST, DXF
Software Supported	COREL DRAW, PHOTOSHOP, AUTOCAD (TAJIMA)
Color Separation	Yes
Voltage	AC220/50HZ



HIGH PRECISION 3 PHASE STEPPER MOTOR



USING IMPORTED LENS AND MIRRORS



ORIGINAL GUIDE RAIL AND SLIDER

TYPE PX-1390E

New Design
CO2 Laser Cutting Machine



APPLICABLE MATERIALS

Applied to cloth, leather, toys, computer embroidery cuttin, mould, crafts, bamboo and wood.

TECHNICAL ADVANTAGE

- New design, reasonable structure, more ergonomic.
- Adopt with imported lens, small light decline, small laser beam, fast speed and high precision.
- Stable optical path design, save time of avoid frequent debugging.
- Optional dual platform, easy to switch and save time.

PARAMETER

Model	PX1390E
Laser Power	60W/80W/100W/150W/180W
Laser Type	CO ² 10.6μm
Working Size	1300mm x 900mm
Cooling Type	Water-cooling
Engraving Speed	0-70000 mm/min
Cutting Speed	0-40000 mm/min
Laser Output Control	1-100% Software setting
Min Shaping Character	Chs 2.0mm x 2.0mm En 1.0mm x 1.0mm
Resolution	≤4500dpi
Resetting Position Accuracy	<±0.01mm
Graphic Format Supported	PLT, A1, BMP, DST, DXF
Software Supported	COREL DRAW, PHOTOSHOP, AUTOCAD (TAJIMA)
Color Separation	Yes
Voltage	AC220/50HZ

TYPE

PX-1390/9060S

New Design

CO2 Laser Cutting Machine

APPLICABLE MATERIALS

Bamboo ware, marble, granite, tombstone, wood, acrylic, organic glass, crystal, fabric, paper, leather, rubber, ceramic, glass and other non-metal materials.



TECHNICAL ADVANTAGE

- New design, reasonable structure, more ergonomic.
- Adopt with imported lens, small light decline, small laser beam, fast speed and high precision.
- Transparent fireproof glass makes machine safety and beautiful.
- Designed with front and back door for long material feeding.
- Patented technology, three sides exhaust system completely removing smoke and dust.



HIGH QUALITY LASER HEADS



USING IMPORTED LENS AND MIRRORS



HIGH PRECISION STEPPER MOTOR

PARAMETER

Model	PX1390/9060S
Laser Power	60W/80W/100W
Laser Type	CO ² 10.6μm
Working Size	1300mm x 900mm/900mm x 600mm
Cooling Type	Water-cooling
Engraving Speed	0-70000mm/min
Cutting Speed	0-40000mm/min
Laser Output Control	1-100% Software setting
Min Shaping Character	Chs 2.0mm x 2.0mm En 1.0mm x 1.0mm
Resolution	≤4500 dpi
Resetting Position Accuracy	<±0.01 mm
Graphic Format Supported	PLT, A1, BMP, DST, DXF
Software Supported	COREL DRAW, PHOTOSHOP, AUTOCAD (TAJIMA)
Color Separation	Yes
Voltage	AC220/50HZ



TYPE

PX-1060/1390

New Design

CO2 Laser Cutting Machine

APPLICABLE MATERIALS

Marble, granite, ceramic tiles, wooden products, paper, plastic, rubber, acrylic, bamboo, double-color sheets, glass, wine bottles and other non-metal materials industries.

TECHNICAL ADVANTAGE

- Separable system, avoid the ordeal of moving heavy materials.
- Both parts can be moved and down so that engraving objects which vary much in thickness.
- High precision, fast speed, saving time and labor.
- Easy to operate, one computer can control multiple machines.
- Optional trolley, easy to use.



PRIMARY BRAND LASER TUBE



USING IMPORTED LENS AND MIRRORS



ORIGINAL GUIDE RAIL AND SLIDER BLOCK

PARAMETER

Model	PX1060S/1390S
Laser Power	60W/80W/100W
Laser Type	CO ² 10.6μm
Working Size	1000mm x 600mm / 1300mm x 900mm
Cooling Type	Water-cooling
Engraving Speed	0-70000 mm/min
Cutting Speed	0-40000 mm/min
Laser Output Control	Software setting
Min Shaping Character	Chs 2.0mm x 2.0mm En 1.0mm x 1.0mm
Max Scanning Precision	2500 dpi
Resetting Position Accuracy	<±0.01 mm
Graphic Format Supported	PLT, A1, BMP, DST, DXF
Software Supported	COREL DRAW, PHOTOSHOP, AUTOCAD (TAJIMA)
Color Separation	Yes
Voltage	AC220/50HZ, AC110/60Hz

TYPE

PX-1325/1530

New Design
CO2 Laser Cutting Machine



HIGH PRECISION 3 PHASE STEPPER MOTOR



CONTROL DISPLAY PANEL



ORIGINAL GUIDE RAIL AND SLIDER



APPLICABLE MATERIALS

Applied to cloth, leather, toys, computer embroidery cuttin, mould, crafts, bamboo and wood.

TECHNICAL ADVANTAGE

- High technology DSP control system ensures smooth cutting edge, and fluent workflow.
- Imported lens, high power, no need to replace parts constantly, cost reduction.
- Display with touch function, shows process path, high performance.
- Full-page cutting, low cost, Suitable for individualization and mass production.
- Easy to operate, one computer can control multiple machines.
- Optional CCD positioning cutting, UV printer best companion.

PARAMETER

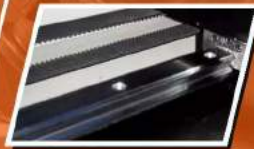
Model	PX1325/1530
Laser Power	80W/100W/150W/180W
Laser Type	CO ² 10.6μm
Working Size	1300mm x 2500mm/1500mm x 3000mm
Cooling Type	Water-cooling
Engraving Speed	0-70000 mm/min
Cutting Speed	0-40000 mm/min
Laser Output Control	1-100% Software setting
Min Shaping Character	Chs 2.0mm x 2.0mm En 1.0mm x 1.0mm
Max, Scanning Precision	2500dpi
Resetting Position Accuracy	<±0.01mm
Graphic Format Supported	PLT, A1, BMP, DST, DXF
Software Supported	COREL DRAW, PHOTOSHOP, AUTOCAD (TAJIMA)
Color Separation	Yes
Voltage	AC220/50HZ, AC110/60Hz



HIGH PRECISION 3 PHASE STEPPER MOTOR



AUTO CORRECTION FEEDING PLATFORM



ORIGINAL GUIDE RAIL AND SLIDER

TYPE

PX-1610/1810

New Design
CO2 Laser Cutting Machine



APPLICABLE MATERIALS

processing of automotive interior, luggage, footwear, plush toys, clothing, embroidery, handicrafts, outdoor products, and many other materials. It can cut a variety of flexible fabric, leather, foam and others saving labor cost and improving cutting quality and productivity.

TECHNICAL ADVANTAGE

- Versatile machine Suitable for cutting a variety of soft fabric
- Easy to operate, one computer can control multiple machines.
- Saves material: automatic typesetting can save over 10% of the material.
- Saves labor cost: one machine is equal to three cutting workers.
- Easy to maintain, anti-running mesh belt design easy to feed.

PARAMETER

Model	PX1610/1810
Laser Power	80W/100W/150W
Laser Type	CO ² 10.6μm
Working Size	1600mm x 1000mm/1800mm x 1000mm
Cooling Type	Water-cooling
Engraving Speed	0-30000 mm/min
Cutting Speed	0-50000 mm/min
Laser Output Control	1-100% Software setting
Min Shaping Character	Chs 2.0mm x 2.0mm En 1.0mm x 1.0mm
Max Scanning Precision	2500dpi
Resetting Position Accuracy	<±0.01mm
Graphic Format Supported	PLT, A1, BMP, DST, DXF
Software Supported	COREL DRAW, PHOTOSHOP, AUTOCAD (TAJIMA)
Color Separation	Yes
Voltage	AC220/50HZ

TYPE

PX-1830

New Design

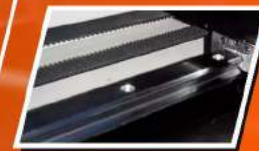
CO2 Laser Cutting Machine



HIGH PRECISION 3 PHASE STEPPER MOTOR



EQUIPPED SIX-ROLLER BRACKET



ORIGINAL GUIDE RAIL AND SLIDER



APPLICABLE INDUSTRY

Suitable for jeans fabric, leather, clothing, textile, etc

TECHNICAL ADVANTAGE

- Wide range of applications, suitable for cutting a variety of soft materials.
- Flexible and efficient for proofing production to exclude die-cut preparation.
- Patented technology ensures error-free processing of large format continuous cutting.
- Save time and labor, cutting and lockrand are completed in one pass, spinning is lint-free.
- Healthy and environmental protection: the automatic ventilation exhaust system improves working conditions.

PARAMETER

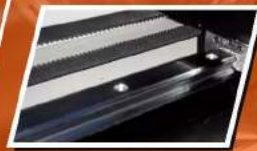
Model	PX1830
Laser Power	80W/100W/150W
Total Power	<1500W
Laser Type	CO ² 10.6μm
Working Size	1300mm x 900mm
Engraving Speed	0-50000 mm/min
Cutting Speed	0-30000 mm/min
Laser Output Control	1-100% Software setting
Max Scanning Precision	2500dpi
Operating Temperature	0°C-45°C
Resetting Position Accuracy	0.01mm
Graphic Format Supported	PLT, A1, BMP, DST, DXF
Software Supported	COREL DRAW, PHOTOSHOP, AUTOCAD (TAJIMA)
Color Separation	Yes
Voltage	AC220/50Hz, AC110/60Hz



HIGH PRECISION 3 PHASE STEPPER MOTOR



CONTROL DISPLAY PANEL



ORIGINAL GUIDE RAIL AND SLIDER

TYPE PX-1625

New Design
CO2 Laser Cutting Machine



APPLICABLE MATERIALS

Applied to cloth, leather, toys, computer embroidery cuttin, mould, crafts, bamboo and wood.

TECHNICAL ADVANTAGE

- Wide range of applications, suitable for cutting many kinds of materials.
- Modular customization and flexible application.
- CCD recognition technology, automatic perception for cutting contour.
- Intelligent feeding and cutting system.
- Intelligent safety protection device ensure operator safety and easy to operate.

PARAMETER

Model	PX1625
Working Size	1600 mm x 2500 mm
Cutting Speed	0-40000 mm/min
Speed	100 m/min
Resetting Position Accuracy	<0.1 mm
Graphic Format Supported	PLT, A1, DXF
Software Supported	COREL DRAW, PHOTOSHOP, AUTOCAD (TAJIMA)
Operating Temperature	0°C-45°C
Voltage	AC380 / 220, 50 / 60Hz

TYPE

PX-1530G

New Design

CO2 Laser Cutting Machine



FIBER LASER DEVICE (RAYCUS)



MOBILE GANTRY STRUCTURE BED



PROFESSIONAL LASER CUTTING HEAD

APPLICABLE MATERIALS

Fiber laser cutting machine is mainly used in the metal plate industry. It is capable of cutting various types of metal materials such as stainless metal, mild steel, carbon steel etc. The effect and speed depends on the material and the thickness of it.



TECHNICAL ADVANTAGE

- Integrated design, reduce redundancy and save space;
- Independent electronic control cabinet to avoid interference;
- Touch control design to make the hand understand the machine better;
- Affordable price, industrial machine quality.

PARAMETER

Model	PX1530G
Processing Area	3000 mm × 1500 mm
Laser Power	1000W/2000W/3000W
X-axis Track	1550 mm
Y-axis Track	3050 mm
Z-axis Track	120 mm
X,Y Axis Positioning Accuracy	±0.03 mm/m
X,Y Axis Repeat Positioning Accuracy	±0.02 mm/m
X, Y Axis Max Speed	80 m/min
X, Y Axis Max Acceleration	1G
Max. load Of Worktable	900 Kg
Voltage	380V/50HZ
Dimension	4700 mm × 42200 mm × 1600 mm



THE GALVANOMETER



RADIO FREQUENCY LASER



SECURITY SOCKET

TYPE

PX-20/30/50FL

New Design

CO2 Laser Cutting Machine



APPLICABLE MATERIALS

Widely used for marking industrial bearings, automotive parts, electronics and communication products, aerospace components, medical equipment, clocks and watches, household appliances, hardware tools, etc.

TECHNICAL ADVANTAGE

- Small size, portable and easy to carry.
- Stable output, high reliability, 100,000 hours long lifetime span.
- High efficiency, low energy consumption, 0.5kW/h cost.
- Little pollution, environment friendly, little maintenance.

PARAMETER

Model	PX20FL/30FL/50L
Laser Wavelength	1064 nm
Laser Power	20W / 30W
Repeatable Frequency	20 Hz-200 kHz
Max Scanning Speed	8000 mm/s
Repeated Positioning	0.001 mm
Min Letter	0.2 mm
Min Width	0.01 mm
Standard Marking Area	200 mm x 200 mm / 300 mm x 300 mm
Cooling Type	Air cooling
Working Conditions	temperature : 0°C-35°C, humidity : 0-90%
Voltage	AC220/50Hz, AC110/60Hz

TYPE

PX-20/30RF

New Design

CO2 Laser Cutting Machine



THE GALVANOMETER



RADIO FREQUENCY LASER



SECURITY SOCKET

APPLICABLE MATERIALS

Widely used for marking industrial bearings, automotive parts, electronics and communication products, aerospace components, medical equipment, clocks and watches, household appliances, hardware tools, etc.



TECHNICAL ADVANTAGE

- Laser tube is rechargeable for repeated usage, it has long lifespan.
- With fine dot, high precision and small thermal diffusion area.
- Fully enclosed metal RF tube, higher stability
- Easy to operate, low maintenance cost.
- Wide range of applications for a variety of materials and products.

PARAMETER

Model	PX30RF/50RF
Laser Power	30W/50W
Laser Type	CO2 10.6μm
Cooling Type	Air cooling
Beam Quality	m2 < 6
Marking Area	110 mm x 110 mm
Optional Marking Area	200 mm x 200 mm / 300 mm x 300mm
Marking Depth	≤0.3mm / ≤0.4mm
Marking Speed	≤7000 mm/s
Min Width	0.2 mm
Min Letter	1 mm
Resetting Position Accuracy	±0.002 mm
Toal Power	≤2.5kW / ≤2.8kW
Voltage	AC220/50Hz, AC110/60Hz

ET SERIES TYPE - PXT-12035ET

Three Chucks Fiber Laser Tube Cutting Machine



PARAMETER

Machine Model	PXT-12035ET
Maximum cutting length	≤12000 mm (472.44")
Maximum weight for each tube	500kg (1102lb)
Cutting diameter	15~350mm (0.59"-13.78")
Rotary speed	80 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	0 mm
Maximum running speed	60 m/min (197'/min)
Power supply	380V/50Hz

Used for round, square, rectangular, oval and waist round tubing of common carbon steel, stainless steel and other materials, cutting workpiece external circle size $\Phi 15$ - $\Phi 350$ mm, the maximum length of raw material is 12000mm, and the down length 0~9000mm.

SAMPLE DISPLAY



ET SERIES TYPE - PXT-9035ETN

Automatic Three Chucks Fiber Laser Tube Cutting Machine

*Automatic Loading 9 meters

*Automatic Unloading 9 meters



PARAMETER

Machine Model	PXT-9035ETN
Maximum cutting length	≤9000 mm (354.3")
Maximum weight for each tube	250kg (551lb)
Cutting diameter	15~350mm (0.59"-13.78")
Rotary speed	80 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	0 mm
Maximum running speed	60 m/min (197'/min)
Power supply	380V/50Hz

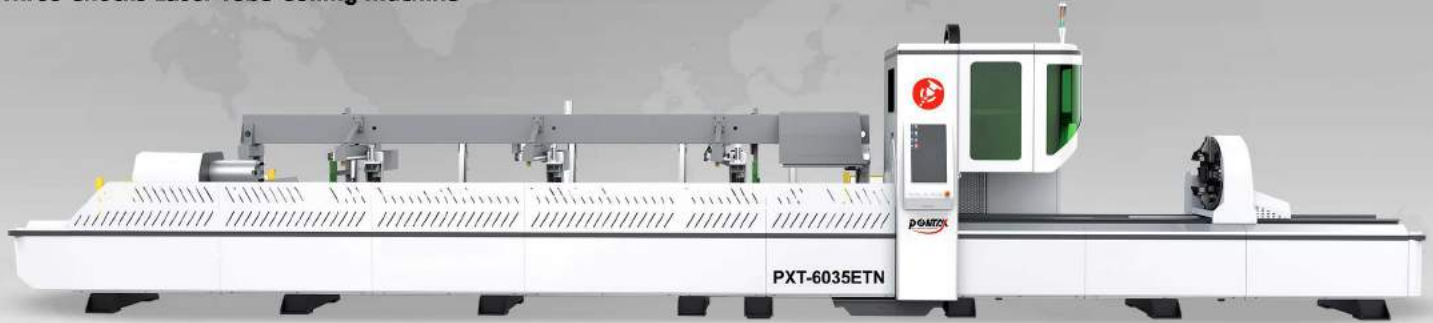
The "strength" in the processing of metal profiles, according to the actual application of the customer specially customized a three-chuck laser pipe cutting machine. Can achieve the maximum diameter of 350mm pipe processing cutting, super processing capacity so that the standardization is not unchanging.

SAMPLE DISPLAY



ET SERIES TYPE-PXT-6035ETN

Three Chucks Laser Tube Cutting Machine



PARAMETER

Machine Model	PXT-6035ETN
Maximum cutting length	≤6000 mm (236.22")
Maximum weight for each tube	250kg (551lb)
Cutting diameter	15~350mm (0.59"-13.78")
Rotary speed	120 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	0 mm
Maximum running speed	75 m/min (246'/min)
Power supply	380V/50Hz

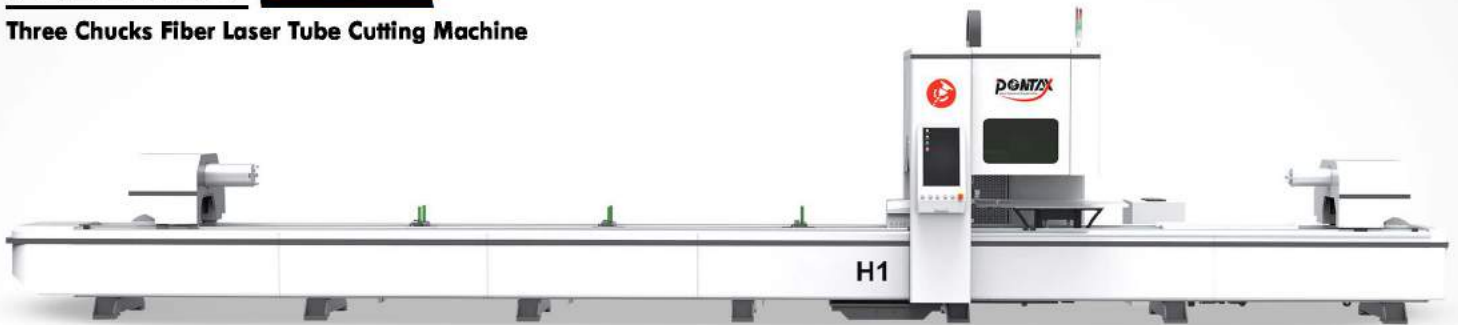
The self-developed full-stroke pneumatic chuck can complete intelligent cutting without manual adjustment. The bus control system is equipped with the functions of integrated control and three-chuck pulling cutting, which makes the cutting speed faster and more stable.

SAMPLE DISPLAY



H SERIES TYPE-H1

Three Chucks Fiber Laser Tube Cutting Machine



PARAMETER

Machine Model	H1
Maximum cutting length	≤6000 mm (236.22")
Maximum weight for each tube	250kg (551lb)
Cutting diameter	15~160mm (0.59"-6.3")
Rotary speed	100 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	0 mm
Maximum running speed	75 m/min (246'/min)
Power supply	380V/50Hz

Minimalist design and redefinition based on the original three-chuck laser pipe cutting machine. A machine developed for small diameter pipe 15~160mm, making the processing more refined and standardized.

SAMPLE DISPLAY



H SERIES TYPE-H2

Semi Automatic Three Chucks Fiber Laser Tube Cutting Machine

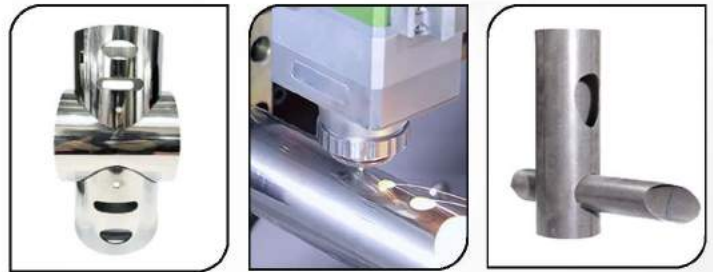


PARAMETER

Machine Model	H2
Maximum cutting length	≤6000 mm (236.22")
Maximum weight for each tube	250 kg (551lb)
Cutting diameter	15~160 mm (0.59"-6.3")
Rotary speed	100 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	0 mm
Maximum running speed	75 m/min (246'/min)
Power supply	380V/50Hz

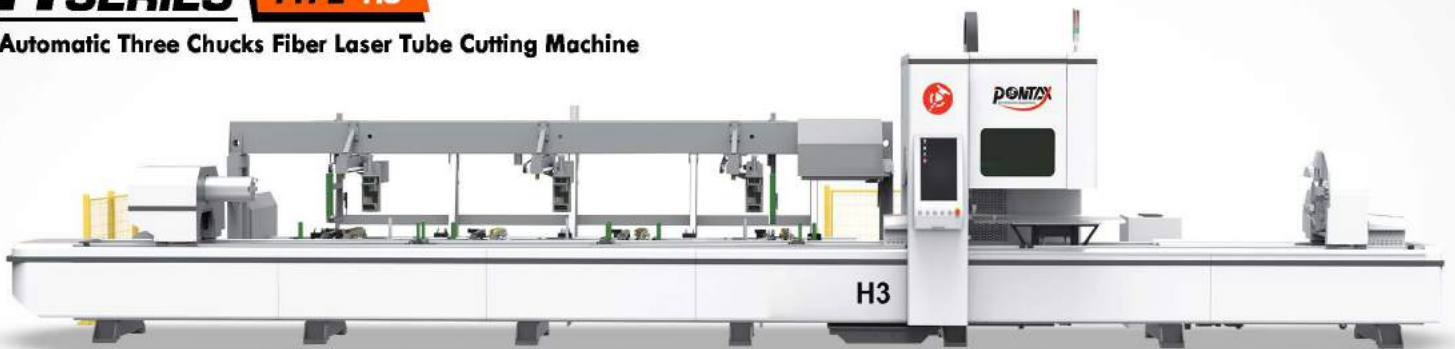
Minimalist design and redefinition based on the original three-chuck laser pipe cutting machine. A machine developed for small diameter pipe 15~160mm, making the processing more refined and standardized.

SAMPLE DISPLAY



H SERIES TYPE-H3

Automatic Three Chucks Fiber Laser Tube Cutting Machine



PARAMETER

Machine Model	H3
Maximum cutting length	≤6000 mm (236.22")
Maximum weight for each tube	250 kg (551lb)
Cutting diameter	15~160 mm (0.59"-6.3")
Rotary speed	100 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	0 mm
Maximum running speed	75 m/min (246'/min)
Power supply	380V/50Hz

Minimalist design and redefinition based on the original three-chuck laser pipe cutting machine. A machine developed for small diameter pipe 15~160mm, making the processing more refined and standardized.

SAMPLE DISPLAY



M SERIES TYPE-M3

Fully Automatic Fiber Laser Tube Cutting Machine

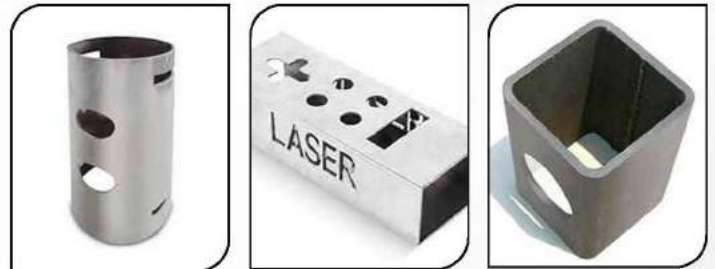


PARAMETER

Machine Model	M3
Maximum cutting length	≤6000 mm (236.22")
Maximum weight for each tube	250 kg (551lb)
Cutting diameter	15~230 mm (0.59"-9.05")
Rotary speed	150 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	100 mm (3.94")
Maximum running speed	100 m/min (328'/min)
Power supply	380V/50Hz

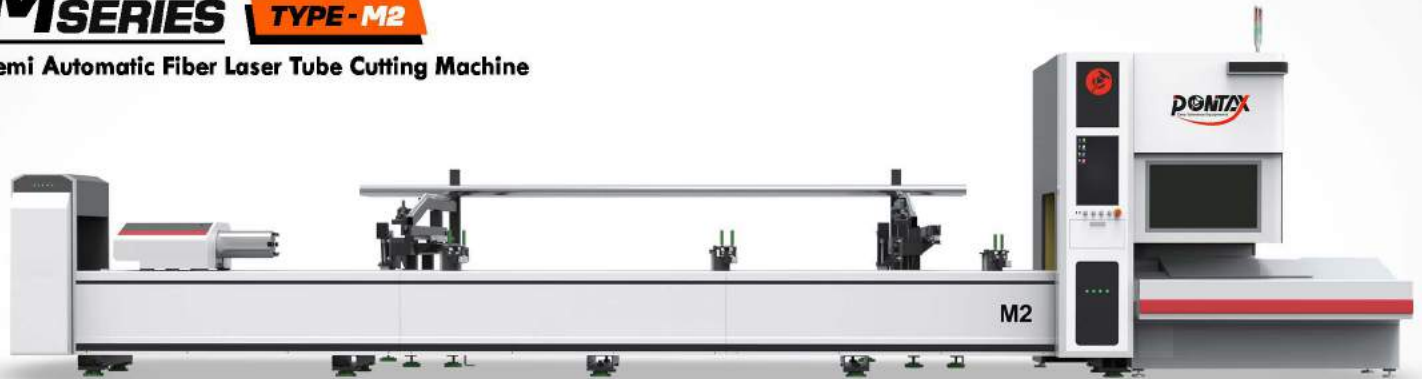
M-series laser pipe cutting machine can easily cut various pipe processing problems. It can cut round pipes, square pipes, rectangular pipes, angle steel, channel steel, H-shaped steel and other profiles.

SAMPLE DISPLAY



M SERIES TYPE-M2

Semi Automatic Fiber Laser Tube Cutting Machine

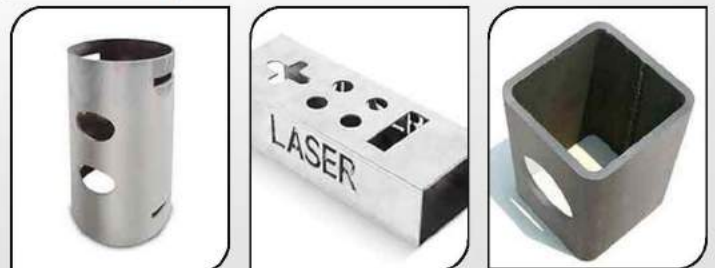


PARAMETER

Machine Model	M2
Maximum cutting length	≤6000 mm (236.22")
Maximum weight for each tube	250 kg (551lb)
Cutting diameter	15~230 mm (0.59"-9.05")
Rotary speed	150 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	100 mm (3.94")
Maximum running speed	100 m/min (328'/min)
Power supply	380V/50Hz

M-series laser pipe cutting machine can easily cut various pipe processing problems. It can cut round pipes, square pipes, rectangular pipes, angle steel, channel steel, H-shaped steel and other profiles.

SAMPLE DISPLAY



M SERIES TYPE-M1

Fiber Laser Tube Cutting Machine



PARAMETER

Machine Model	M1
Maximum cutting length	≤6000 mm (236.22")
Maximum weight for each tube	250 kg (551lb)
Cutting diameter	15~230 mm (0.59"-9.05")
Rotary speed	150 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	100 mm (3.94")
Maximum running speed	100 m/min (328'/min)
Power supply	380V/50Hz

A highly applicable machine designed and developed by Jinqiang Laser Independently, the bed adopts stacked welded one-piece bed with stable performance and high processing accuracy. The machine is equipped with full-stroke pneumatic chuck, mainly used for metal pipe cutting and undercutting, suitable for metal pipe cutting from 16 to 220m.

SAMPLE DISPLAY



MZ SERIES TYPE-MZ

High Speed Fiber Laser Tube Cutting Machine



PARAMETER

Machine Model	MZ
Maximum cutting length	≤6000 mm (236.22")
Maximum weight for each tube	120 kg (2651lb)
Cutting diameter	15~120 mm (0.59"-4.72")
Rotary speed	180 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	100 mm (3.94")
Maximum running speed	100 m/min (328'/min)
Power supply	380V/50Hz

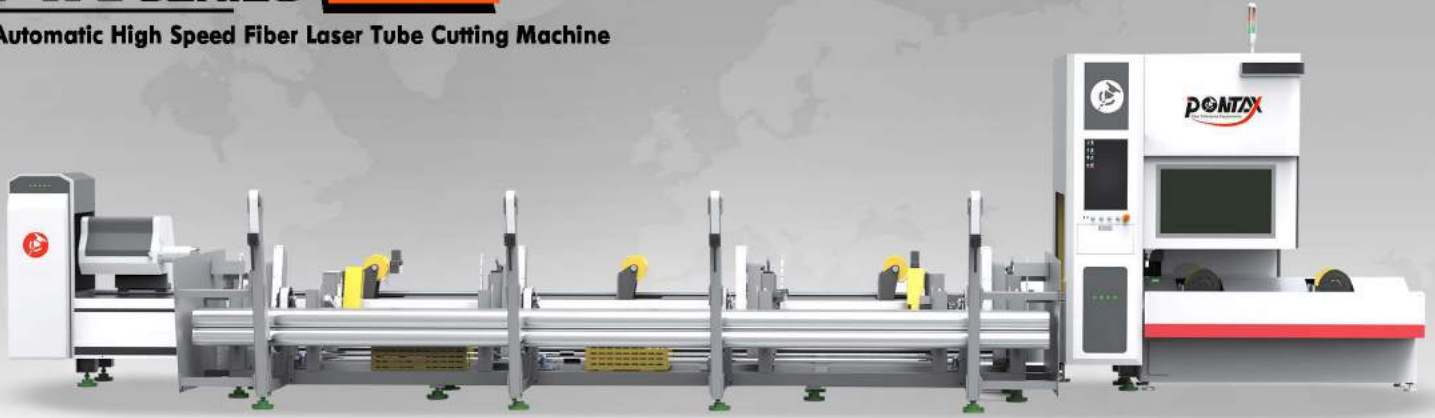
A cutting machine developed for the demand of cutting very small diameter pipes on the market. Mainly used for ordinary carbon steel pipe, stainless steel pipe, aluminum alloy pipe, copper pipe, cutting workpiece size round pipe Φ 15mm- Φ 120mm, square pipe side length ≤ 80mm.

SAMPLE DISPLAY



MN SERIES TYPE-MN

Automatic High Speed Fiber Laser Tube Cutting Machine

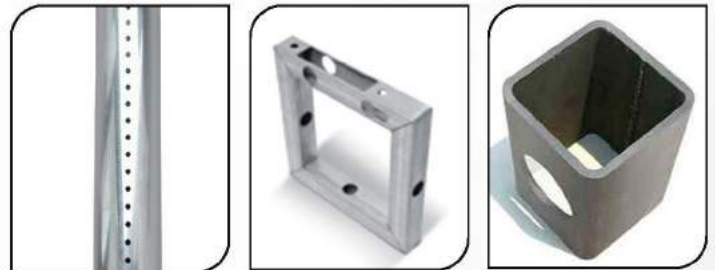


PARAMETER

Machine Model	MN
Maximum cutting length	≤6000 mm (236.22")
Maximum weight for each tube	120 kg (2651lb)
Cutting diameter	15~120 mm (0.59"-4.72")
Rotary speed	180 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	100 mm (3.94")
Maximum running speed	100 m/min (328'/min)
Power supply	380V/50Hz

MN laser pipe cutting machine is mainly used for cutting and processing round, square, rectangular, oval and waist round pipes of common carbon steel, stainless steel and other materials, with a wide range of applications.

SAMPLE DISPLAY



L SERIES TYPE-PXT-6016L/PXT-6016LN

Fiber Laser Tube Cutting Machine



PARAMETER

Machine Model	PXT-6016L/ PXT -6016LN
Maximum cutting length	≤6000 mm (236.22")
Maximum weight for each tube	150 kg (331lb)
Cutting diameter	15~160 mm (0.59"-6.3")
Rotary speed	100 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	≥90 mm (3.54")
Maximum running speed	60 m/min (197'/min)
Power supply	380V/50Hz

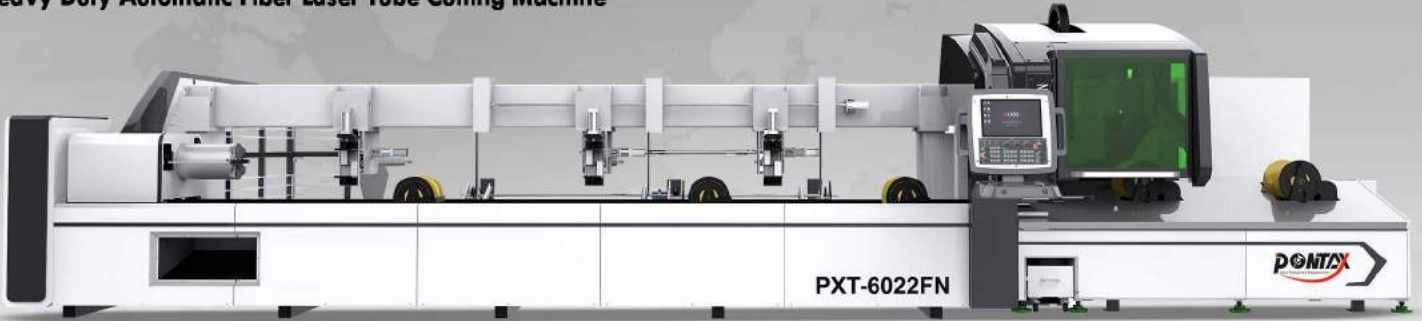
Economical and practical laser pipe cutting machine developed by Jinjiang Laser for batch pipe processing end-users, taking into account the market demand. This model is extremely cost effective, the longest 6m machine can cut 6.5m, suitable for pipe processing from 20-160mm in diameter, with excellent applicability, which is the ideal choice for the majority of pipe processing enterprises.

SAMPLE DISPLAY



F SERIES TYPE-PXT-6022FN

Heavy Duty Automatic Fiber Laser Tube Cutting Machine



PARAMETER

Machine Model	PXT-6022FN
Maximum cutting length	≤6000 mm (236.22")
Maximum weight for each tube	200kg (441lb)
Cutting diameter	15~220 mm (0.59"-8.66")
Rotary speed	120 rpm
X.Y.Z axis positioning accuracy	±0.05 mm/m
Minimum tailing	300 mm (11.81")
Maximum running speed	80 m/min (262'/min)
Power supply	380V/50Hz

high-end model independently developed and designed by Jinqlang Laser, with a machine length of 11.2 meters and a machine weight of 18 tons; equipped with a fully automatic loading frame to reduce manual intervention and shorten the production period, from the body to each accessory and cooperation with large manufacturers, the laser can be optional, quality assured and trustworthy.

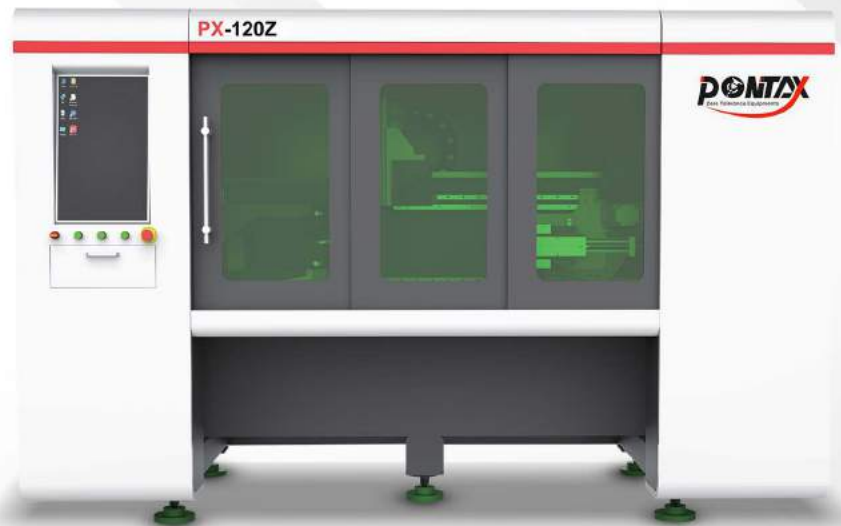
SAMPLE DISPLAY



ELBOW LASER CUTTER

TYPE-PX-120Z

SAMPLE DISPLAY



Machine Model	PX-120Z
Tube cutting	Diameter Φ 16mm - Φ 108mm (0.6" - Φ 4.3"), Distance from elbow section to center line ≤275mm (10.8") Length of the straight tubes ≤640mm (25.2")
Y axis positioning accuracy	0.05 mm/m
Acceleration	0.5G
Y axis max running speed	50 m/min (164'/min)
Rotary speed	100 rpm
Power supply	380V/50Hz

ULTRA HIGH POWER FIBER LASER METAL PLATE CUTTING MACHINE

TYPE - PX-25120HP

**Heavy Duty High Power
Fiber Plate Laser Cutting Machine**



TECHNICAL PARAMETERS

Machine Model	PX-25120HP
Working area	12000mm x 2500mm (472" *98.5")
X-axis travel	2550mm (100.40")
Y-axis travel	12050mm (474")
Z-axis travel	300mm (11.81")
X.Y axis positioning accuracy	±0.05 mm/m
Acceleration	2.5G
Maximum running speed	7000kg (15432 lb)
Laser power	12000W-30000W
Power Supply	380V / 50Hz

We launched fiber plate cutters with high power and larger working area to process thicker metal plates. It can process carbon steel plate, stainless steel plate, aluminum alloy plate, copper plate.

SAMPLE DISPLAY



AUTOMATION DEVICE



EXCHANGE PLATFORM

The loading time is shorten much more because of the exchangeable platform.



FULL PROTECTION

Enclosed outer envelope sheet metal design, the dust will be blocked outside to protect the health of the body.



CONTROL SYSTEM

Intensive control system, making more work space and time available.

ULTRA HIGH POWER FIBER LASER METAL PLATE CUTTING MACHINE

TYPE - PX-2580HP

**Exchange Platform Heavy duty
Fiber Plate Laser Cutting Machine**



TECHNICAL PARAMETERS

Machine Model	PX-2580HP
Working area	8050mm x 2550mm (317" *100.4")
X-axis travel	2550mm (100.4")
Y-axis travel	8050mm (317")
Z-axis travel	300mm (11.81")
X.Y axis positioning accuracy	±0.05 mm/m
Acceleration	2.5G
Maximum running speed	150m/min (492'/min)
Maximum table loading weight	4000kg (8818 lb)
Laser power	12000W-30000W
Power Supply	380V / 50Hz

PX-2580HP is a laser cutting machine developed for the actual needs of the sheet metal processing industry. The front and rear platforms are exchanged quickly and in parallel, which greatly reduces the time spent on loading and unloading and increases machining efficiency.

SAMPLE DISPLAY



AUTOMATION DEVICE



LASER HEAD

The German PRECITEC 10,000-watt high-power cutting head can achieve high-quality and faster long-term stable cutting, realize non-inductive perforation, high-speed leapfrogging, and high-gloss cutting, making production smarter and more efficient.



BED FRAME

Adopting gantry structure, the bed is welded as a whole, the whole machine runs smoothly and has good rigidity.



PLATE MOTOR

Panasonic high-inertia motor, good high-speed performance, strong anti-overload ability, high precision.



CONTROL SYSTEM

Three chucks mutual shift for fine cutting. Independently researched and developed full-stroke chuck to realize cutting and blanking of any length of pipe, using the entire pipe as much as possible to achieve "zero remains" cutting.

ULTRA HIGH POWER FIBER LASER METAL PLATE CUTTING MACHINE

TYPE - PX-2560HP

Exchange Platform Heavy Duty
Fiber Laser Plate Cutting Machine



TECHNICAL PARAMETERS

Machine Model	PX-2560HP
Working area	6000mm x 2500mm (236*98")
X-axis travel	2550mm (100.4")
Y-axis travel	6050mm (238")
Z-axis travel	300mm (11.81")
X,Y axis positioning accuracy	±0.05 mm/m (0,0019")
Acceleration	2.0 G
Maximum running speed	120m/min (394'/min)
Maximum table loading weight	3000kg (6613 lb)
Laser Power	8000W – 20000W
Power Supply	380V / 50Hz

We launched a fiber plate cutter with high power and larger work area to process thicker metal plate. It can process carbon steel plates, stainless steel plates, aluminum alloy plates, copper plates, and the biggest size is 2500mm*6000mm.

SAMPLE DISPLAY

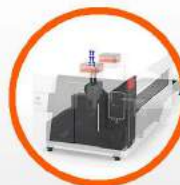


AUTOMATION DEVICE



WELDING BED

The bed of the main machine is welded by whole plate, annealed to eliminate internal stresses, rough machined and then vibrated and aged for finishing. This greatly improves the rigidity and stability of the machine and ensures the accuracy of the machine.



SMOKING SYSTEM

Three chucks mutual shift for fine cutting. Independently researched and developed full-stroke chuck to realize cutting and blanking of any length of pipe, using the entire pipe as much as possible to achieve "zero remains" cutting.



GANTRY

The gantry is made of high-strength aircraft aluminium and finely machined to ensure the rigidity and stability of the moving members of the laser head.



CONTROL SYSTEM

Three chucks mutual shift for fine cutting. Independently researched and developed full-stroke chuck to realize cutting and blanking of any length of pipe, using the entire pipe as much as possible to achieve "zero remains" cutting.

EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE



TYPE - PX-1530CP

**Exchange Platform Combined
Fiber Laser Cutting Machine**

TECHNICAL PARAMETERS

Machine Model	PX-1530CP
Working area	3000 mm x 1500 mm (118*59")
Tube cutting specifications	Φ20- φ 220, L=6000 (Φ 0.78-8.66", L=236")
X-axis travel	2550 mm (100.4")
Y-axis travel	6050 mm (238")
Z-axis travel	300 mm (11.81")
X,Y axis positioning accuracy	±0.05 mm/m (0,0019")
Acceleration	1G
Maximum running speed	100 m/min (328'/min)
Maximum table loading weight	900 kg (1984 lb)
Power Supply	380V / 50Hz

For metal processing industry, which can not only process tube and plate at same time, but also he's exchangeable work platform. This type is mainly for plate cutting and partly for tube cutting.

Its CNC system can realize more processing technologies like cutting, chamfering, punching and so on, to get lower production cost.

SAMPLE DISPLAY



AUTOMATION DEVICE



EXCHANGE PLATFORM

Through staggered layer exchange platform and switching motor controlled by frequency converter, The work bed can be exchanged within 15s.



AUXILIARIES

Smaller space be taken and high production efficiency. Two processing abilities for tube and plate can save more than 50% of space compare with two different machines.



HIGH PRECISION CHUCKS

The front and rear chucks are driven by servo motor respectively, which can realize synchronous rotation.



CONTROL SYSTEM

Based on windows operating platform, stable and reliable operation, containing 32-bit microprocessor; the system has the characteristics of fast interpolation operation, easy operation, good dynamic performance and strong load capacity.

EXCHANGE PLATFORM FIBER LASER CUTTING MACHINE

TYPE - PX-1530AP

**Exchange Platform
Fiber Laser Cutting Machine**

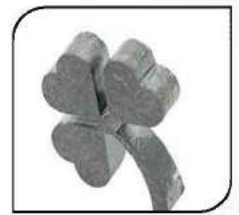


TECHNICAL PARAMETERS

Machine Model	PX-1530AP
Working area	3000mm x 1500mm (118*59")
X-axis travel	1550mm (61")
Y-axis travel	3050mm (120")
Z-axis travel	300mm (11.81")
X.Y axis positioning accuracy	±0.05 mm/m (0,0019")
Acceleration	1G
Maximum running speed	100m/min (328'/min)
Maximum table loading weight	900kg (1984 lb)
Power Supply	380V / 50Hz

For the actual demand of metal plate processing industry, which features exchange platform and enclosed covering. While its front platform in the laser cutting processing, the rear platform can be used for feeding and materials picking. Fast parallel exchange between front and rear platforms greatly reduces the time of loading and unloading

SAMPLE DISPLAY

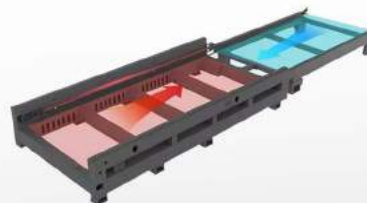


AUTOMATION DEVICE



LARGE FORMAT

Mainly Used ordinary carbon steel plate, stainless steel plate, aluminium alloy plate, copper plate, etc.



EXCHANGE PLATFORM

Dual exchange working platform enables simultaneous cutting and feeding High efficient and time saving.



CONTROL SYSTEM

Intensive control system, making more work space and time available.

SINGLE PLATFORM FIBER LASER CUTTING MACHINE

TYPE - PX-1530E

Single Platform Fiber Laser Cutting Machine



TECHNICAL PARAMETERS

Machine Model	PX-1530E
Working area	3000 mm x 1500 mm (118*59")
X-axis travel	1520 mm (60")
Y-axis travel	3020 mm (119")
Z-axis travel	120 mm (4.72")
X.Y axis positioning accuracy	±0.05 mm/m (0,0019")
Acceleration	1G
Maximum running speed	100 m/min (328'/min)
Maximum table loading weight	900 kg (1984 lb)
Power Supply	380V / 50Hz

For the actual demand of sheet metal processing industry a type of economical fiber laser cutting machine, which equipped with 1000w laser tool , Up to 15mm carbon steel can be cut.

SAMPLE DISPLAY



AUTOMATION DEVICE



WELDING BED

Is selected as the welding motherboard, to Ensure the stability and deformation of the bed.



STEEL CROSSBEAM

The bed is equipped with high quality linear guide rail, driven by servo motor.



ELECTRICAL CONTROL SYSTEM

The machine tool CNC system is configured with high performance CNC system, which is based on windows operating platform.

SINGLE PLATFORM FIBER LASER CUTTING MACHINE

TYPE - PX-1530C

Single Platform Sheet Metal and Tube
Combined Fiber Laser Cutting Machine



TECHNICAL PARAMETERS

Machine Model	PX-1530C
Working area	3000 mm x 1500 mm (118*59")
Tube cutting specifications	Φ20- φ 220, L=6000 (Φ 0.78-8.66", L=236")
X-axis travel	2350 mm (92.5")
Y-axis travel	3050 mm (120")
Z-axis travel	240 mm (9.45")
X.Y axis positioning accuracy	± 0.05 mm/m (0,0019")
Acceleration	1G
Maximum running speed	100 m/min (328'/min)
Maximum table loading weight	900 kg (1984 lb)
Power Supply	380V / 50Hz

For metal processing industry, a special type of multifunctional fiber laser cutting machine PX1530C, and obtained the national inventive patent of this machine. This type is mainly for plate cutting and partly for tube cutting.

SAMPLE DISPLAY



AUTOMATION DEVICE



SAVE 50% SPACE

Meeting two kinds of processing needs of tubes and plates, 1530c can saves more 50% of work space to increase the producing efficiency.



CUSTOMIZED ON DEMAND

Accepting customization of plate cutting area and size of work platform



FULL STROKE PNEUMATIC CHUCKS

chuck with high precision servo reduction system, excellent cutting effect.

LASER WELDING MACHINE



TYPE - PX-1000HWM

Handheld Laser Welding Machine



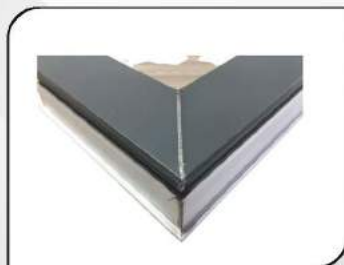
TYPE - PX-1000A

Handheld Laser Welding Machine

TECHNICAL PARAMETERS

Machine Model	PX-1000A / PX-1000HWM
Laser wavelength	1070 nm
Fiber core diameter	50 μ m
Fiber length	Standard 10 meters (393.7")
Laser working mode	CW/Modulated
Galvanometer width	0.5-6mm (0.02-0.2")
Galvo scan speed	\leq 8000 mm/s (0-4.7"/s)
Welding speed	0-120 mm/s (0-4.7"/s)
Welding material thickness	\leq 5 mm (0.02")
Welding gap requirements	\leq 2 mm (0.08")
Operating voltage	220/380V

SAMPLE DISPLAY



LASER CLEANING MACHINE

TYPE - PX-1000HC

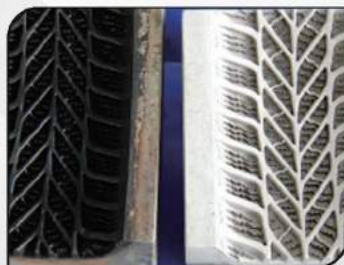
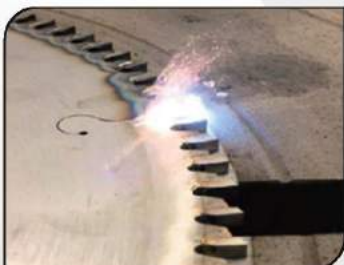
Handheld Laser Cleaning Machine



TECHNICAL PARAMETERS

Machine Model	PX-1000HC
Power output	100-1000W
Wavelength	1064 nm
Processing width	50-150mm (2-6")
Line width	<1mm (0.04")
Laser type	Optical fiber or DPL

SAMPLE DISPLAY



INDUSTRY APPLICATION



AUTOMOBILE MANUFACTURING



FURNITURE INDUSTRY



FITNESS EQUIPMENT



TUBE PROCESSING



BICYCLE MANUFACTURING



KITCHENWARE INDUSTRY



AEROSPACE



ELEVATOR MANUFACTURING



AGRICULTURAL EQUIPMENT

TYPE PXW1325

WOOD CNC ROUTER



TABLE ROTATION
AXIS



INDEPENDENT DOUBLE
HEAD



ONE LOAD SIX
HEADS



RIGHT ROTATION
AXIS



T TYPE LATHE
BED

Note : The machine can be customized according to the customer's size requirements; the above is only representative display.

APPLICABLE INDUSTRY

- Wooden doors and furniture decoration industry: solid wood and composite doors, cabinet doors, large area plate engraving, solid wood carving, panel furniture carving, antiqu mahogany furniture carving, solid wood art murals carving and other industries.
- Wood crafts processing: clock frame, process picture frame, calligraphy plate, electrical counter surface, sports equipment, thin aluminium plate carving.

PERFORMANCE

- Adopt imported linear square guide rail with ball slider of double row and four lines. moving stability, high precision and long lifetime ;
- Adopt Imported accuracy ball screw to ensure good accuracy cutting.
- Adopt good quality air cooling spindle with Japanese imported NSK bearing, big power and stable performance.
- DSP data line connected controlling panel with smart computing rule, perfectly matching the running motor to realize the high working speed and delicate curve and straight line processing.
- Good compatibility software, compatible with type3/Artcam/Castmate/ and other CAD/CAM design and production software.
- Adopt High-speed driving stepper motor and driver. with double driver and motor on Y-axis to ensure 25 meters/min or higher empty running speed. hereby, In order to get a higher working efficiency, you can choose bigger power working spindle on the machine.

TECHNICAL PARAMETERS

Model	PXW-132525	Optional
Working Area	1300*2500*200 mm	-
Guide Rail	-	-
Spindle Power Motor	4.5 kW Air Cooling Spindle	6Kw
Spindle Speed	18000 rpm/min	-
Table Structure	Vacuum adsorption table	Aluminium with PVC table
XYZ Table Structure	XY-Rack Pinion, Z-Ball Screw	-
MAX Travelling Speed	50000 mm/min	-
MAX Working Speed	20000 mm/min	-
Driving System	Servo	Stepping
Command	G Code	-
Working Voltage	AC220V - 50 HZ	AC380V - 50HZ
Operating System	Nestudio Control	DSP
Gross Weight	1800 Kg	-

SAMPLE DISPLAY



TYPE PXC1325

ATC CNC ROUTER



MINI ATC



MULTI PROCESS 3 HEAD
CNC ROUTER



WOOD DOOR
LOCK MACHINE



MULTI PROCESS 4 HEAD
CNC ROUTER

Note : The machine can be customized according to the customer's size requirements; the above is only representative display.

APPLICABLE INDUSTRY

- Wood products and furniture industry: audio/game cabinet, computer table, sewing machine table, musical instrument, wooden door, cabinet, board type, office, solid wood Furniture, tables, chairs, doors and Windows, etc.
- Decoration industry: engraving and cutting of acrylic, PVC, density board, artificial stone, plexiglass, plastic, copper, aluminum and other soft metal plates.

PERFORMANCE

- The ATC CNC router with high performance is suitable for different kinds of complex products processing, it can be used to carving, drilling, cutting, side milling, edge trimming, etc.
- Adopt famous brand mechanical parts and electrical components, such as the Germany vacuum system and transmission system, The Japanese servo motor driving system, and the Italy original imported spindle.
- Straight line Automatic knife changing system with 8 pieces tools magazine, tool changing only takes 8 seconds.
- Adopt Dual-track bilateral transmission table, that is the milling cutting machine type.
- Adopt Japanese servo driving system, high efficiency and stable performance.

TECHNICAL PARAMETERS

Model	PXC-1325	Optional
Working Area	1300*2500*200 mm	-
Guide Rail	-	-
Spindle Power	HQD 9KW air cooled automatic tool change spindle	HSD
Spindle Speed	24000 rpm/min	-
Table Structure	Vacuum adsorption table	Aluminium with PVC table
XYZ Table Structure	XY-Rack Pinion, Z-Ball Screw	-
MAX Travelling Speed	50000 mm/min	-
MAX Working Speed	30000 mm/min	-
Driving System	Servo	Import/Domestic
Command	G Code	-
Working Voltage	AC380V - 50 HZ	AC220V - 50HZ
Operating System	Nestudio Control System	DSP/Syntec/LNC
Gross Weight	2500 Kg	-

SAMPLE DISPLAY



TYPE PXF1530

4 AXIS CNC ROUTER



CNC ROUTE WITH
SPINDLE ROTARY



CNC ROUTER
PROCESSING CENTER



CHAIR CNC
ROUTER MACHINE

Note : The machine can be customized according to the customer's size requirements; the above is only representative display.

APPLICABLE INDUSTRY

- It can be widely used in making foam mold, cast iron mold, automobile wood mold, train wood mold, aviation wood model, ship wood mold, paraffin mold, etc.

PERFORMANCE

- Adopt square linear guide rail, with double row four line balls slider, large Bearing Gravity, running smoothly.
- Big power spindle is of long using life, stability running, high performance. with large torque to perfectly matched high working speed of the machine, to be ensure long-term Large-scale production to realize good working efficiency.
- Adopt NC studio CNC operating system, easy operation, friendly design. Adopt the unique smart computing rule perfectly matching the running motor to realize the high working speed and delicate curve and straight line processing.
- Adopt Japanese YASKAWA big power servo motor and driver system to ensure the machine working fast and strong.
- With dust cover on 3 axis to prevent dust and dirt, and ensure the machine working well in long life time.
- The Split type heavy structure machine body is welded seamlessly by thick wall square pipe, which is firm and durable and no deformation after Vibration Aging Treatment to ensure high stability running.

TECHNICAL PARAMETERS

Model	PXF-1530	Optional
Working Area	1500*3000*500 mm	-
Guide Rail	-	-
Spindle Power	HQD 9KW air cooled automatic tool change spindle	HSD 9KW Air cooling auto tools change spindle
Spindle Speed	24000 rpm/min	-
Table Structure	Vacuum adsorption table	Aluminium profile table
XYZ Table Structure	XY-Rack Pinion, Z-Ball Screw	-
MAX Travelling Speed	50000 mm/min	-
MAX Working Speed	30000 mm/min	-
Driving System	Servo	Import/Domestic
Command	G Code	-
Working Voltage	AC220V - 50 HZ	AC380V - 50HZ
Operating System	Dstudio	DSP/Syntec
Gross Weight	3000 Kg	-

SAMPLE DISPLAY



TYPE PX-2025-1-6

**2D & 3D CNC ENGRAVING
MACHINE**



STEREO MACHINE

Note :
The machine can be customized according to the customer's size requirements; the above is only representative display.

APPLICABLE INDUSTRY

- Three dimension plane integrated machine is mainly used for mass production of business, such as craft relief, art, antique furniture, classical furniture, mahogany furniture and wooden toys, etc.

PERFORMANCE

- Using aluminium profile plus rotary shaft table, can be planar engraving machine can also be three-dimensional engraving.
- Adopt gantry moving column structure, assembling all parts of the machine in extremely high precision to ensure machine of high performance, stability and excellent quality.
- Equipped with the advanced USB interface DSP off-computer operating system, no need occupy any computer resources to control the machine to realize the high working speed and delicate curve and straight line processing.
- Easy operating stable CNC controlling system can be mastered by the people without any professional knowledge.
- Well Compatible with CAD/CAM design software, including JINGDIAO type3 / Artcam / powermill / wentai etc.

TECHNICAL PARAMETERS

Model	PX-2025-1-6	Optional
Working Area	2000*2500*350 mm	-
Guide Rail	-	-
Spindle Power	2.2 KW Air – cooled spindle	-
Spindle Speed	18000 rpm/min	-
Table Structure	Aluminium profile table	-
XYZ Table Structure	XY-Rack Pinion, Z-Ball Screw	XYZ-Screw
MAX Travelling Speed	50000 mm/min	-
MAX Working Speed	20000 mm/min	-
Driving System	Servo	Stepping
Command	G Code	-
Working Voltage	AC380V - 50 HZ	AC220V - 50HZ
Operating System	Nestudio	DSP/Syntec 6MB 4axis control system
Gross Weight	2500 Kg	-

SAMPLE DISPLAY



TYPE PX1350

CABINET PRODUCTION LINE



SIDE HOLE MACHINE



SIX-SIDED DRILL



BANDING MACHINE



FOUR PROCESSING

Note : The machine can be customized according to the customer's size requirements; the above is only representative display.

APPLICABLE INDUSTRY

- Cabinet, Wardrobe, Bank office furniture, Computer table, Children's furniture, Board furniture, Office furniture.
- Openwork lattice for decoration, soft wall background, panel furniture cutting, slotted hole.

PERFORMANCE

- Set nesting cutting, punching, slotting and automatic loading and unloading in one machine. With double working table alternately processed to maximize the efficiency output.
- With 5+4 9 hole vertical row drill bag is much more suitable for plate type furniture punching, conveniently and faster.
- Adopt square tube bracket structure with Engineering Aesthetics Exterior Design.
- Adopt Double-layer vacuum adsorption table, which can be used to adsorb different sizes plates.
- Adopt plate materials automatic positioning system with four-direction and six steps action to ensure precise plate positioning. In additional, The machine is configured with auxiliary feeding device and dust collection device.

TECHNICAL PARAMETERS

Model	PX-1350	Optional
Working Area	1300*5000*200 mm	-
Guide Rail	-	-
Spindle Power Motor	6 KW Air-cooling spindle*2	-
Row Drill	5+4 nine hole vertical row drill bag	-
Table Structure	PVC double layer vacuum adsorption table	-
XYZ Table Structure	XY-Rack Pinion, Z-Ball Screw	-
MAX Travelling Speed	60000 mm/min	-
MAX Working Speed	30000 mm/min	-
Driving System	Servo	-
Command	G Code	-
Working Voltage	AC220V - 50HZ	AC380V - 50HZ
Operating System	-	Syntec
Gross Weight	3000 Kg	-

SAMPLE DISPLAY



TYPE PX1325

CABINET DOOR PRODUCTION LINE



THRESHOLD MACHINE



DISC ATC



PVC VACUUM
PRESS MACHINE



MACHINING CENTER



SANDING MACHINE

Note : The machine can be customized according to the customer's size requirements; the above is only representative display.

APPLICABLE INDUSTRY

- Cabinet, wardrobe, bank office furniture, computer desk, children furniture, panel furniture, office furniture, Hollow lattice, soft ag background wall for decoration, Plate type furniture cutting blanks and slotting holes.

PERFORMANCE

- This cabinet production line is higher cost performance intelligent CNC working center, which set integrates automatic positioning, optimizes material cutting, punching, slotting and engraving to one machine, maximize work efficiency.
- Adopt gantry moving column structure, assembling all parts of the machine in extremely high precision to ensure machine of high performance, stability and excellent quality.
- This model is the top equipment in the field. It is equipped with 9kw Air-cooling independent automatic tool change spindle that can be set 8/10/12 tool magazine to meet any non-metal materials processing. In addition, it can be equipped with a set of separately running drilling bag that can drill any different size hole on non-metallic material at one time.
- Adopts the side-hanging type mechanical structure, running more stable. With completely dust-proof structure on all rack and guide rail.
- Automatic lubing system, all three shafts are dust-proof and water-proof, which is more convenient for maintenance.
- The machine is equipped with professional CNC controlling system, stable performance and easy operation, Which can be well mastered by the people without professional knowledge.

TECHNICAL PARAMETERS

Model	PX-1325	Optional
Working Area	1300*5000*200 mm	-
Guide Rail	-	-
Spindle Power Motor	9 KW Air-cooling spindle*2	-
Spindle Speed	18000 rpm/min	-
Table Structure	Double layer vacuum adsorption table	Aluminium T slot table
XYZ Table Structure	XY-Rack Pinion, Z-Ball Screw	-
MAX Travelling Speed	50000 mm/min	-
MAX Working Speed	30000 mm/min	-
Driving System	Servo	-
Command	G Code	-
Working Voltage	AC380V - 50HZ	-
Operating System	-	-
Gross Weight	3000 Kg	-

SAMPLE DISPLAY



TYPE PXS3015

STONE CNC ROUTER



STEREO
MACHINE



STEREO
MACHINE



3 DIMENSIONAL
STONE MACHINE



BRIDGE CUTTING
MACHINE

Note : The machine can be customized according to the customer's size requirements; the above is only representative display.

APPLICABLE INDUSTRY

- Carving and cutting of marble, granite, lapis lazuli sandstone, glass, artificial stone, tombstone, stele, tile and other materials.

PERFORMANCE

- The machine weighs 3 tons, without side hanging plate, low vibration, which can be effective avoidance the engraving shading.
- Wash free working table design to solves the cleaning of residue and silt accumulation in the stone carving.
- With high processing efficiency and unique design concept, the machine is more stable and durable, that effectively reduces the vibration of the spindle, cutter breaking and dislocation during stone machine speedy working.
- Unique filter water tank and water circulation system can effectively extend the service life of the water tank.
- Automatic tubing system, all three shafts are dust-proof and water-proof, which is more convenient for maintenance.
- With Mechanical spindle ensure that the torque output of the machine electric spindle remains unchanged when running at high speed, and the spindle is resistant to wear and high temperature.

TECHNICAL PARAMETERS

Model	PXS-3015	Optional
Working Area	3000*1500*500 mm	-
Guide Rail	-	-
Spindle Power Motor	5.5 KW Machine Spindle	7.5 KW
Spindle Speed	24000 rpm/min	-
Table Structure	Vacuum adsorption can be adsorbed or clamped	-
XYZ Table Structure	XY-Rack Pinion, Z-Ball Screw	-
MAX Travelling Speed	50000 mm/min	-
MAX Working Speed	20000 mm/min	-
Driving System	Servo	-
Command	G Code	-
Working Voltage	AC220V - 50HZ	AC380V - 50HZ
Operating System	-	-
Gross Weight	3000 Kg	-

SAMPLE DISPLAY



TYPE PX1220

5 AXIS ATC CNC ROUTER



SCM HITECO



DISC TOOL MAGAZINE



SCREW



TASKAWA SERVO MOTOR



TAIWAN SYNTEC

Note : The machine can be customized according to customers size requirements; please contact customer service for details.

APPLICABLE INDUSTRY

- Composite material industry: plastic parts, glass-plastic parts, rubber and plastic products, such as a variety of composite products, trimming and punching.
- Mold industry: GFRP wood mold, casting wood mold, resin products, clay model, various non-metal mold five-axis processing.
- Ceramic sanitary ware industry: gypsum mold five-axis processing, a variety of gypsum products five-axis processing.
- Furniture industry: solid wood furniture five-axis processing, all kinds of furniture tenon and tenon five-axis processing, staircase bend five-axis processing, all kinds of furniture five-axis processing.

PERFORMANCE

- Adopt the stable CNC system, powerful function, high processing precision and fast speed.
- With SYNTEC numerical control system, the machine is of high speed and high machining accuracy. The Germany original rotating arm
- ensure the good accuracy and strength.
- Five-axis linkage with RTCP function (true five-axis interpolation) is suitable for large three-dimensional surface machining modelling.
- Diversified controlling system can be used to control the working speed and the no-load speed.

TECHNICAL PARAMETERS

Model	PX-1220	Optional
Working Area	1200*2000*500 mm	-
Guide Rail	-	-
Spindle Power Motor	14 KW axis 360 degrees	-
Spindle Speed	24000 rpm/min	-
Table Structure	Aluminium profile table	Vacuum adsorption
XYZ Table Structure	XYZ-Screw	-
MAX Travelling Speed	60000 mm/min	-
MAX Working Speed	30000 mm/min	-
Driving System	Yakawa Servo, Japan	-
Command	G Code	-
Working Voltage	AC380V - 50HZ	AC220V - 50HZ
Operating System	-	-
Gross Weight	30000 Kg	-

SAMPLE DISPLAY



TYPE PXP1325

PLASMA CUTTING MACHINE



SQUARE PIPE PLASMA



CUTTING MACHINE



GANTRY MACHINE



WITH ROTARY DEVICE

Note : The machine can be customized according to customers size requirements; The above is only a representative display.

APPLICABLE INDUSTRY

- Shell processing of mechanical and electrical products, advertising signs, process mounting, iron garden, automobile manufacturing, shipping, electrical accessories and plate production blanking industries.

PERFORMANCE

- Adopts completely welded structure frame, which is firm, non-deformed and durable.
- Fast cutting speed, high precision, small cutting mouth, neat, no slag drop phenomenon, avoiding the second time Trimming and Machining.
- Applicable for steel, copper, iron, aluminium plate, galvanized sheet, titanium sheet, etc.
- With High configuration CNC system, automatic arc, stable performance, the success rate of arcing reached more than 9996.
- Support reading the standard G code path file generated by professional software, such as wentai, beihang haier, ARTCAM, Type3, etc.
- The controlling system adopts U disk import the processing files, which is easy to be operated.

TECHNICAL PARAMETERS

Model	PXP-1325	Optional
Working Area	1300*2500*150 mm	1500*3000*150 mm
Plasma Source	63A	100A/120A/160A/200A
Table Construction	Saw working table	Knife table
XYZ Table Structure	XY-Rack Pinion, Z-ballscrew	-
MAX Travelling Speed	40000 mm/min	-
MAX Working Speed	15000 mm/min	-
Drive	Stepper	Servo
Voltage	AC380V - 50HZ	-
Software	Fastcam	-
Operating System	Starfire control system	-
Weight	1800 Kg	-

SAMPLE DISPLAY



TYPE PXL1325

**LASER ENGRAVING &
CUTTING MACHINE**



LASER ENGRAVING/
CUTTING MACHINE



AUTOMATIC LOADING AND
UNLOADING CLOTH CUTTING MACHINE



VIBRATING KNIFE LASER
CUTTING MACHINE

Note : The machine can be customized according to the customer's size requirements; the above is only representative display.

APPLICABLE INDUSTRY

- Advertising: billboard, logo sign, 3D characters cutting acrylic cutting, LED/neon channel, literal-hole cut, lightbox mold. stamp, mould, seal, etc.
- Woodworking: MDF, wooden mould, wood planks, bamboo, density board
- Decoration: acrylic, organic glass. double color board, coconut shell, ox horn, ABS board, lamp shade, crafts, crystal, glass, ceramic, stone, metal coating, etc.
- Clothing. leather, cloth, tekstil, shoes fabric, etc.

PERFORMANCE

- Adopt high efficiency laser tube with more stable beam.
- Small heat-affected zone, not easy to metamorphose, cutting edge is smooth and beautiful, no need to do after-process.
- Advanced controlling system with professional motion control chip. Continuously high speed curve cutting and the shortest path selection function are well improved the working efficiency.
- With Red light positioning device indicating the location of laser head, which eliminate the trouble of manual positioning, save working time.

TECHNICAL PARAMETERS

Model	PXL-1325	Optional
Working Area	1300*2500 mm	-
Laser Power	100W	150W
Laser Type	CO2 sealed laser tube, water cooled	-
Engraving Speed	8000 mm/min	-
Cutting Speed	7000 mm/min	-
Main input	220V-50Hz	110V-60Hz
Min. Shaping Character	1.0*1.0 mm	-
Graphic Format Supported	BMP	PLT, DST, DXF, AL
Software	Corel Draw	Photoshop, AutoCAD, TAJIMA
Driving Motor	Stepping	Servo
Operating System	Windows XP Vista	-
Operating Environment	Temperature 0 degree-45 degree	-
Weight	1000 Kg	-

SAMPLE DISPLAY



TYPE PXF1530

FIBER LASER CUTTING MACHINE



FIBER LASER CUTTING MACHINE



METAL SHEET AND PIPE FIBER LASER CUTTING MACHINE



DOUBLE PROCESSING TABLE



ALL COVER LASER CUTTING MACHINE

Note : The machine can be customized according to customers size requirements; The above is only a representative display.

APPLICABLE INDUSTRY

- Precision cutting of stainless steel, carbon steel and other metal materials.
- Aerospace technology, rocket, aircraft, robot, elevator, steamship, automobile manufacturing and metal parts processing industries;
- Metal plates, advertisements, kitchen utensils, knives, hardware, etc.

PERFORMANCE

- High speed, high precision, high efficiency and low cost.
- Easy operating, fiber optical path, no need tediously adjustment on optical path.
- The machine is of compact structure and good sealing, which is a strong adaptability to environmental change.
- With the perfect automatic nesting system can save time, save the materials, the sheet utilization ratio up to 95%.

TECHNICAL PARAMETERS

Model	PXF-1530	Optional
Working Area	1500*3000 mm	2500*1300 mm
Laser Power	750W	1000W/1500W/2000W
Max. Cutting Thickness	0.1-10 mm	-
Laser Wavelength	1080 nm	-
Rated Power	10-100%	-
Laser Power Injection	2.0 KW	-
Water Chiller Power	1.8 KW	-
X, Y-Axis Location Accuracy	+0.03 mm	-
X,Y Axis repeat location accuracy	30 μm/min	-
X, Y-Axis Max. Cutting Speed	20 m/min	-
Min. Cutting Line Width	0.02 mm	-
Max. Cutting Speed	12 m/min	-
Voltage and Frequency	380V 50Hz/60Hz	220V 50Hz/60Hz

SAMPLE DISPLAY



TYPE PXM20F

FIBER LASER MARKING MACHINE



FLYING MAKING MACHINE



PORTABLE TYPE



CLOSED TYPE



HANDHELD PORTABLE TYPE



Note : The machine can be customized according to customers size requirements; The above is only a representative display.

APPLICABLE INDUSTRY

- Mobile phone keys, plastic translucent keys, electronic components, integrated circuits (IC), electrical appliances, communications products, sanitary ware, tools, accessories, knives, glasses and watches, jewelry, Auto parts, luggage buckles, cookers, stainless steel products and other industries.

PERFORMANCE

- Excellent optical mode, long service life, up to 100,000 HS
- The highest electro-optical conversion efficiency, up to 80%, and the total power is less than 600W.
- High precision, The machine is suitable for delicate processing of all metals and some non-metals.
- This fiber laser marking machine is of high electro-optical conversion rate, good quality laser beam. Air cooling model, small space occupy, low power and energy saving.
- The divergence angle is about one-fourth of the pump laser semiconductor, it is especially used for exactly and delicate marking, low working running cost and the electro-optical conversion efficiency can be up to 30%

TECHNICAL PARAMETERS

Model	PXM-20F	Optional
Laser Power	20 W	20W/30W/50W
Optical Laser Wavelength	1064 nm	-
Working Area	110 x 110 mm	100x100mm/150x150mm/200x200mm/300x300mm
Engraving Speed	≤ 7000 mm/s	-
Engraving Depth	0.05 ~ 0.5 mm (according to the material)	-
Min. Linewidth	0.01 mm	-
Min. Formed Text	0.1 mm	-
Cooling Way	Air cooling	-
Working Voltage	220V ± 10%/50Hz	-
Whole Machine Power	< 800 W	-
Pulse Repeat Frequency	20-60 KHZ	-
Max. Marking Speed	300 character/s, height of character 1mm	-
Net Weight	110 Kg	-

SAMPLE DISPLAY



TYPE PXM6060

MOLD ENGRAVING MACHINE



4040 MOLD CNC ROUTER



MINI ROUTER WITH SEMI-CLOSED



6060 MOLD CNC ROUTER



MINI ATC ROUTER



6090 ADVERTISING MACHINE

Note : The machine can be customized according to the customer's size requirements; the above is only representative display.

APPLICABLE INDUSTRY

- Mold industry: can carve a variety of mold, such as building model, aviation model, gilding film, shoe mold, embossing mold, food mold.
- Industrial processing: suitable for all kinds of materials and mechanical parts of the surface, milling processing, instrument panel, graphite processing. board engraving and so on.
- Crafts: embossed on various high hardness materials, air processing, such as jade, copper plate, pendant, watch dial, art lamps and lanterns.

PERFORMANCE

- Adopt aging treatment high-standard iron cast lathe bed, with gantry type structure, good rigidity.
- Adopt imported high-precision linear guide rail and high precision ball screw rods on three shafts to ensure high precision and efficiency working.
- The high precision speedy engraving and milling water cooling spindle is suitable for high speed and precision machining field.
- New structure with three item ball screw to be ensure long time service life and good precision.

TECHNICAL PARAMETERS

Model	PXM-6060	Optional
Working Area	600*600*150 mm	-
Guide Rail	-	-
Spindle Power Motor	2.2 KW	3 KW
Spindle Speed	24000 rpm/min	-
Table Structure	XYZ Screw	-
Max. Travelling Speed	30000 mm/min	-
Max. working Speed	10000 mm/min	-
Driving System	Servo	Stepping
Command	G Code	-
Working Voltage	AC220V – 50Hz	AC380V – 50Hz
Operating System	Nestudio control	DSP
Grain Weight	800 KG	-

SAMPLE DISPLAY



ZXK32A/AL

STANDARD ACCESSORIES

- CNC control system
- VS half machine encloser
- Coolant system
- Auto timing lubrication system
- Lamp
- Leveling screw and block
- Heat exchanger system for control cabinet
- Operation manual
- Tool box

Telescopic cover for guide ways

SPECIAL ACCESSORIES

- 4th axis rotating table
- Coolant system
- Portable air gun for chip blow-out
- Thread cutting feature



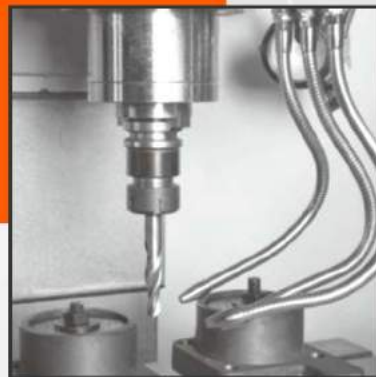
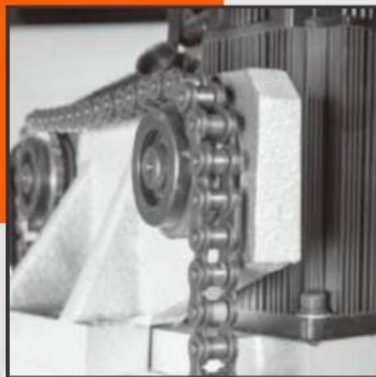
**High
Technology**



**Excellent
Performance**



**High
Accuracy**



TECHNICAL PARAMETERS

MODEL		ZXK-32A	ZXK-32AL
TRAVEL	X - Axis travel (mm)	400	400
	Y - Axis travel (mm)	260	260
	Z - Axis travel (mm)	500	500
	Distance between spindle and to table (mm)	120-620	120-620
	Distance between spindle center to column surface (mm)	320	320
TABLE	Table size (mm)	700 x 290	700 x 290
	T Slot (aide x number x space) (mm)	14 x 3 x 80	14 x 3 x 80
	Allowable load (kg)	250	250
SPINDLE	Motor of spindle (kW)	3.7	3.7
	Speed of spindle (r/min)	100/6000	100/6000
	Taper of spindle nose	BT30	BT30
	Spindle column (mm)	110	110
	Mode of drive	Synchronous belt	Synchronous belt
FEED	Motor of X, Y axis (kW)	1.2	1.2
	Motor of Z axis (kW)	1.2	1.2
	Rapid feed rate (m/min)	6	15
	Cutting feed rate (mm/min)	5-1500	5-1500
ACCURACY	Positioning accuracy (mm)	0.025	0.025
	Repeat ability (mm)	0.015	0.015
OTHER	Power requirement (kW)	7.5	7.5
	Overall size (mm)	1400 x 1500 x 2150	1400 x 1500 x 2150
	Packing size (mm)	1750 x 1550 x 2460	1750 x 1550 x 2460
	N.W/G.W (kg)	1880/2100	1880/2100
Type of screw		Ball Screw	
Type of guide way		Rectangular hardened guide ways	Line guide
Made of tool change		Pneumatic fast tool change	
Material of bed		High quality cast iron	
Type of lubrication		Central lubrication	
Type of cover		Semi-enclosed guard, Totality enclosed guard	
CNC control system		FANUC, MITSUBISHI, SIEMENSE, KND, HNC, GSK	

VMC420/L



STANDARD ACCESSORIES

- CNC control system HNC-210A
- VC full machine encloser
- Coolant system
- Auto timing lubrication system
- Lamp
- Leveling screw and block
- Telescopic cover for guile ways
- Heat exchanger system for control cabinet
- Automatic tool change
- Thread-cutting feature
- Operation manual
- Tool box

SPECIAL ACCESSORIES

- 4th, axis rotation table
- Squirt gun
- Portable air gun for chip blowout



**High
Technology**



**Excellent
Performance**



**High
Accuracy**

TECHNICAL PARAMETERS

MODEL		VMC420	VMC420L
MOVING	X - Axis travel (mm)	410	410
	Y - Axis travel (mm)	260	260
	Z - Axis travel (mm)	500	500
	Distance between spindle and to table (mm)	120-620	120-620
	Distance between spindle center to column surface (mm)	280	290
TABLE	Table size (mm)	700 x 290	700 x 290
	T Slot (aide x number x space) (mm)	14 x 3 x 80	14mm x 3 x 80cm
	Allowable load (kg)	250	250
SPINDLE	Motor of spindle (kW)	3.7	3.7
	Speed of spindle (r/min)	6000	100/6000
	Taper of spindle nose	BT30	BT30
FEED	Motor of X, Y axis (kW)	1.2	1.2
	Motor of Z axis (kW)	1.2	1.2
	Rapid feed rate (m/min)	6	15
	Cutting feed rate (mm/min)	5-1500	5-1500
ACCURACY	Positioning accuracy (mm)	0.010	0.005
	Repeat ability (mm)	0.006	0.003
ATC	Change type	Armless	Armless
	Tool magazine capacity	12	12
	Max. Tool (Diameter x Weight x Length)	Ø80 x 40 x 200	Ø80 x 40 x 200
	Change time (s)	6	6
OTHER	Power requirement (kW)	7.5	7.5
	Overall size (mm)	1660 x 1630 x 2260	1660 x 1630 x 2260
	Packing size (mm)	1930 x 1990 x 2460	1930 x 1990 x 2460
	N.W/ G.W (kg)	2185/2400	2185/2400
Type of screw		C3 Grade ball screw	
Motor connect mode		Direct	
Type of guide way		Rectangular hardened guide ways	Line guide
Material of bed		High quality cast iron	
Type of lubrication		Central lubrication	
Type of cover		Totally enclosed guard	
CNC control system		FANUC, MITSUBISHI, SIEMENSE, KND, HNC, GSK	



**ZK5140A /
ZK5150A**

**ZK5140B /
ZK5150B**



SPINDLE
ZX5140A/ZX5150A



STANDARD ACCESSORIES

- Suitable for machining medium and small size, discs, shell complex workpiece, moulds & dies etc. In batch production.
- Well constructed with special casting. Highly rigid structure. Quenched turcite guideways and automatic intermittent lubrication ensure high accuracy and stable feed without creep.
- The spindle is driven by AC motor, featuring high speed, high torque, wide constant power range minimum thermal increase and low noise.
- Heavy cutting, flood coolant, wide chip disposal grooves.
- Equipped with RENHE CNC system, and the GSK system or HNC system can provide on customer's order.

TECHNICAL PARAMETERS

MODEL		ZK5140A/ZK5150A	ZK5140B/ZK5150B
Max Drilling Capacity		40/50	50/50
MOVING	X - Axis travel (mm)	600	
	Y - Axis travel (mm)	300	
	Z - Axis travel (mm)	250	
	Distance between spindle and to table (mm)	120-740/80-700	175-795
	Distance spindle axis to column generating link (mm)	335	
TABLE	Table size (mm)	8500 x 450	
	T Slot (wide x number x space) (mm)	14 x 3 x 100	
	Allowable load (kg)	300	
SPINDLE	Motor of spindle (kW)	3/4	
	Speed of spindle (r/min)	31.5 - 1400	
	Taper of spindle nose	MT4/MT5	
FEED	Motor of X, Y axis (kW)	1.2/1.2	
	Motor of Z axis (kW)	2.5	
	Rapid feed rate (m/min)	8/8/2	
	Cutting feed rate (mm/min)	1.5	
ACCURACY	Positioning accuracy (mm)	X, Y: 0.03 Z:0.06	
	Repeat ability (mm)	X, Y: 0.03 Z:0.04	
OTHER	Power requirement (kW)	12/13	
	Packing size (cm)	185 x 172 x 250	
	N.W/ G.W (kg)	1900 / 2015	
Type of screw		C5 Grade ball screw	
Motor connect mode		XY	
Type of guide way		Rectangular hardened guide ways	
Material of bed		High quality cast iron	
Type of lubrication		Central lubrication	



ZK2515-3

CHARACTER

An electromechanical integration design ensures the compact structure and esthetic appearance.



High Technology



Excellent Performance



High Accuracy



ZK2515

CHARACTER

- The feed for spindle transmission uses the high accuracy brew, the localization is precise, the precision stability is good, especially using in the blind hole decides the dep precision high work piece.
- The feeding is realized by means of CNC system, capable of realizing a cycle comprising fast forward - fine forward - fast backward (chip removal), the efficiency prominently improved. In addition, an orders are designed specifically drilling operation, which simplifies the operation, which simplifies the operation and improves the effectiveness.

TECHNICAL PARAMETERS

MODEL		ZK2515	ZK2515-3
Max Drilling Capacity (mm)		25	25
MOVING	X - Axis travel (mm)	/	230
	Y - Axis travel (mm)	/	180
	Z - Axis travel (mm)	150	
	Distance between spindle and to table (mm)	130-680	90-640
	Distance spindle axis to column generating link (mm)	297.5	
TABLE	Table size (mm)	/	8500 x 450
	T Slot (wide x number x space) (mm)	18 x 2 x 200	14 x 3 x 80
	Allowable load (kg)	50	50
SPINDLE	Motor of spindle (kW)	2.2	
	Speed of spindle (r/min)	0-940, 0-144-, 0-2880	
	Taper of spindle	MT3	
FEED	Motor of X, Y axis (N.m)	/	7
	Motor of Z axis (N.m)	7	
	Rapid feed rate (m/min)	4	8/8/4
	Cutting feed rate (mm/min)	1.5	1.5
ACCURACY	Positioning accuracy (mm)	0.35	
	Repeat ability (mm)	0.02	
OTHER	Power requirement (kW)	3	5
	Overall size (m)	1.2 x 1.56 x 2.2	1.35 x 1.77 x 2.2
	Packing dimension (mm)	1310 x 1650 x 2350	1550 x 1970 x 2350
	N.W/ G.W (kg)	650 / 730	900 / 980
Type of screw	C5 Grade ball screw		
Type of cover	Semi-enclosed guard		



ZK4120X2



ZK4120C



CHARACTER

- An electromechanical integration design ensures the compact structure and esthetic appearance.
- The feeding is realized by means of CNC system, capable of realizing a cycle comprising fast forward - fine forward - fast backward (chip removal), the efficiency prominently improved.
- In addition, an orders are designed specifically for drilling operation, which simplifies the operation, which simplifies the operation and improves the effectiveness.



High Technology



Excellent Performance



High Accuracy

TECHNICAL PARAMETERS

MODEL	ZK4120X2	ZK4120C
Max. Drilling capacity (mm)	20	
X - Axis travel (mm)	/	
Y - Axis travel (mm)	/	
Z - Axis travel (mm)	115	
Distance between spindle and to table (mm)	750	630
Max. distance spindle nose to table (mm)	370	
Distance between spindle center to column surface (mm)	240	
Distance column (mm)	600	
Table size (mm)	1040 x 680	375 x 590
T slot (wide x number x space)	14 x2 x 200	14 x 2x 170
Allowable load (Kg)	150	100
Motor of spindle (Kw)	1.1	
Speed of spindle (r/min)	365, 560, 1000, 1800, 3150	
Taper of spindle nose	MT2	
Motor of X axis (Kw)	/	
Motor of Y axis (Kw)	/	
Motor of Z axis (Kw)	0.75	
Rapid feed rate (m/min)	4	
Cutting feed rate (m/min)	0.5	
Positioning accuracy (m/min)	0.06	
Repeat ability (mm)	0.04	
Power requirement (Kw)	3.6	1.8
Overall size (cm)	138 x 95 x 193	82 x 52 x 113
N.W (kg)	600	170



SK6532



EXCHANGE
GEAR



EXCELLENT
PERFORMANCE



HIGH
PRECISION

MAIN CHARACTER

- Feeding system is driven by exchange gears, which is convenient to replace to meet the processing requirement with different screw pitches.
- Driving system with protect clutch, has overload protection function to avoid the cracking of taps.
- The backlash spring is mounted in feeding system with high thread precision.
- Gear driving with large transmission torque, stable in transmission performance, multiple steps of spindle speeds, and with large thread size.
- Window type parameterized CNC system gathers modules of processing of common threads. The CNC system is convenient to operate and program, meanwhile, G-code programming can also be adopted to meet the requirement from different user.
- CNC cross slide table with high positioning accuracy and fast moving speed, which can be applied in the processing of components with multi threads or these with high requirement in thread distance, such as distributor thread processing.

TECHNICAL PARAMETERS

MODEL		SK6532
Max Tapping Capacity (mm)		M32
MOVING	X - Axis travel (mm)	230
	Y - Axis travel (mm)	180
	Z - Axis travel (mm)	550
	Distance between spindle and to table (mm)	55-670
	Distance spindle center to column surface (mm)	380
TABLE	Table size (mm)	400 x 250
	T Slot (wide x number x space)	14 x 3 x 80
	Allowable load (kg)	50
SPINDLE	Motor of spindle (kW)	1.5 (6P) / 2.2 (4P)
	Speed of spindle (r/min)	80, 150, 280, (6P Motor). 120, 220, 420 (4P Motor)
	Taper of spindle	MT3
FEED	Motor of X, Y axis (N.m)	7
	Motor of Z axis (N.m)	7
	Rapid feed rate X, Y (m/min)	10
	Auto feeding accuracy (mm)	1.25 / 1.5 / 1.75 / 2.0 / 2.5 / 3.0 / 3.5 19 / 18 / 16 / 14 / 13 / 12 / 11 / 10 / 9 / 8 / 7TPI
ACCURACY	Positioning accuracy (mm)	x, y: 0.03
	Repeat ability (mm)	x, y: 0.03
OTHER	Power requirement (kW)	6
	Overall size (m)	1.35 x 1.98 x 2.3
	N.W/ G.W (kg)	1500
	Type of cover	Semi-enclosed guard



SK4016

MAIN CHARACTERISTICS

- SK4016 CNC tapping machine design development with market demand. Suitable for spare parts of motor, pump, valve, made mould, gas pipe, cooking utensils relay element.



MACHINE INTERFACE



WORKTABLE SUPPORT CLAMPING



UP/DOWN HANDLE



**HIGH
TECHNOLOGY**



**EXCELLENT
PERFORMANCE**



**HIGH
PRECISION**

CHARACTER

- Screw tap drive by servo motor, without special drive system inside machine, high precision thread, avoid bad thread.
- System can setting tapping torque, with overload protection function, avoid screw tap break.
- Spindle with decelerate safety device, structure compactly. Drive stabilize, deliver big torque.
- Window type parametric CNC system, only need to fill out relevant parameters to complete different pitch thread processing which simple to operate.
- Be visible, displaying the actual work to seat torque, the actual thread depth setting thread depth; the machine speed, the number of qualified tapped screw threads.
- Can control: Can change speed and torsion, cam setting depth of the process choose process model, can choose backward chip removal, choose lubrication method.

TECHNICAL PARAMETERS

MODEL	SK4012	SK4016	SK4024	SK4042
Max. tapping capacity (mm)	M10, M12	M16	M24	M42
Diameter of column (mm)	70	70	85	100
Spindle travel (mm)	80	80	100	120
Distance between spindle and to table (mm)	350	350	580	880
Distance spindle axis to column generating line (mm)	218	218	240	287.5
Spindle taper	B18	B18	B22	MT4
Spindle speed (r/min)	0~600	0~370	0~187	0-95
Dimension of base surface (mm)	274 x 274	274 x 274	315 x 370	470 X 540
N.W Kg	90	90	120	280
Overall size (mm)	370 x 490 x 810	370 x 490 x 810	540 x 650 x 1150	590 x 690 x 1850



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