



2024 Version
General Catalog



ZIPO Intelligent Equipment Co., Ltd.

ZIPO Intelligent Equipment Co., Ltd. (Former Shanghai NO.7 Machine Tool Factory) is located at Huangshan city, Anhui province, which is the world-famous UNESCO World Heritage Site. Following the adjustment of the national industrial layout, the company moved from Shanghai to Huangshan City in 1966. Grasped the pulse of the era of reform and opening up, ZIPO had been devoted to machine tool design, manufacturing and service in past decades.

ZIPO's product ranges cover 5 series and 200+ models which include vertical, horizontal and double column machining centers, horizontal and vertical CNC lathes, CNC and conventional knee-type milling machines etc. They are widely applied in automotive, shipbuilding , construction machinery, aerospace, new energy, molds, 3C electronics and other fields. Cooperated with thousands of end users in various industries, ZIPO accumulates abundant experience in customized industrial solutions.

ZIPO continuously invests in independent R&D and technological innovation of high-end CNC machine tools, constantly explore new technologies and solutions to adapt

to the changing market. Relying on deep technology and manufacturing process accumulation in past decades, ZIPO uninterruptedly improve the performance and accuracy of the machine tools to ensure the stability and high reliability. Furthermore it established a relatively complete technical system and case library for automatic line designing, core functional components manufacturing, and the second development of the control system application etc.

Adhering to the values of professionalism, innovation, responsibility, enthusiasm, efficiency, and fraternity, ZIPO has won the trust from customers worldwide with its excellent innovation ability, outstanding customization ability, increasingly perfect delivery capabilities, and timely service capabilities.

In the new era, ZIPO will focus on customer application scenarios and continue to work as a professional, customer-oriented, integrated solution provider and contribute its utter strength to the high-quality development of national equipment manufacturing.



World class processing equipments ensure high quality machine accuracy.



Precision measuring equipments with meticulous inspection process



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Vertical Machining Center

Independent R&D based on combination of world leading design concepts and experience accumulated from abundant market feedback, devoted on iterating and offering products for wider choice.

High scalability, diverse optional configurations, flexible to meet customers' multi-scenario processing needs

Seeking perfect balance on machine performance of precision, rigidity, efficiency and stability.



Belt spindle for universal application

SEB series- Efficiency Models

	Unit	SEB855	SEB1055	SEB1165	SEB1265
Worktable size	mm	500*1000	500*1100	600*1200	600*1300
T-slot size	mm	5-18*100	5-18*100	5-18*100	5-18*100
Max. load bearing of worktable	kg	600	600	800	800
3 axis travel X/Y/Z	mm	850/550/600	1000/550/600	1100/650/600	1200/650/600
Distance from column front to spindle center	mm	597	597	697	697
Distance from table top surface to spindle nose	mm	120-720	120-720	120-720	120-720
Spindle hole taper		BT40	BT40	BT40	BT40
Spindle power	kW	11/15	11/15	11/15	11/15
Max. spindle speed	rpm	8000	8000	8000	8000
Max. feed speed	mm/min	12000	12000	12000	12000
Rapid feed speed	m/min	48/48/36	48/48/36	36/36/32	36/36/32
Tool magazine capacity	T	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5
Positioning accuracy	mm	0.008	0.008	0.008	0.008
Re-positioning accuracy	mm	0.004	0.004	0.004	0.004
Machine dimension	mm	2650*2700*2850	2650*2700*2850	3200*2985*2960	3200*2985*2960
Machine weight	kg	4500	4800	5500	5600

Direct spindle for high efficiency application

SED series- Efficiency Models

	Unit	SED855	SED1055	SED1165	SED1265
Worktable size	mm	500*1000	500*1100	600*1200	600*1300
T-slot size	mm	5-18*100	5-18*100	5-18*100	5-18*100
Max. load bearing of worktable	kg	600	600	800	800
3 axis travel X/Y/Z	mm	850/550/600	1000/550/600	1100/650/600	1200/650/600
Distance from column front to spindle center	mm	597	597	697	697
Distance from table top surface to spindle nose	mm	120-720	120-720	120-720	120-720
Spindle hole taper		BT40	BT40	BT40	BT40
Spindle power	kW	7.5/11	7.5/11	11/15	11/15
Max. spindle speed	rpm	12000	12000	12000	12000
Max. feed speed	mm/min	12000	12000	12000	12000
Rapid feed speed	m/min	48/48/36	48/48/36	36/36/32	36/36/32
Tool magazine capacity	T	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5
Positioning accuracy	mm	0.008	0.008	0.008	0.008
Re-positioning accuracy	mm	0.004	0.004	0.004	0.004
Machine dimension	mm	2650*2700*2850	2650*2700*2850	3200*2985*2960	3200*2985*2960
Machine weight	kg	4500	4800	5500	5600

Motorized spindle for high accuracy application

SE series- Efficiency Models

	Unit	SE650	SE855	SE1055	SE1165	SE1265
Worktable size	mm	400*850	500*1000	500*1100	600*1200	600*1300
T-slot size	mm	3-18*100	5-18*100	5-18*100	5-18*100	5-18*100
Max. load bearing of worktable	kg	400	600	600	800	800
3 axis travel X/Y/Z	mm	650/400/500	850/550/600	1000/550/600	1100/650/600	1200/650/600
Distance from column front to spindle center	mm	451	597	597	697	697
Distance from table top surface to spindle nose	mm	100-600	120-720	120-720	120-720	120-720
Spindle hole taper		HSK-E40	BBT40	BBT40	BBT40	BBT40
Spindle power	kW	8.5	16/18.5	16/18.5	16/18.5	16/18.5
Max. spindle speed	rpm	30000	16000	16000	16000	16000
Max. feed speed	mm/min	12000	12000	12000	12000	12000
Rapid feed speed	m/min	48/48/32	48/48/36	48/48/36	36/36/32	36/36/32
Tool magazine capacity	T	20	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5	2.5
Positioning accuracy	mm	0.008	0.008	0.008	0.008	0.008
Re-positioning accuracy	mm	0.004	0.004	0.004	0.004	0.004
Machine dimension	mm	2110*2320*2750	2650*2700*2850	2650*2700*2850	3200*2985*2770	3200*2985*2770
Machine weight	kg	4100	4500	4800	5400	5500

Belt spindle for high rigidity application

VMC series- Classic Models

	Unit	VMC850P	VMC1000P	VMC1060B	VMC1160B
Worktable size	mm	500*1000	520*1200	600*1200	610*1300
T-slot size	mm	5-18*100	5-18*100	5-18*100	5-18*100
Max. load bearing of worktable	kg	500	500	800	900
3 axis travel X/Y/Z	mm	850/500/550	1000/520/535	1000/620/630	1100/610/630
Distance from column front to spindle center	mm	582	582	667	667
Distance from table top surface to spindle nose	mm	100-650	80-615	110-740	110-740
Spindle hole taper		BT40	BT40	BT40	BT40-φ150
Spindle power	kW	11/15	11/15	11/15	11/15
Max. spindle speed	rpm	8000	8000	8000	8000
Max. feed speed	mm/min	12000	12000	12000	12000
Rapid feed speed	m/min	48/48/32	48/48/32	36/36/32	36/36/32
Tool magazine capacity	T	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5
Positioning accuracy	mm	0.008	0.008	0.008	0.008
Re-positioning accuracy	mm	0.004	0.004	0.004	0.004
Machine dimension	mm	2978*2490*2860	2990*2490*2885	2850*2300*2850	3150*2300*2850
Machine weight	kg	5500	5800	6800	7000

Direct spindle for high speed application

V series –Classic Models

	Unit	V8P	V10P	V10B	V11B
Worktable size	mm	500*1000	520*1200	600*1200	610*1300
T-slot size	mm	5-18*100	5-18*100	5-18*100	5-18*100
Max. load bearing of worktable	kg	500	500	800	900
3 axis travel X/Y/Z	mm	850/500/550	1000/520/535	1000/620/630	1100/610/630
Distance from column front to spindle center	mm	582	582	667	667
Distance from table top surface to spindle nose	mm	120-670	100-635	120-750	120-750
Spindle hole taper		BT40	BT40	BT40	BT40
Spindle power	kW	7.5/11	7.5/11	11/15	11/15
Max. spindle speed	rpm	12000	12000	12000	12000
Max. feed speed	mm/min	12000	12000	12000	12000
Rapid feed speed	m/min	48/48/48	48/48/48	36/36/32	36/36/32
Tool magazine capacity	T	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5
Positioning accuracy	mm	0.008	0.008	0.008	0.008
Re-positioning accuracy	mm	0.004	0.004	0.004	0.004
Machine dimension	mm	2978*2490*2860	2990*2490*2860	2850*2300*2850	3150*2300*2850
Machine weight	kg	5500	5800	6800	7000

Belt spindle for box type guide way

VMC series– Classic Models

	Unit	VMC855	VMC1000	VMC1165	VMC1265	VMC1580L	VMC1690L	VMC1890L	VMC2090L
Worktable size	mm	550*1000	550*1200	650*1300	650*1400	850*1700	850*1700	900*2000	900*2000
T-slot size	mm	5-18*100	5-18*100	5-18*125	5-18*125	7-18 (5×125/2×100)	7-18 (5×125/2×100)	7-18*125	7-18*125
Max. load bearing of worktable	kg	700	800	1000	1200	1300	1600	1800	1800
3 axis travel X/Y/Z	mm	850/550/650	1000/570/650	1100/650/665	1200/670/665	1550/850/850	1650/900/900	1850/900/900	2000/900/900
Distance from column front to spindle center	mm	610	610	700	700	935	935	960	960
Distance from table top surface to spindle nose	mm	125-775	100-750	150-815	115-780	120-970	95-995	95-995	95-995
Spindle hole taper		BT40	BT40	BT40	BT50	BT50	BT50	BT50	BT50
Spindle power	kW	11/15	11/15	11/15	11/15	15/18.5	15/18.5	15/18.5	15/18.5
Max. spindle speed	rpm	8000	8000	8000	6000	6000	6000	6000	6000
Max. feed speed	mm/min	10000	10000	10000	10000	10000	10000	10000	10000
Rapid feed speed	m/min	12/12/12	12/12/12	12/12/12	12/12/12	24/24/15	24/24/15	24/24/15	24/24/15
Tool magazine capacity	T	24	24	24	24	24	24	24	24
Tool change time	S	2.5	2.5	2.5	4.5	4.5	4.5	4.5	4.5
Positioning accuracy	mm	0.01	0.01	0.01	0.01	0.016	0.016	0.016	0.016
Re-positioning accuracy	mm	0.005	0.005	0.005	0.005	0.008	0.008	0.008	0.008
Machine dimension	mm	2700*2510*3000	2700*2510*3000	4800*2700*3250	4800*2700*3250	5600*3250*3500	5700*3250*3525	6200*3490*3880	6400*3490*3880
Machine weight	kg	6200	6500	8500	9000	13300	13500	14800	15200

Belt spindle for high rigidity and accuracy application

SVB Series – Excellent Models

	Unit	SVB650	SVB850	SVB1060	SVB1160	SVB1270	SVB1470	SVB1580	SVB1780
Worktable size	mm	400*850	500*1000	600*1200	600*1360	700*1400	700*1600	800*1700	800*1900
T-slot size	mm	3-18*100	5-18*100	5-18*100	5-18*100	5-18*125	5-18*125	5-22*160	5-22*160
Max. load bearing of worktable	kg	400	600	800	900	1000	1100	1200	1300
3 axis travel X/Y/Z	mm	650/400/500	850/520/560	1000/620/620	1160/620/620	1200/700/700	1400/700/700	1500/800/800	1700/800/800
Distance from column front to spindle center	mm	451	592	663	663	766	766	887	887
Distance from table top surface to spindle nose	mm	100-600	120-680	150-770	150-770	150-850	150-850	180-980	180-980
Spindle hole taper		BT40	BT40	BT40	BT40	BT50	BT50	BT50	BT50
Spindle power	kW	7.5/11	7.5/11	11/15	11/15	15/18.5	15/18.5	15/18.5	15/18.5
Max. spindle speed	rpm	8000	8000	8000	8000	6000	6000	6000	6000
Max. feed speed	mm/min	12000	12000	12000	12000	12000	12000	12000	12000
Rapid feed speed	m/min	48/48/32	48/48/32	36/36/24	36/36/24	24/24/20	24/24/20	24/24/24	24/24/24
Tool magazine capacity	T	20	24	24	24	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5	3.5	3.5	3.5	3.5
Positioning accuracy	mm	0.008	0.008	0.008	0.008	0.01	0.01	0.01	0.01
Re-positioning accuracy	mm	0.004	0.004	0.004	0.004	0.005	0.005	0.005	0.005
Machine dimension	mm	2110*2320*2750	2250*2700*2850	3540*2620*2930	3740*2620*2930	4350*2955*3320	4850*2955*3320	5300*3250*3560	5500*3250*3560
Machine weight	kg	4100	6500	6800	7000	9700	10000	14500	15000

Direct spindle for high speed and efficiency

SVD Series – Excellent Models

	Unit	SVD650	SVD850	SVD1060	SVD1160	SVD1270	SVD1470
Worktable size	mm	400*850	500*1000	600*1200	600*1360	700*1400	700*1600
T-slot size	mm	3-18*100	5-18*100	5-18*100	5-18*100	5-18*125	5-18*125
Max. load bearing of worktable	kg	400	600	800	900	1000	1100
3 axis travel X/Y/Z	mm	650/400/500	850/520/560	1000/620/620	1160/620/620	1200/700/700	1400/700/700
Distance from column front to spindle center	mm	451	592	663	663	766	766
Distance from table top surface to spindle nose	mm	100-600	120-680	150-770	150-770	150-850	150-850
Spindle hole taper		BT40	BT40	BT40	BT40	BT50	BT50
Spindle power	kW	7.5/11	7.5/11	11/15	11/15	11/15	11/15
Max. spindle speed	rpm	12000	12000	12000	12000	10000	10000
Max. feed speed	mm/min	12000	12000	12000	12000	12000	12000
Rapid feed speed	m/min	48/48/32	48/48/32	36/36/24	36/36/24	24/24/20	24/24/20
Tool magazine capacity	T	20	24	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5	3.5	3.5
Positioning accuracy	mm	0.008	0.008	0.008	0.008	0.01	0.01
Re-positioning accuracy	mm	0.004	0.004	0.004	0.004	0.005	0.005
Machine dimension	mm	2110*2320*2750	2250*2700*2850	3540*2620*2930	3740*2620*2930	4350*2955*3320	4850*2955*3320
Machine weight	kg	4100	6500	6800	7000	9700	10000

Gearhead spindle for heavy cutting application

SVG Series – Excellent Models

	Unit	SVG1270	SVG1470	SVG1580	SVG1780
Worktable size	mm	700*1400	700*1600	800*1700	800*1900
T-slot size	mm	5-18*125	5-18*125	5-22*160	5-22*160
Max. load bearing of worktable	kg	1000	1100	1200	1300
3 axis travel X/Y/Z	mm	1200/700/700	1400/700/700	1500/800/800	1700/800/800
Distance from column front to spindle center	mm	766	766	887	887
Distance from table top surface to spindle nose	mm	150-850	150-850	180-980	180-980
Spindle hole taper		BT50	BT50	BT50	BT50
Spindle power	kW	15/18.5	15/18.5	15/18.5	15/18.5
Max. spindle speed	rpm	6000	6000	6000	6000
Max. feed speed	mm/min	12000	12000	12000	12000
Rapid feed speed	m/min	24/24/20	24/24/20	24/24/24	24/24/24
Tool magazine capacity	T	24	24	24	24
Tool change time	S	3.5	3.5	3.5	3.5
Positioning accuracy	mm	0.01	0.01	0.001	0.001
Re-positioning accuracy	mm	0.005	0.005	0.005	0.005
Machine dimension	mm	4350*2955*3320	4850*2955*3320	5300*3250*3560	5500*3250*3560
Machine weight	kg	9700	10000	16000	16500

Wheel hub machining

Industry featured machine

	Unit	SHB26	SHD26	SHE26	SHD22D
Standard CNC system		FANUC Type 5	FANUC Type 3	FANUC Type 3	808D
Worktable size	mm	650*900	650*900	650*900	600*1500
T-slot size	mm	5-18*100	5-18*100	5-18*100	5-18*100
Max. load bearing of worktable	kg	1000	1000	1000	1000
3 axis travel X/Y/Z	mm	800/720/650	800/720/650	800/720/650	650/650/600
Distance from column front to spindle center	mm	762	762	762	727
Distance from table top surface to spindle nose	mm	250-900	250-900	240-890	250-850
Spindle hole taper		BT40	BT40	BBT40	BT40
Spindle power	kW	11/15	9/11	16/18.5	15/22.5
Max. spindle speed	rpm	8000	15000	16000	12000
Max. feed speed	mm/min	18000	18000	18000	18000
Rapid feed speed	m/min	36/36/24	36/36/24	36/36/24	36/36/32
Tool magazine capacity	T	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5
Positioning accuracy	mm	0.01	0.01	0.001	0.01
Re-positioning accuracy	mm	0.005	0.005	0.005	0.005
Machine dimension	mm	3830*2880*3100	3830*2880*3100	3830*2880*3100	3140*3588*3085
Machine weight	kg	7500	7500	7500	8000

Pan-aluminum processing

Industry featured machine

	Unit	VMC1370	V13	V13D	SVB1570	SVD1570
Worktable size	mm	680*1500	680*1500	680*1500	700*1600	700*1600
T-slot size	mm	5-18*125	5-18*125	5-18*125	5-18*125	5-18*125
Max. load bearing of worktable	kg	800	800	800	1000	1000
3 axis travel X/Y/Z	mm	1300/700/650	1300/700/650	1300/700/650	1500/700/700	1500/700/700
Distance from column front to spindle center	mm	762	762	762	766	766
Distance from table top surface to spindle nose	mm	200-850	200-850	190-840	140-840	140-840
Spindle hole taper		BT40	BT40	BBT40	BT40	BT40
Spindle power	kW	11/15	11/15	16/18.5	11/15	11/15
Max. spindle speed	rpm	10000	12000	16000	10000	12000
Max. feed speed	mm/min	12000	12000	12000	12000	12000
Rapid feed speed	m/min	30/36/24	30/36/24	30/36/24	20/20/20	20/20/20
Tool magazine capacity	T	24	24	24	24	24
Tool change time	S	2.5	2.5	2.5	2.5	2.5
Positioning accuracy	mm	0.008	0.008	0.008	0.01	0.01
Re-positioning accuracy	mm	0.004	0.004	0.004	0.005	0.005
Machine dimension	mm	3550*2800*3060	3550*2800*2700	3550*2800*2700	3950*3300*3320	3950*3300*3320
Machine weight	kg	8000	8000	8000	9800	9800

Double Column Machining Center

Whole range of modular design, apt to diversified processing solutions.

Wide range products of high flow rate, complete spectrum, and flexible spindle configuration

More than 100 featured models and mainly divided as four series: Classic T-type ram series, upgraded T-type ram series, classic square ram series, and upgraded square ram series.

Rich options available for diversified customer solutions. Major application industry includes automobile, mold, rail transit energy, power, shipbuilding, aerospace and other industries



Classic T-type ram series

		SP1016	SP1020	SP1325	SP1330	SP1525	SP1530	SP1540	SP1820		SP1830	SP1840	SP1850	SP2230	SP2240	SP2250	SP2260	SP2530	SP2540	SP2550	SP2560
Working range																					
X axis travel	mm	1650	2050	2600	3100	2600	3100	4100	2200		3200	4200	5200	3200	4200	5200	6200	3200	4200	5200	6200
Y axis travel	mm	1100	1100	1400	1400	1650	1650	1650	1850		1850	1850	1850	2250	2250	2250	2250	2900	2900	2900	2900
Z axis travel	mm	600	600	800	800	800	800	800	1000		1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Distance from table surface to spindle nose	mm	160-760	160-760	160-960	160-960	160-960	160-960	160-960	260-1260		260-1260	260-1260	260-1260	220-1220	220-1220	220-1220	220-1220	220-1220	220-1220	220-1220	220-1220
Distance between two columns	mm	1250	1250	1400	1400	1650	1650	1650	2000		2000	2000	2000	2400	2400	2400	2400	3000	3000	3000	3000
Worktable																					
Worktable size	mm	1600*1000	2000*1000	2500*1300	3000*1300	2500*1500	3000*1500	4000*1500	2000*1800		3000*1800	4000*1800	5000*1800	3000*2000	4000*2000	5000*2000	6000*2000	3000*2500	4000*2500	5000*2500	6000*2500
Max.load bearing of worktable	kg	3500	4000	6000	7000	6000	7000	8000	10000		12000	14000	16000	12000	15000	18000	22000	15000	18000	22000	25000
T slot size	mm	7-22*125	7-22*125	7-22*160	7-22*160	9-22*160	9-22*160	9-22*160	11-22*160		11-22*160	11-22*160	11-22*160	11-22*160	11-22*160	11-22*160	11-22*160	11-28*200	11-28*200	11-28*200	11-28*200
Spindle																					
Spindle type		Belt	Belt	Belt	Belt	Belt	Belt	Belt	Belt		Belt	Belt	Belt	Gear Head	Gear Head	Gear Head	Gear Head	Gear Head	Gear Head	Gear Head	Gear Head
Main motor power	kW	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5		15/18.5	15/18.5	22/26	15/18.5	15/18.5	22/26	22/26	22/26	22/26	22/26	22/26
Spindle speed	rpm	8000	8000	6000	6000	6000	6000	6000	6000		6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
Spindle torque	N·m	143	143	143	143	143	143	143	143		143	143	140	572	572	560	560	560	560	560	560
Spindle hole taper		BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50		BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50
Feed																					
Rapid feed speed	m/min	20/20/10	20/20/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10		10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10
X axis ballscrew	mm	Ø63*P20	Ø63*P20	Ø63*P16	Ø63*P16	Ø63*P16	Ø63*P16	Ø80*P20	Ø80*P20		Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20
Y axis ballscrew	mm	Ø50*P12	Ø50*P12	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø63*P20		Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20
Z axis ballscrew	mm	Ø50*P20	Ø50*P20	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16		Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16
Feed motor power	kW	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3		3/3/3	3/3/3	6/7/7	3/3/3	3/3/3	6/7/7	6/7/7	6/7/7	6/7/7	6/7/7	6/7/7
Accuracy																					
Positioning accuracy	mm	0.025	0.025	0.025/0.015/0.016	0.028/0.015/0.016	0.025/0.016/0.016	0.028/0.016/0.016	0.03/0.016/0.016	0.025/0.018/0.02		0.028/0.018/0.020	0.03/0.018/0.02	0.034/0.018/0.02	0.028/0.02/0.02	0.03/0.02/0.02	0.034/0.02/0.02	0.036/0.02/0.02	0.028/0.022/0.02	0.03/0.022/0.02	0.034/0.022/0.02	0.036/0.022/0.02
Re-positioning accuracy	mm	0.014	0.014	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008		0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008
Machine																					
Machine dimension	mm	6000*4500*4100	6800*4500*4100	7800*5000*5000	8800*5000*5000	7900*5000*5100	8800*5000*5100	10800*5000*5100	7000*5800*5500		9000*5800*5500	10400*5800*5500	12400*5800*5500	9100*6200*5500	10400*6200*5500	12400*6200*5500	15000*6200*5500	9000*6800*5700	10400*6800*5700	12400*6800*5700	15000*6800*5700
Machine weight	T	18	19	22.5	23	24	26	28	28		32	35.5	39	33.5	37	41	44.5	39	42.5	46	50

Classic square ram series

		SP1820F	SP1830F	SP1840F	SP1850F	SP2230F	SP2240F	SP2250F	SP2260F	SP2530F	SP2540F	SP2550F		SP2560F	SP3380F	SP33100F	SP33120F	SP4250F	SP4260F	SP4280F	SP42100F	SP42120F	SP4860F	SP4880F	SP48100F	SP48120F	
Working range																											
X axis travel	mm	2200	3200	4200	5200	3200	4200	5200	6200	3200	4200	5200		6200	8500	10500	12500	5500	6500	8500	10500	12500	6500	8500	10500	12500	
Y axis travel	mm	1850	1850	1850	1850	2250	2250	2250	2250	2900	2900	2900		2900	4500	4500	4500	5000	5000	5000	5000	5000	5500	5500	5500	5500	
Z axis travel	mm	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000		1000	1250	1250	1250	1250	1250	1250	1250	1250	1500	1500	1500	1500	
Distance from table surface to spindle nose	mm	260-1260	260-1260	260-1260	260-1260	260-1260	260-1260	260-1260	260-1260	260-1260	260-1260	260-1260		260-1260	250-1500	250-1500	250-1500	350-1600	250-1500	250-1500	250-1500	250-1500	250-1750	250-1750	250-1750	250-1750	
Distance between two columns	mm	2000	2000	2000	2000	2400	2400	2400	2400	3000	3000	3000		3000	3300	3300	3300	4200	4200	4200	4200	4200	4800	4800	4800	4800	
Worktable																											
Worktable size	mm	2000*1800	3000*1800	4000*1800	5000*1800	3000*2000	4000*2000	5000*2000	6000*2000	3000*2500	4000*2500	5000*2500		6000*2500	8000*2500	10000*2500	12000*2500	5000*3000	6000*3000	8000*3000	10000*3000	12000*3000	6000*3500	8000*3500	10000*3500	12000*3500	
Max.load bearing of worktable	kg	10000	12000	15000	18000	12000	15000	18000	22000	15000	18000	22000		25000	32000	40000	48000	25000	40000	50000	60000	70000	50000	60000	70000	80000	
T slot size	mm	11-22*160	11-22*160	11-22*160	11-22*160	11-22*160	11-22*160	11-22*160	11-22*160	11-28*200	11-28*200	11-28*200		11-28*200	28*250	28*250	28*250	13-28*200+2-28*160	28*250	28*250	28*250	28*250	28*250	28*250	28*250	28*250	
Spindle																											
Square ram size	mm	400x400	400x400	400x400	400x400	400x400	400x400	400x400	400x400	400x400	400x400	400x400		400x400	460x460	460x460	460x460	460x460	460x460	460x460	460x460	460x460	500x500	500x500	500x500	500x500	
Main motor power	kW	22/26	22/26	22/26	22/26	22/26	22/26	22/26	22/26	22/26	22/26	22/26		22/26	22/26	22/26	22/26	22/26	22/26	22/26	22/26	22/26	22/26	22/26	22/26	22/26	
Spindle speed	rpm	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000		6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	
Spindle torque	N·m	560	560	560	560	560	560	560	560	560	560	560		560	560	560	560	560	560	560	560	560	560	560	560	560	
Spindle hole taper		BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50		BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50	
Feed																											
Rapid feed speed	m/min	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10		10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	10/10/10	8/8/10	10/8/10	10/8/10	10/8/10	8/8/10	10/8/10	10/8/10	
Accuracy																											
Positioning accuracy	mm	0.025/0.018/0.02	0.028/0.018/0.020	0.03/0.018/0.02	0.034/0.018/0.02	0.028/0.02/0.02	0.03/0.02/0.02	0.034/0.02/0.02	0.036/0.02/0.02	0.028/0.022/0.02	0.03/0.022/0.02	0.034/0.022/0.02		0.036/0.022/0.02	0.045/0.026/0.02	0.05/0.026/0.02	0.055/0.026/0.02	0.034/0.032/0.02	0.036/0.032/0.02	0.045/0.032/0.02	0.05/0.032/0.02	0.055/0.032/0.02	0.036/0.034/0.02	0.045/0.034/0.02	0.05/0.034/0.02	0.055/0.034/0.02	
Re-positioning accuracy	mm	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008		0.014/0.012/0.008	0.02/0.018/0.012	0.02/0.018/0.012	0.02/0.018/0.012	0.014/0.018/0.008	0.014/0.018/0.008	0.02/0.018/0.008	0.02/0.018/0.008	0.02/0.018/0.008	0.02/0.02/0.008	0.02/0.02/0.008	0.02/0.02/0.008	0.02/0.02/0.008	
Machine																											
Machine dimension	mm	6800*6000*5700	8800*6000*5700	10800*6000*5700	13700*6000*5700	8800*6400*5700	10800*6400*5700	13700*6400*5700	16000*6400*5700	8800*7000*5900	10800*7000*5900	13700*7000*5900		16000*7000*5900	19800*7200*6000	25000*7200*6000	29000*7200*6000	14000*8400*5900	17000*8400*5900	21000*8400*5900	23800*8400*5900	27800*8400*5900	17000*8800*5900	22000*9500*5900	25000*9500*5900	27800*9500*5900	
Machine weight	T	31	35	38	42	37	40.5	45	48	42	46	50		53	78	90	102	70	80	92	105	118	90	110	130	150	

Upgraded T-type ram series

		SP1525 II	SP1530 II	SP1540 II	SP1830 II	SP1840 II	SP1850 II		SP2030 II	SP2040 II	SP2050 II	SP2060 II	SP2530 II	SP2540 II	SP2550 II	SP2560 II
Working range																
X axis travel	mm	2600	3100	4100	3200	4200	5200		3200	4200	5200	6200	3200	4200	5200	6200
Y axis travel	mm	1900	1900	1900	2400	2400	2400		2800	2800	2800	2800	3600	3600	3600	3600
Z axis travel	mm	800	800	800	1000	1000	1000		1000	1000	1000	1000	1000	1000	1000	1000
Distance from table surface to spindle nose	mm	120-920	120-920	120-920	220-1220	220-1220	220-1220		220-1220	220-1220	220-1220	220-1220	220-1220	220-1220	220-1220	220-1220
Distance between two columns	mm	1900	1900	1900	2400	2400	2400		2800	2800	2800	2800	3600	3600	3600	3600
Worktable																
Worktable size	mm	2500*1500	3000*1500	4000*1500	3000*1800	4000*1800	5000*1800		3000*2000	4000*2000	5000*2000	6000*2000	3000*2500	4000*2500	5000*2500	6000*2500
Max.load bearing of worktable	kg	9000	10000	12000	12000	14000	16000		12000	15000	18000	22000	15000	18000	22000	25000
T slot size	mm	7-22*200	7-22*200	7-22*200	9-22*200	9-22*200	9-22*200		9-22*200	9-22*200	9-22*200	9-22*200	11-28*200	11-28*200	11-28*200	11-28*200
Spindle																
Spindle type		Gear Head	Gear Head	Gear Head	Gear Head	Gear Head	Gear Head		Gear Head	Gear Head	Gear Head	Gear Head	Gear Head	Gear Head	Gear Head	Gear Head
Main motor power	kW	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	22/26		15/18.5	15/18.5	22/26	22/26	22/26	22/26	22/26	22/26
Spindle speed	rpm	6000	6000	6000	6000	6000	6000		6000	6000	6000	6000	6000	6000	6000	6000
Spindle torque	N·m	572	572	572	572	572	560		572	572	560	560	560	560	560	560
Spindle hole taper		BT50	BT50	BT50	BT50	BT50	BT50		BT50	BT50	BT50	BT50	BT50	BT50	BT50	BT50
Feed																
Rapid feed speed	m/min	15/15/10	15/15/10	15/15/10	15/15/10	15/15/10	10/15/10		15/15/10	15/15/10	10/15/10	10/15/10	12/15/10	12/15/10	10/15/10	10/15/10
X axis ballscrew	mm	Ø63*P16	Ø63*P16	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20		Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20	Ø80*P20
Y axis ballscrew	mm	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20		Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20	Ø63*P20
Z axis ballscrew	mm	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16		Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16	Ø50*P16
Feed motor power	kW	3/3/3	3/3/3	3/3/3	3/3/3	3/3/3	6/7/7		3/3/3	3/3/3	6/7/7	6/7/7	6/7/7	6/7/7	6/7/7	6/7/7
Accuracy																
Positioning accuracy	mm	0.025/0.018/0.016	0.028/0.018/0.016	0.03/0.018/0.016	0.025/0.02/0.016	0.03/0.02/0.016	0.034/0.02/0.016		0.025/0.022/0.016	0.03/0.022/0.016	0.034/0.022/0.016	0.036/0.022/0.016	0.025/0.03/0.016	0.03/0.03/0.016	0.034/0.03/0.016	0.036/0.03/0.016
Re-positioning accuracy	mm	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008		0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.018/0.008	0.014/0.018/0.008	0.014/0.018/0.008	0.014/0.018/0.008
Machine																
Machine dimension	mm	7900*6000*5000	8800*6000*5000	10800*6000*5000	8800*6200*5500	10800*6200*5500	12800*6200*5500		8800*6600*5500	10800*6600*5500	12800*6600*5500	16000*6600*5500	8800*7400*5700	10800*7400*5700	12800*7400*5700	16000*7400*5700
Machine weight	T	26	28	30	34	37.5	41		35.5	39	43	46.5	41	44.5	48	52

Upgraded square ram series

		SP1830FII	SP1840FII	SP1850FII	SP2030FII	SP2040FII		SP2050FII	SP2060FII	SP2530FII	SP2540FII	SP2550FII	SP2560FII
Working range													
X axis travel	mm	3200	4200	5200	3200	4200		5200	6200	3200	4200	5200	6200
Y axis travel	mm	2400	2400	2400	2800	2800		2800	2800	3600	3600	3600	3600
Z axis travel	mm	1000	1000	1000	1000	1000		1000	1000	1000	1000	1000	1000
Distance from table surface to spindle nose	mm	260-1260	260-1260	260-1260	260-1260	260-1260		260-1260	260-1260	260-1260	260-1260	260-1260	260-1260
Distance between two columns	mm	2400	2400	2400	2800	2800		2800	2800	3600	3600	3600	3600
Worktable													
Worktable size	mm	3000*1800	4000*1800	5000*1800	3000*2000	4000*2000		5000*2000	6000*2000	3000*2500	4000*2500	5000*2500	6000*2500
Max.load bearing of worktable	kg	12000	14000	16000	12000	15000		18000	22000	15000	18000	22000	25000
T slot size	mm	9-22*200	9-22*200	9-22*200	9-22*200	9-22*200		9-22*200	9-22*200	11-28*200	11-28*200	11-28*200	11-28*200
Spindle													
Square ram size		400x400	400x400	400x400	400x400	400x400		400x400	400x400	400x400	400x400	400x400	400x400
Main motor power	KW	22/26	22/26	22/26	22/26	22/26		22/26	22/26	22/26	22/26	22/26	22/26
Spindle speed	rpm	6000	6000	6000	6000	6000		6000	6000	6000	6000	6000	6000
Spindle torque	N·m	560	560	560	560	560		560	560	560	560	560	560
Spindle hole taper		BT50	BT50	BT50	BT50	BT50		BT50	BT50	BT50	BT50	BT50	BT50
Feed													
Rapid feed speed	m/min	15/15/10	15/15/10	10/15/10	15/15/10	15/15/10		10/15/10	10/15/10	12/15/10	12/15/10	10/15/10	10/15/10
Accuracy													
Positioning accuracy	mm	0.025/0.02/0.016	0.03/0.02/0.016	0.034/0.02/0.016	0.025/0.022/0.016	0.03/0.022/0.016		0.034/0.022/0.016	0.036/0.022/0.016	0.025/0.03/0.016	0.03/0.03/0.016	0.034/0.03/0.016	0.036/0.03/0.016
Re-positioning accuracy	mm	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.012/0.008		0.014/0.012/0.008	0.014/0.012/0.008	0.014/0.018/0.008	0.014/0.018/0.008	0.014/0.018/0.008	0.014/0.018/0.008
Machine													
Machine dimension	mm	8800*6200*5500	10800*6200*5500	12800*6200*5500	8800*6600*5500	10800*6600*5500		12800*6600*5500	16000*6600*5500	8800*7400*5700	10800*7400*5700	12800*7400*5700	16000*7400*5700
Machine weight	T	37.5	41	44.5	39	42.5		45.5	50	44.5	48	51.5	55.5

CNC Horizontal Lathe

Extensive product range

Product portfolio includes inclined bed horizontal CNC lathe, turning machining center, multi-functional turning machining center, turning and milling combined machining center, industrial horizontal CNC lathe

Comprehensive product configuration

Tool holder: Gang tool, Power milling head, Hydraulic turret, Servo turret, ower turret, Y-axis power turret
Other options: High-voltage chip breaking system, automatic door, tool setter, work piece measurement system, low-frequency oscillation chip breakers, oil mist collectors, industrial vacuum cleaners, optical rulers and other customized configurations.

Superior service capabilities

Professional and one stop solution for processing solutions, automation line project plans, sample processing, parts and product processing.

Focus on quality control

High standard : A compression of 50-70% on ISO standard accuracy as our manufacture standard.
Top brands for standard and key components to ensure the best machine performance.
Strict production process: Standard Operating Procedure and Quality Control management meticulously executed for the whole product flow.



High capability models

Ladder design rail inclined machine bed with high expandability

	Unit	SHL50B	SHL50BC	SHL50BH	SHL60B	SHL60BC	SHL60BY
Max. swing over bed	mm	Φ520	Φ520	Φ520	Φ610	Φ610	Φ610
Max. turning length	mm	500	500	500	565	550	550
Max. turning diameter	mm	Φ360	Φ320	Φ360	Φ450	Φ400	Φ400
Max. swing over carriage	mm	Φ360	Φ320	Φ360	Φ400	Φ400	Φ400
Spindle nose	type	A2-6	A2-6	A2-6	A2-8	A2-8	A2-8
Max. passing bar diameter	mm	Φ50	Φ50	Φ45	Φ70	Φ70	Φ70
Spindle speed	rpm	50 ~ 4500	50 ~ 4500	50 ~ 4000	50 ~ 3000	50 ~ 3500	50 ~ 3500
Motor power	kW	11/15	11/15	11/15	11/15	11/15	11/15
Standard chuck diameter	inch	8"	8"	8"	10"	10"	10"
X-axis rapid feed	m/min	30	30	30	30	30	30
Z-axis rapid feed	m/min	30	30	30	30	30	30
X-axis travel	mm	200	200	200	240	240	240
Z-axis travel	mm	550	550	550	610	610	610
Tailstock spindle hole taper	T	5#	5#	5#	5#	5#	5#
Standard turret type	T	Servo 12st	Driven 12st	Servo 12st	Servo 12st	Driven 12st	Driven 12st
Change tool nearby		OK	OK	OK	OK	OK	OK
Machine weight	kg	3800	3800	3850	4700	4700	5000
Machine dimension	mm	2502*1723*1753	2502*1723*1753	2502*1723*1753	2950*1700*1865	2950*1700*1865	3000*1850*2050

High application models

Classic inclined machine bed with high adaptability

	Unit	SHL40P	SHL40PC	SHL50P	SHL50PC	SHL60P	SHL60PC	SHL60P-1000	SHL60PC-1000	SHL63P	SHL63P-1500
Max. swing over bed	mm	Φ400	Φ400	Φ500	Φ500	Φ600	Φ600	Φ600	Φ600	Φ630	Φ630
Max. turning length	mm	300	300	500	500	500	500	1000	1000	1000	1500
Max. turning diameter	mm	Φ320	Φ320	Φ360	Φ300	Φ400	Φ280	Φ400	Φ280	Φ500	Φ500
Max. swing over carriage	mm	Φ160	Φ160	Φ320	Φ300	Φ360	Φ280	Φ360	Φ280	Φ500	Φ500
Spindle nose	type	A2-5	A2-5	A2-6	A2-6	A2-6	A2-6	A2-6	A2-6	A2-8	A2-8
Max. passing bar diameter	mm	Φ42	Φ42	Φ50	Φ50	Φ50	Φ50	Φ50	Φ50	Φ65	Φ65
Spindle speed	rpm	50 ~ 5000	50 ~ 5000	50 ~ 4500	50 ~ 4500	50 ~ 4500	50 ~ 4500	50 ~ 4500	50 ~ 4500	50 ~ 3500	50 ~ 3500
Motor power	kW	5.5/7.5	5.5/7.5	11/15	11/15	11/15	11/15	11/15	11/15	15/18.5	15/18.5
Standard chuck diameter	inch	φ42	φ42	8"	8"	8"	8"	8"	8"	10"	10"
X-axis rapid feed	m/min	20	20	30	30	30	30	30	30	30	30
Z-axis rapid feed	m/min	24	24	30	30	30	30	30	30	30	30
X-axis travel	mm	460	460	200	200	210	210	210	210	280	280
Z-axis travel	mm	365	365	560	560	560	560	1060	1060	1070	1570
Tailstock spindle hole taper	MT	/	/	5#	5#	5#	5#	5#	5#	5#	5#
Standard turret type	T	Gang Tool	Gang Tool/ Driven tool	Hydraulic 8st	Driven 12st	Hydraulic 8st	Driven 12st	Hydraulic 8st	Driven 12st	Hydraulic 12st	Hydraulic 12st
Change tool nearby		/	/	OK	OK	OK	OK	OK	OK	OK	OK
Machine weight	kg	2500	2500	3650	3800	4500	4500	5000	5000	7500	9500
Machine dimension	mm	2200*1600*1700	2200*1600*1700	2275*1625*1825	2275*1625*1825	2850*1865*1880	2850*1865*1880	3650*1865*1880	3650*1865*1880	4400*2200*2150	4500*2250*2250

High cost performance models

Classic inclined machine bed with high adaptability

	Unit	SHL40F	SHL40FC	SHL50F	SHL50FC
Max. swing over bed	mm	Φ400	Φ400	Φ500	Φ500
Max. turning length	mm	300	300	500	500
Max. turning diameter	mm	Φ320	Φ320	Φ360	Φ300
Max. swing over carriage	mm	Φ160	Φ160	Φ320	Φ300
Spindle nose	type	A2-5	A2-5	A2-6	A2-6
Max. passing bar diameter	mm	Φ42	Φ42	Φ50	Φ50
Spindle speed	rpm	50 ~ 5000	50 ~ 5000	50 ~ 4500	50 ~ 4500
Motor power	kW	5.5/7.5	5.5/7.5	11/15	11/15
Standard chuck diameter	inch	φ42	φ42	8"	8"
X-axis rapid feed	m/min	20	20	30	30
Z-axis rapid feed	m/min	24	24	30	30
X-axis travel	mm	460	460	200	200
Z-axis travel	mm	365	365	560	560
Tailstock spindle hole taper	MT	/	/	5#	5#
Standard turret type	T	Gang Tool	Gang Tool/ Driven tool	Hydraulic 8st	Driven 12st
Change tool nearby		/	/	OK	OK
Machine weight	kg	2500	2500	3650	3800
Machine dimension	mm	2200*1600*1700	2200*1600*1700	2275*1625*1825	2275*1625*1825

CNC Vertical Lathe

- Full axes high-rigidity box type guides, Max. rapid speed 20m/min
- Heavy-duty servo turret, fast tool change and accurate positioning
- Heavy load spindle designed for heavy cutting



	Unit	VT500	VT830
Max. swing over bed	mm	Φ610	Φ920
Max. turning length	mm	460	780
Max. turning diameter	mm	Φ500	Φ830
Max. swing over saddle	mm	Φ510	Φ740
Spindle nose	type	A2-8	A2-11
Max. load bearing of workpiece	kg	550	850
Spindle speed	rpm	3000	2000
Motor power	kW	18.5/22	22/30
Standard chuck diameter	inch	12"	15"
X-axis rapid feed	m/min	16	16
Z-axis rapid feed	m/min	16	16
X-axis travel	mm	270	490
Z-axis travel	mm	485	785
Standard turret type	T	12	8
Tool holder dimension	mm	25*25	32*32
Tool rotation time	S	0.65	1.2
Positioning accuracy	mm	0.01/0.02	0.01/0.02
Re-positioning accuracy	mm	0.004/0.006	0.004/0.006
Machine weight	kg	6000	9500
Machine dimensions	mm	1500*2265*3210	2020*3200*3640

Horizontal Machining Center

- Independent R&D, two series of positive T and inverted T structure
- Equipped with single/double work table and multiple specifications
- Strong scalability to meet the needs of different industries and fields for high processing performance
- Capable for processing needs which requires large-volume automated product lines



Inverted T type

Horizontal machining center

	Unit	HMC500A	HMC630A	HMC800A	HMC1000A	HMC1250A	HMC500P	HMC630P
Worktable size	mm	520*600	630*700	800*800	1000*1000	1250*1250	500*630	630*700
Max. load bearing of worktable	kg	900	1200	2000	2500	3000	600	900
Workpiece clamping type		24 x M16	24 x M16	5-22×160	7-22×125	7-22×125	24 x M16	24 x M16
number of worktable		1	1	1	1	1	2	2
Changing time of worktables	S	/	/	/	/	/	35	35
Rotary diameter of workpiece	φ	1380	1380	1700	2200	3200	950	950
3 axis travel X/Y/Z	mm	1050/750/900	1050/750/900	1300/1000/1000	2000/1000/1300	2400/1300/1300	1050/750/900	1050/750/900
Rapid feed speed (X/Y/Z)	m/min	24/24/24	24/24/24	24/24/24	20/20/20	20/20/20	24/24/24	24/24/24
Distance from spindle center to table surface	mm	120-870	120-870	0-1000	0-1000	140-1440	0-750	0-750
Distance from spindle nose to table surface	mm	130-1030	130-1030	200-1200	300-1600	450-1750	130-1030	130-1030
Spindle hole taper		BT50	BT50	BT50	BT50	BT50	BT50	BT50
Spindle power	kW	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5
Max. spindle speed	rpm	5300	5300	5300	5300	5300	6000	6000
Tool magazine capacity	T	24	24	24	24	24	24	24
Positioning accuracy	mm	0.01	0.01	0.012	0.012	0.012	0.01	0.01
Re-positioning accuracy	mm	0.006	0.006	0.008	0.008	0.008	0.006	0.006
B axis positioning accuracy		10"	10"	10"	10"	10"	10"	10"
B axis repositioning accuracy		5"	5"	2"	2"	2"	5"	5"
Machine dimension	mm	4900*3650*2970	4900*3650*2970	5300*3970*3300	6000*4500*3400	7000*5800*4000	5800*3200*2700	5800*3200*2700
Machine weight	T	12	12	15	18	22	14	14

Positive T type

Horizontal machining center

	Unit	HMC50	HMC63	HMC80	HMC100	HMC50P	HMC63P	HMC80P
Worktable size	mm	520*600	630*700	800*800	1000*1000	500*500	630*630	800*800
Max. load bearing of worktable	kg	900	1200	2000	2500	400	1200	2000
Workpiece clamping type		24×M16	24×M16	5-22×160	7-22×125	5-14×100	5-18×125	7-22×125
number of worktable		1	1	1	1	2	2	2
Changing time of worktables	S	/	/	/	/	14	16	18
Rotary diameter of workpiece	φ	1400	1400	1700	2000	720	1000	1300
3 axis travel X/Y/Z	mm	750/750/750	1050/750/900	1300/1000/1000	1600/1000/1200	750/750/750	1050/750/900	1300/1000/1000
Rapid feed speed (X/Y/Z)	m/min	32/32/32	32/32/32	24/24/24	24/24/24	32/32/32	32/32/32	24/24/24
Distance from spindle center to table surface	mm	120-870	120-870	20-1020	20-1020	100-850	50-800	120-1120
Distance from spindle nose to table surface	mm	130-1030	130-1030	200-1200	300-1500	130-1030	130-1030	200-1200
Spindle hole taper		BT50	BT50	BT50	BT50	BT50	BT50	BT50
Spindle power	kW	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5	15/18.5
Max. spindle speed	rpm	5300	5300	5300	5300	5300	5300	5300
Tool magazine capacity	T	24	24	24	24	24	24	24
Positioning accuracy	mm	0.01	0.01	0.012	0.012	0.01	0.01	0.012
Re-positioning accuracy	mm	0.006	0.006	0.008	0.008	0.006	0.006	0.008
B axis positioning accuracy		12"	12"	12"	12"	10"	10"	12"
B axis repositioning accuracy		5"	5"	2"	2"	2"	2"	2"
Machine dimension	mm	4950*3800*2980	4950*3800*2980	5300*4200*3270	5700*4600*3370	5850*3760*3100	5850*3760*3100	6900*4200*3500
Machine weight	T	12	12	15	18	14	14	18

Knee-type Milling Machine



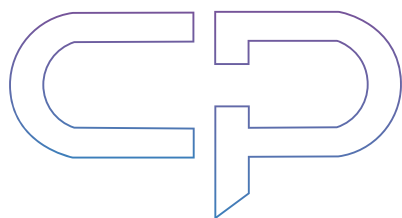
CNC Knee-type Milling Machine

	Unit	XK5042	XK6042	XK5032	XK6132	XK5030B
Worktable size	mm	420*1800	420*1800	320*1320	320*1320	300*1100
T slot （N*W*D）	mm	3-18*100	3-18*100	3-18*80	3-18*80	3-14*63
Max. load bearing of worktable	kg	750	750	500	500	280
Travel of worktable	mm	1100/400/375	1100/400/375	700/300/280	700/300/280	580/260/90
Spindle hole taper		7:24 No.50	7:24 No.50	7:24 No.50	7:24 No.50	7:24 No.40
Arbor diameter	mm		Φ50		Φ22 Φ27 Φ32	/
Max. spindle quill travel	mm	85	/	/	/	90
Distance from spindle end to worktable surface	mm	100 ~ 475	125 ~ 500 (spindle center)	100 ~ 380	110 ~ 390 (spindle center)	70 ~ 430
Distance from vertical guideway to spindle center	mm	520	/	380	/	290
Distance from vertical guideway to worktable center	mm	350 ~ 750	350 ~ 750	285 ~ 585	285 ~ 585	160 ~ 420
Distance from spindle center to arm	mm	/	200	/	155	/
Spindle speed steps	steps	18	18	18	18	inverter
Spindle speed range	r/min	30 ~ 1500	30 ~ 1500	30 ~ 1500	30 ~ 1500	200 ~ 2500
Main motor power	KW	11	11	7.5	7.5	4
Main motor rotating speed	r/min	960	960	960	960	5000
Feed speed range	mm/min	5 ~ 2000	5 ~ 2000	5 ~ 2000	5 ~ 2000	5 ~ 2000
	mm/min	5 ~ 2000	5 ~ 2000	5 ~ 2000	5 ~ 2000	5 ~ 2000
	mm/min	5 ~ 1000	5 ~ 1000	5 ~ 1000	5 ~ 1000	5 ~ 800
Rapid feed speed range:Longitudinal	mm/min	4000	4000	4000	4000	3000
Cross	mm/min	3000	3000	3000	3000	3000
Vertical	mm/min	2000	2000	2000	2000	1500
Positioning accuracy	mm	0.025	0.025	0.025	0.025	0.025
Re-positioning accuracy	mm	0.015	0.015	0.015	0.015	0.015
Machine dimension	mm	2500*2600*2300	2500*2600*2047	2245*1780*2050	2245*1780*1920	1500*1470*1800
Machine weight	kg	5100	5100	3300	3100	1800

Manual Knee-type Milling Machine

Main specifictions	Unit	X5032B	X5036	X5042	X6132B	X6036	X6142
Worktable Size	mm	320*1320	360*1600	420*1800	320*1320	360*1600	420*1800
T slots (N*W*D)	mm	3-18*80	3-18*80	3-18*90	3-18*80	3-18*80	3-18*90
Max. load bearing of worktable	kg	500	500	800	500	500	800
Longitudinal travel (Manual/Power)	mm	800/780	1020/1000	1200/1180	800/780	1020/1000	1200/1180
Cross travel (Manual/Power)	mm	300/280	300/280	360/350	300/280	300/280	360/350
Vertical travel (Manual/Power)	mm	410/400	410/400	470/450	410/400	410/400	470/450
Distance from spindle center to vertical guide way	mm	380	380	450	155	155	200
Distance from worktable center to vertical guide way	mm	235 ~ 535	235 ~ 535	275 ~ 655	235 ~ 535	235 ~ 535	280 ~ 650
Distance from spindle nose to worktable surface	mm	60 ~ 460	60 ~ 460	40 ~ 510	40 ~ 440	50 ~ 460	40 ~ 500
Spindle hole taper		7:24 No.50	7:24 No.50	7:24 No.50	7:24 No.50	7:24 No.50	7:24 No.50
Spindle speed steps	steps	18	18	18	18	18	18
Spindle speed range	r/min	30 ~ 1500	30 ~ 1500	30 ~ 1500	30 ~ 1500	30 ~ 1500	30 ~ 1500
Feed speed steps	steps	18	18	18	18	18	18
Feed speed range	mm/min	15 ~ 750 15 ~ 750 5.7 ~ 280	15 ~ 750 15 ~ 750 5.7 ~ 280	22 ~ 1100 22 ~ 1100 8.3 ~ 410	15 ~ 750 15 ~ 750 5.7 ~ 280	15 ~ 750 15 ~ 750 5.7 ~ 280	22 ~ 1100 22 ~ 1100 8.3 ~ 410
Rapid feed speed range	mm/min	2250/2250/844	2250/2250/844	2400/2400/900	2250/2250/844	2250/2250/844	2400/2400/900
Main motor power	KW	7.5	7.5	11	7.5	7.5	11
Feed motor power	KW	1.5	1.5	3	1.5	1.5	3
Machine dimension	mm	2307*1707*2096	2307*2067*2096	2522*2265*2432	2327*1792*1720	2327*2067*1720	2522*2262*2047
Machine weight	kg	3200	3370	4450	2850	2850	4200





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