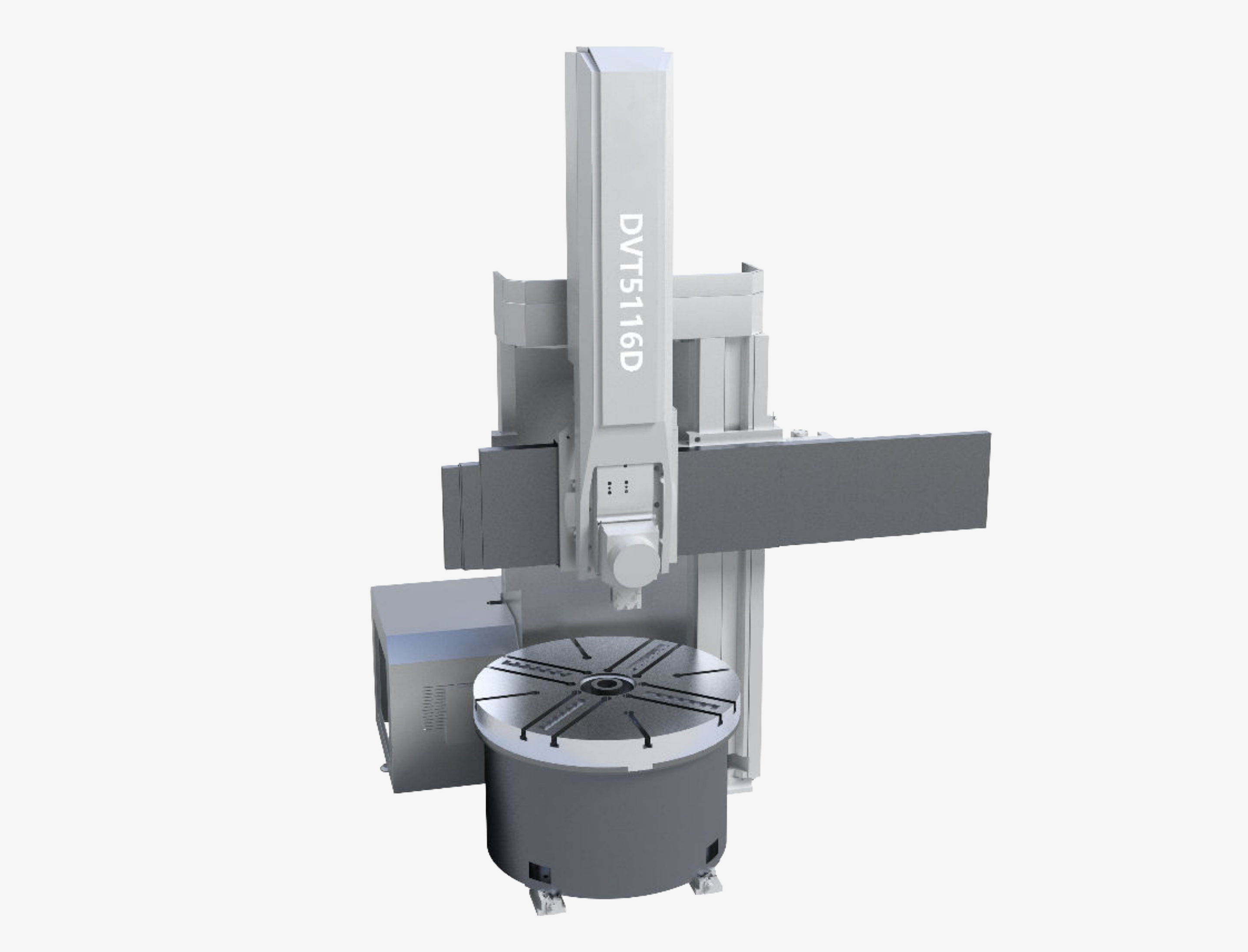
SEALION MACHINE

VERTICAL LATHE
VERTICAL TURNING CENTER

SHANGHAI SEALION MACHINE TOOL CO., LTD

YOUR MACHINE,MY MISSION!

DVT51 VERTICAL LATHE



Features

- Upgrade type from the conventional machine.
- Servo motor drive ballscrew through gearbox of X&Z axis.
- Upgraded PLC system control.
- Simple mechanical structure, easy to control and service.
- DRO system for X&Z axis, more easy for operating.

SPECIFICATIONS

Item	Unit	DVT5112D	DVT5116D	DVT5120D	DVT5123D	DVT5126D
Max Processing Diameter	mm	1250	1600	2000	2300	2600
Max Turning Diameter	mm	1270	1620	2020	2320	2620
Table Diameter	mm	1000	1000	1800	2000	2250
Max Processing Height	mm	1000	1000	1250	1350	1450
Max Processing Height Limit (OP)	mm	1250	1600	1800	1800	1650
Table Speed	r/min	6.3~200	5~160	3.2~100	3.2~100	2~63
Table Speed Steps	/	Level 16				
Table Speed Steps (Optional)	/	4-Speed Stepless/2-Speed Stepless				
Table Load	t	3.2	5	8	8	10
Table Load (OP)	t	5	8	10	10	16
Feeding Speed of Tool Post	mm/min	0.1~311（15 Steps）				
Rapid Speed of Tool Post	mm/min	2000				
Horizontal Travel of Tool Post(X)	mm	-50~750	-50~1000	-50~1150	-50~1350	-50~1450
Cross Beam Travel	mm	Max Processing Height -350				
Main Motor Power	kW	22	30	37	37	45
Main Motor Torque	KNm	10.5	17.9	35.3	35.3	68.2
Cross Beam Lifting Speed	mm/min	660				
Max Cutting Force of Vertical Tool Holder	Kn	20	25			
Machine Dimension (LxW)	mm	2930×2115	3200×2600	3570×2985	3950×3300	4350×3665
Machine Dimension with Cover (LxW)	mm	4000×3714	4700×3805	5200×4325	5700×4220	6500×4745
Min Height	mm	2900	3100	3500	3500	3900
Machine Weight	t	8	12.6	17	18	24
Accuracy Level	/	IT7				
Positioning Accuracy	mm	0.03/1000				
Repeatability Accuracy	mm	0.015/1000				
Reverse Deviation	mm	0.01/1000				

CK51D SERIES CNC VERTICAL LATHE

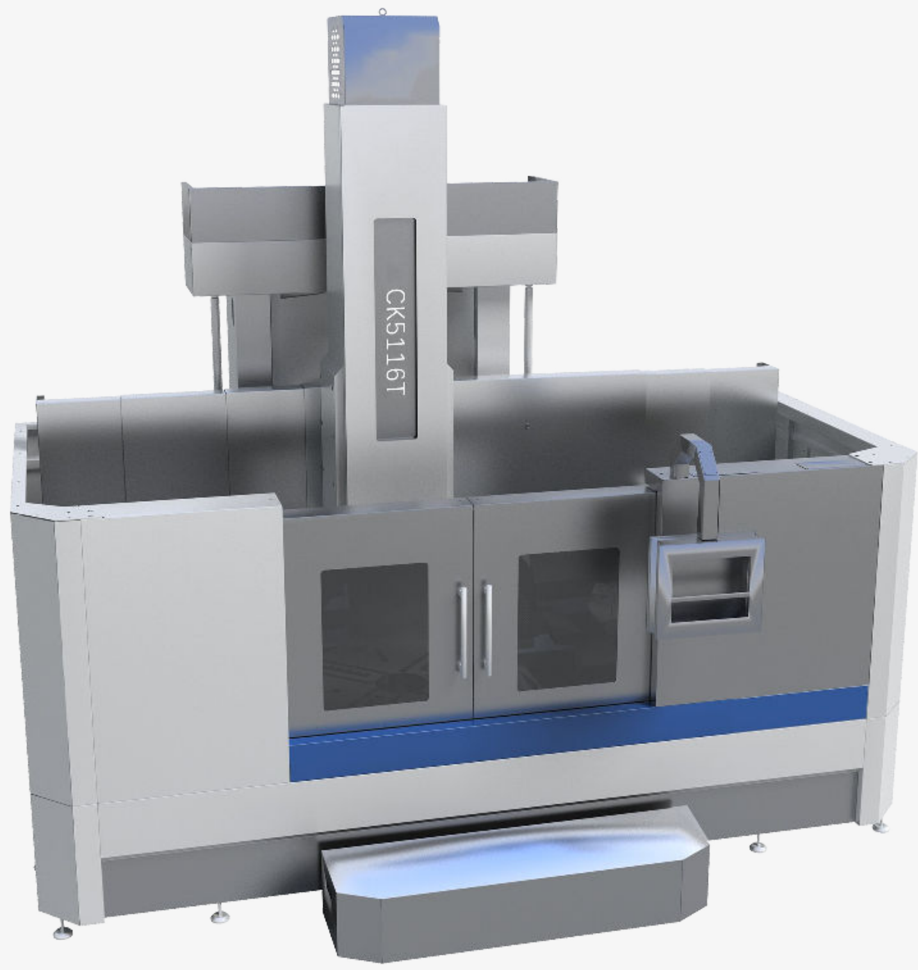
Features

- This series are double lift series and upgraded version of the CK51D series,absorbing all the advantages of the CK51D series.
- The crossbeam adopts dual screw driven lifting motion,and the bed guide rail is arranged in a thermally symmetrical structure.The cross beam maintains high parallelism accuracy the to worktable.
- Effectively improved the consistency of various accuracies of the worktable with the vertical tool holder at diferent positions on the cross beam.
- Effectively improved the consistency of various accuracies of the worktable with the vertical tool holder at different positions on the cross beam.
- The positioning and repeatability accuracy of the feed axis are improved.

SPECIFICATIONS

Item	Unit	CK5112D	CK5116D	CK5120D	CK5123D	CK5126D
Max Processing Diameter	mm	1250	1600	2000	2300	2600
Max Turning Diameter	mm	1270	1620	2020	2320	2620
Table Diameter	mm	1000	1400	1800	2000	2250
Max Processing Height	mm	1000	1000	1250	1350	1400
Max Processing Height Limit (OP)	mm	1250	1600	1800	1800	1650
Table Speed	r/min	6.3~200	5~160	3.2~100	3.2~100	2~63
Table Speed Steps	/	4-Speed Stepless				
Table Speed Steps(OP)	/	2-Speed Stepless				
Table Load	t	3.2	5	8	8	10
Table Load (OP)	t	5	8	10	10	16
Feeding Speed of Tool Post	mm/min	0.1~1000				
Rapid speed of Tool Post	mm/min	2000				
Horizontal Travel of Tool Post(X)	mm	-50~750	-50~1000	-50~1150	-50~1350	-50~1450
Cross Beam Travel	mm	Max Processing Height -350				
Main Motor Power	kW	22	30	37	37	45
Main Motor Torque	KNm	10.5	17.9	35.3	35.3	68.2
Beam Lifting Speed	mm/min	660				
Max Cutting Force of Vertical Tool Holder	Kn	20	25			
Machine Dimension (LxW)	mm	2930×2115	3200×2600	3570×2985	3950×3300	4350×3665
Machine Dimension with Cover (LxW)	mm	4000×3714	4700×3805	5200×4325	5700×4220	6500×4745
Min Height	mm	2900	3100	3500	3500	3900
Machine Weight	t	8	12.6	17	18	24
Accuracy Level	/	IT7				
Positioning Accuracy	mm	0.03/1000				
Repeatability Accuracy	mm	0.015/1000				
Reverse Deviation	mm	0.01/1000				

CK51T DOUBLE LIFTING SERIES



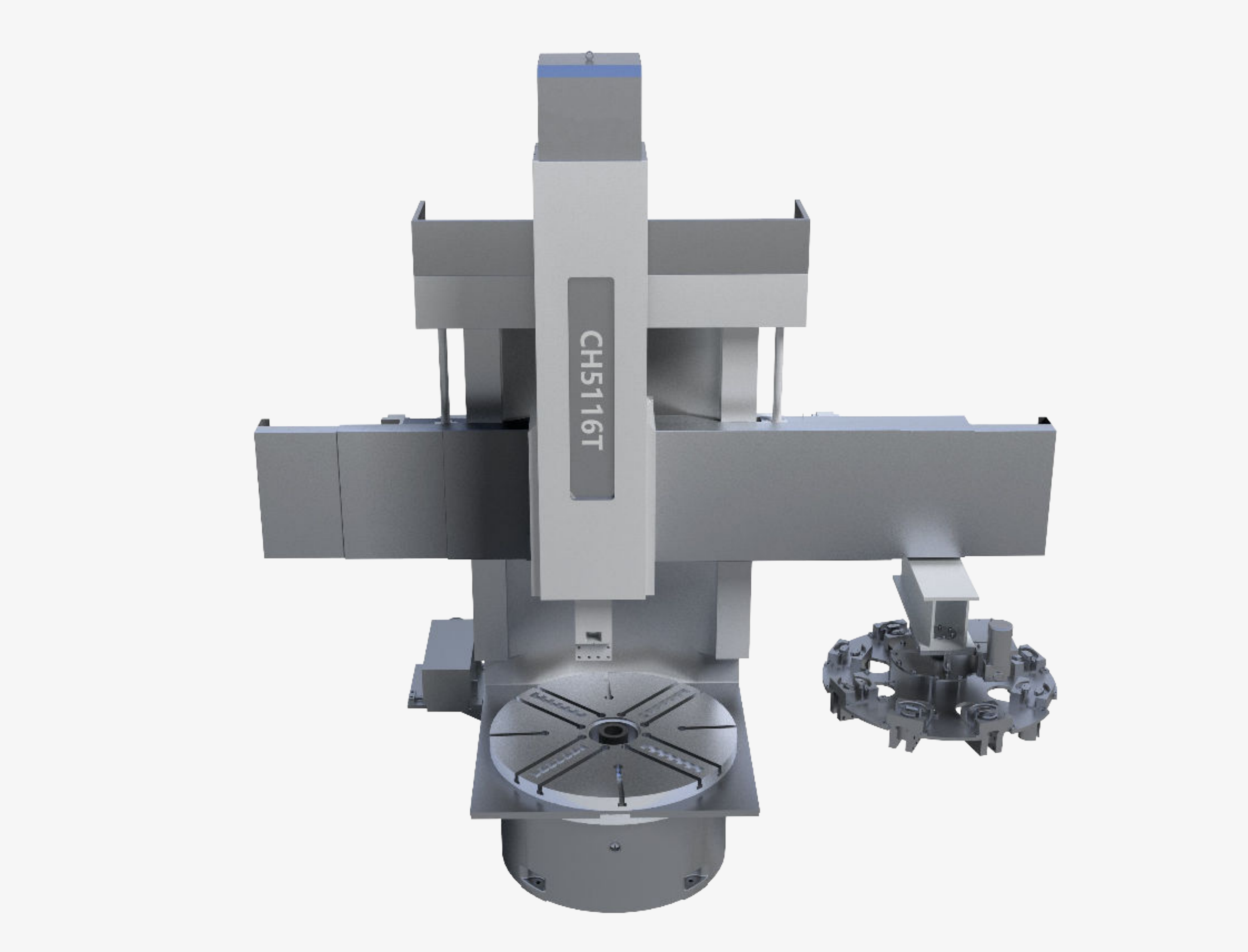
Features

- This series is a double lift series and an upgraded version of the CK51D series, absorbing all the advantages of the CK51T series.
- The crossbeam adopts dual screw driven lifting motion, and the bed guide rail is arranged in a thermally symmetrical structure. The crossbeam maintains high parallelism accuracy for the worktable.
- Effectively improved the consistency of various accuracies of the worktable with the vertical tool holder at different positions on the cross beam.
- The positioning and repeatability accuracy of the feed axis are improved.

SPECIFICATIONS

Item	Unit	CK5112T	CK5116T	CK5120T	CK5123T
Max Processing Diameter	mm	1250	1600	2000	2300
Max Turning Diameter	mm	1300	1700	2050	2370
Table Diameter	mm	1000	1400	1800	2000
Max Processing Height	mm	1000	1000	1250	1350
Max Processing Height Limit (OP)	mm	1250	1600	1800	1800
Table Speed	r/min	6.3~200	5~160	3.2~100	3.2~100
Table Speed Steps	/	4-Speed Stepless			
Table Speed Steps (OP)	/	2-Speed Stepless			
Table Load	t	3.2	5	8	8
Table Load (OP)	t	5	8	10	10
Rapid Speed of Tool Post	mm/min	0.1~1000			
Rapid Speed of Tool Post	mm/min	2000			
Horizontal Travel of Tool Post(X)	mm	-50~750	-50~1000	-50~1150	-50~1350
Cross Beam Travel	mm	Max Processing Height -350			
Main Motor Power	kW	22	30	37	37
Main Motor Torque	KNm	10.5	17.9	35.3	35.3
Beam Lifting Speed	mm/min	440			
Max Cutting Force of Vertical Tool Holder	Kn	20	25		
Machine Dimension (LxW)	mm	2930×2400	3600×2650	3950×2985	4700×3600
Machine Dimension with Cover (LxW)	mm	4000×3714	4700×3805	5200×4325	5700×4220
Min Height	mm	2900	3100	3500	3500
Machine Weight	t	16	19	22	24
Accuracy Level	/	IT7			
Positioning Accuracy	mm	0.025/1000			
Repeatability Accuracy	mm	0.01/1000			
Reverse Deviation	mm	0.012/1000			

CH51T DOUBLE LIFTING WITH ATC SERIES



Features

- This series is an extension of the CH51T series.
- 12 position ATC is avaliable on this series.
- Extended crossbeam, double screw and symmetrical guiderailstructure increase the stability of the crossbeam.
- The tool is T-shaped block cutting ,which is more suitable for turning function.

SPECIFICATIONS

Item	Unit	CH5112T	CH5116T	CH5120T	CH5123T
Max Processing Diameter	mm	1250	1600	2000	2300
Max Turning Diameter	mm	1300	1700	2050	2370
Table Diameter	mm	1000	1400	1800	2000
Max Processing Height	mm	1000	1000	1250	1350
Max Processing Height Limit (OP)	mm	1250	1600	1800	1800
Table Speed	r/min	6.3~200	5~160	3.2~100	3.2~100
Table Speed Steps	/	4-Speed Stepless			
Table Speed Steps (OP)	/	2-Speed Stepless			
Table Load	t	3.2	5	8	8
Table Load (OP)	t	5	8	10	10
Feeding Speed of Tool Post	mm/min	0.1~1000			
Rapid Speed of Tool Post	mm/min	2000			
Horizontal Travel of Tool Post(X)	mm	-50~750	-50~1000	-50~1150	-50~1350
Cross Beam Travel	mm	Max Processing Height -350			
Main Motor Power	kW	22	30	37	37
Main Motor Torque	KNm	10.5	17.9	35.3	35.3
Beam Lifting Speed	mm/min	440			
Max Cutting Force of Vertical Tool Holder	Kn	25			
Machine Dimension (LxW)	mm	3400×2400	4450×2650	4700×2985	5000×3600
Machine Dimension with Cover (LxW)	mm	4350×3714	5700×4100	5800×4325	6200×4220
Min Height	mm	2900	3100	3500	3500
Machine Weight	t	16	19	22	24
Accuracy Level	/	IT7			
Positioning Accuracy	mm	0.025/1000			
Repeatability Accuracy	mm	0.01/1000			
Reverse Deviation	mm	0.012/1000			

CKS51T HIGH SPEED DOUBLE LIFTING SERIES

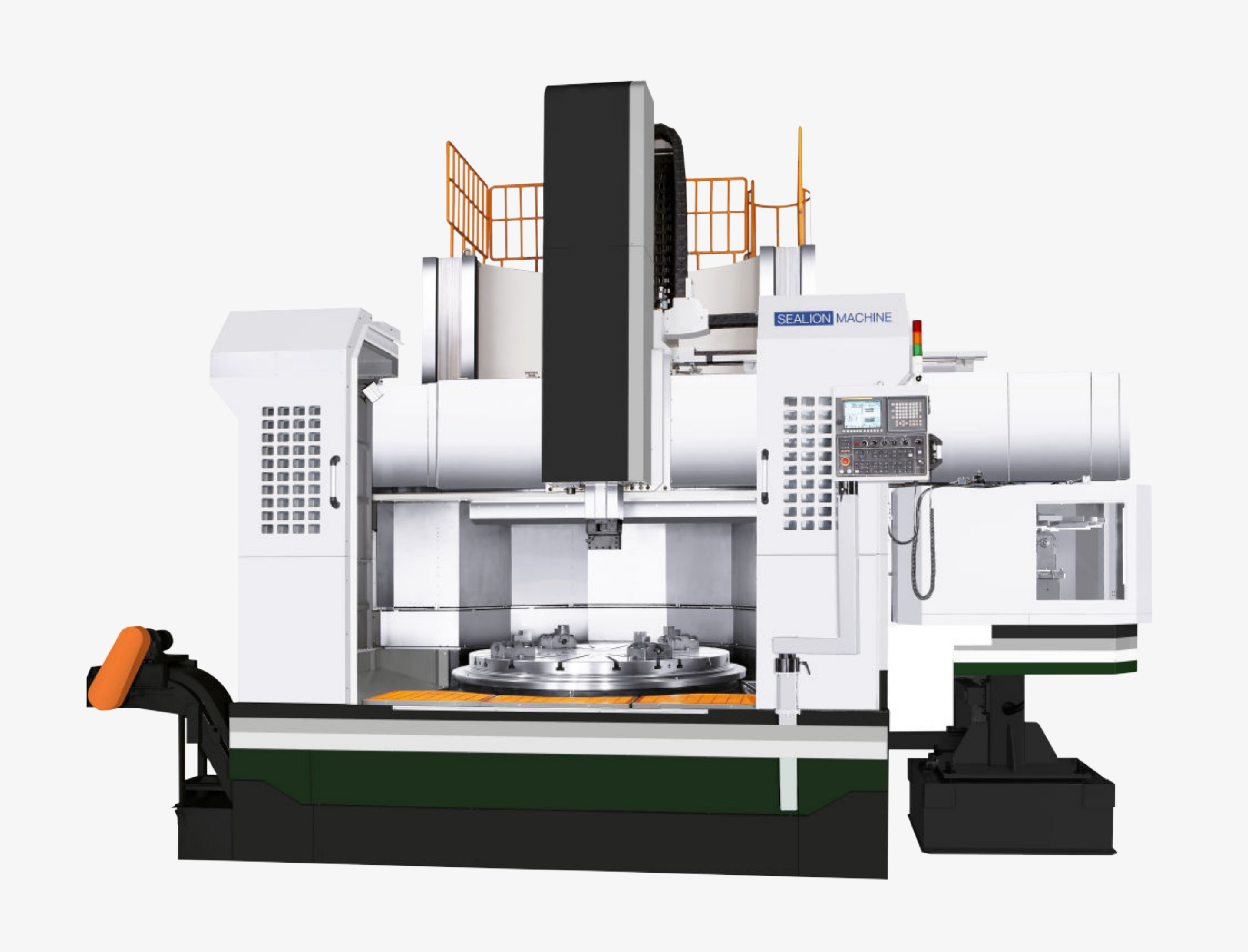
Features

- This series are double lift series and upgraded version of the CKS51T series,absorbing all the advantages of the CKS51T series.
- The crossbeam adopts dual screw driven lifting motion and the bed guide rail is arranged in a thermally symmetrical structure.The cross beam maintains high parallelism accuracy the to worktable.
- Effectively improved the consistency of various accuracies of the worktable with the vertical tool holder at diferent positions on the cross beam.
- Double speed gear box system.
- High speed rotary table, the grinding attachment can be your optional choice.
- Oil cooling and A/C system is standard on this series machines.

SPECIFICATIONS

Item	Unit	CKS5112T	CKS5116T	CKS5120T	CKS5123T
Max Processing Diameter	mm	1250	1600	2000	2300
Max Turning Diameter	mm	1270	1620	2020	2320
Table Diameter	mm	1000	1400	1800	2000
Max Processing Height	mm	1000	1000	1250	1350
Max Processing Height Limit (OP)	mm	1250	1600	1800	1800
Table Speed	r/min	6.3~320	5~260	3.2~220	3.2~200
Table Speed Steps	/	2-Speed Stepless			
Table Load	t	5	8	10	10
Feeding Speed of Tool Post	mm/min	0.1~1000			
Rapid Speed of Tool Post	mm/min	2000			
Horizontal Travel of Tool Post(X)	mm	-50~750	-50~1000	-50~1150	-50~1350
Cross Beam Travel	mm	Max Processing Height -350			
Main Motor Power	kW	22	30	37	37
Main Motor Torque	KNm	8.5	14.5	25	26
Beam Lifting Speed	mm/min	440			
Max Cutting Force of Vertical Tool Holder	Kn	20	25		
Machine Dimension (LxW)	mm	2930×2400	3600×2650	3950×2985	4700×3600
Machine Dimension with Cover (LxW)	mm	4000×3714	4700×3805	5200×4325	5700×4220
Min Height	mm	2900	3100	3500	3500
Machine Weight	t	18	21	24	26
Accuracy Level	/	IT7			
Positioning Accuracy	mm	0.025/1000			
Repeatability Accuracy	mm	0.01/1000			
Reverse Deviation	mm	0.012/1000			

CHS51T HIGH SPEED DOUBLE LIFTING WITH ATC



Features

- Double screw and symmetrical guide rail structure increase the stability of the crossbeam.
- The extended crossbeam provides conditions for the installation of the tool magazine, so this series can add a tool magazine.
- The column is located on the base of the table.
- Adopting a dual speed gearbox for variable speed transmission.
- Table is dynamic and static balanced.
- High speed rotary table, the grinding attachment can be your optional choice.
- Oil cooling and A/C system is standard on this series machines.

SPECIFICATIONS

Item	Unit	CHS5112T	CHS5116T	CHS5120T	CHS5123T
Max Processing Diameter	mm	1250	1600	2000	2300
Max Turning Diameter	mm	1270	1620	2020	2320
Table Diameter	mm	1000	1400	1800	2000
Max Processing Height	mm	1000	1000	1250	1350
Max Processing Height Limit (OP)	mm	1250	1600	1800	1800
Table Speed	r/min	6.3~320	5~260	3.2~220	3.2~200
Table speed steps	/	2-Speed Stepless with ZF gearbox			
Table Load (Rolling guideway)	t	5	8	10	10
Feeding speed of tool post	mm/min	0.1~1000			
Rapid Speed of tool post	mm/min	2000			
Horizontal Travel of Tool Post(X)	mm	-50~750	-50~1000	-50~1150	-50~1350
Cross Beam Travel	mm	Max Processing Height -350			
Main Motor Power	kW	22	30	37	37
Main Motor Torque	KNm	8.5	14.5	25	26
Cross Beam Lifting Speed	mm/min	440			
Max Cutting Force of Vertical Tool Holder	Kn	20	25		
Machine Dimension (LxW)	mm	3400×2400	3600×2650	4700×2985	5000×3600
Machine Dimension with Cover (LxW)	mm	4350×3714	4700×3805	5800×4325	6200×4220
Min Height	mm	2900	3100	3500	3500
Machine Weight	t	19	22	25	27
Accuracy Level	/	IT7			
Positioning Accuracy	mm	0.025/1000			
Repeatability Accuracy	mm	0.01/1000			
Reverse Deviation	mm	0.012/1000			

VL CNC VERTICAL TURNING & MILLING CENTER

Features

- This series is based on a dual lift high-speed vertical latheand coming with milling and drilling functions.
- The spindle adopts PSL roller bearing structure, which has higher precision and more compact structure.
- The C-axis indexing adopts dual servo motors for clearanceelimination, providing higher stability.
- C-axis indexing use encorder to improve indexing accuracy.The Caxis drive adopts an imported dual speed gearbox to provide greater driving force, with a low backlash structure to ensure indexing accuracy.
- SP axis drive adopts imported servo motor, providing greatertorque.SP axis is equipped with an encoder to ensure the accuracy of the milling head position.
- The tool magazine is with BT50 tool holders, for both turning and milling or drilling function.
- Unlike previous machining centers, the tool holder is fixed with endface keys to prevent rotation.The ram also equipped with 4 BURG cutting cylinders, which can grip powerful turning tools and effectively resist the torque caused by turning.
- Coolant through spindle.

SPECIFICATIONS

Item	Unit	VL1250	VL1600	VL2000
Max Processing Diameter	mm	1250	1600	2000
Max Turning Diameter	mm	1270	1620	2020
Table Diameter	mm	1000	1400	1800
Max Processing Height	mm	1000	1000	1250
Max Processing Height Limit (OP)	mm	1400	1600	1800
Table Speed	r/min	2~400	2~280	2~220
Table Speed Steps	/	2-Speed Stepless with ZF gearbox		
Max Table Load (Crossed roller bearings)	t	6	8	10
Feeding Speed of Tool Post	mm/min	0.1-2000		
Rapid Speed of tool post	mm/min	6000		
Horizontal Travel of Tool Post(X)	mm	-20~1400	-20~1650	-20~1800
Cross Beam Travel	mm	Max Processing Height -350		
Main Motor Power	Kw	22*2	30*2	37*2
Main Motor Torque	KNm	12	20	22
Cross Beam Lifting Speed	mm/min	440		
Max Cutting Force of Vertical Tool Holder	Kn	30		
Min Height	mm	2900	3100	3500
Machine Weight	t	24	27	30
Accuracy Level	/	IT6		
Positioning Accuracy	mm	0.02/1000		
Repeatability Accuracy	mm	0.01/1000		
Reverse Deviation	mm	0.01/1000		
Milling Spindle Motor Power	Kw	18.5		
Milling Spindle Speed	r/min	1500~2500		
Milling Spindle Torque	Nm	1000		
Indexing Positioning Accuracy	acrmin	10		
Indexing Repeat Positioning Accuracy	acrmin	8		
Tools	/	6 Turning + 6 Milling		
Max Weight of Tool Holder	Kg	60		
Max Size of Tool Holder	mm	280×150×380		
Tool Holder Type	/	BT50		
Section Size	mm	260×260		
Broach Cylinder Size(Turning)	/	Hydroduck40		
Milling Tool Size	/	BT50		

HT SERIES VERTICAL MACHINE CENTER

Features

- In line with international advanced structures, high-speed-vertical lathes.
- Can improve the surface smoothness of processed parts
- Indexing rotary table.
- BT50 type ATC system.
- C axis with milling and drilling function.
- The turning tool holder also has a BT50 interface.
- Compact structure.
- High processing accuracy.

SPECIFICATIONS

Item	Unit	HT1000/A	HT1000/ATC	HT1000/ATC+C
Table Diameter	mm	1000	1000	1000
Max Swing Diameter	mm	1350	1350	1350
Max Cutting Diameter	mm	1100	1100	1100
Max Cutting Height	mm	900	900	900
Max Table Load	kg	4000	4000	4000
X Travel	mm	-375~+720	-375~+700	-375~+700
Z Travel	mm	800	800	800
Cross Beam Travel	mm	500	500	500
Spindle Speed	min^{-1}	Low:1-160 High:160-600	Low:1-160 High:160-600	Low:1-160 High:160-600
Milling Spindle Speed	min^{-1}	--	--	Low:2-1200 High:1200-2400
Spindle Torque	Nm	8496（866）	8496（866）	8496（866）
X Rapid Speed	m/min	12		
Z Rapid Speed	m/min	10		
Feeding Speed	mm/min	1-2000		
Manual Feeding Speed	m/min	0-6		
Tool Capacity	/	--	12	
Tool Type	/	--	7/24 Taper BT-50	
Max Tool Length	mm	340	380	
Max Tool Weight	kg	50	50	
Max Tool Magazine Load	kg	--	360	
Tool Change Time	sec	5	40	
Tool Table Form	/	5 Degree Turret	--	
Tool Holder Size	mm	32×32(Φ63)	--	
Controller	kW	FANUC OI-TF		
Spindle Motor	kW	37/45(α40)	37/45(α40)	37/45(α40)
Milling Spindle Motor	kW	--	--	7.5/11(α8)
X Servo Motor	kW	6(α40i)		
Z Servo Motor	kW	6(α40i+β)		
CF Servo Motor	kW	--	--	6(α40i)
Cutting Fluid Motor	KVA	--	--	--
Power Demand	L	65	65	80
Hydraulic Tank	L	60	60	130
Coolant Tank	L	700		
Lubricating Oil Tank	L	4.6		
Machine Dimension	mm	4000×4800		
Machine Height	mm	4850		
Machine Weight	mm	20	20	21
X/Z Accuracy	mm	Positioning Accuracy:±0.007/500;Repet Accuracy:±0.005		
C Accuracy	/	Positioning Accuracy:±7.5″ /360°;Repet Accuracy:±5″		

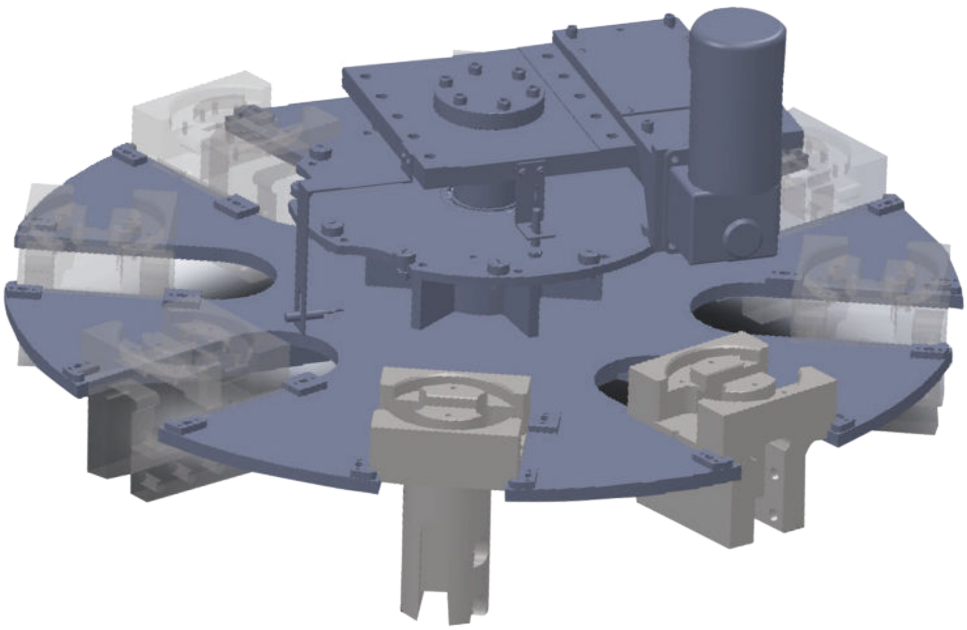
SPECIFICATIONS

Item	Unit	HT1200/A	HT1200/ATC	HT1200/ATC+C
Table Diameter	mm	1250	1250	1250
Max Swing Diameter	mm	1600	1600	1600
Max Cutting Diameter	mm	1350	1350	1350
Max Cutting Height	mm	1200	1200	1200
Max Table Load	kg	5000	5000	5000
X Travel	mm	-60；+1230	-50；+875	-50；+875
Z Travel	mm	900	900	900
Cross Beam Travel	mm	750	750	750
Spindle Speed	min^{-1}	Low:1-140 High:140-350	Low:1-140 High:140-350	Low:1-140 High:140-350
Milling Spindle Speed	min^{-1}	——	——	Low:2-1200 High:1200-2400
Spindle Torque	Nm	8607（878）	8607（878）	8607（878）
X Rapid Speed	m/min	12		
Z Rapid Speed	m/min	10		
Feeding Speed	mm/min	1-2000		
Manual Feeding Speed	m/min	0-6		
Tool Capacity	/	——	12	
Tool Type	/	——	7/24 Taper BT-50	
Max Tool Length	mm	340	380	
Max Tool Weight	kg	50	50	
Max Tool Magazine Load	kg	——	360	
Tool Change Time	sec	5	40	
Tool Table Form	/	5 Degree Turret	——	
Tool Holder Size	mm	32×32(Φ63)	——	
Controller	kW	FANUC OI-TF		
Spindle Motor	kW	37/45(α40)	37/45(α40)	37/45(α40)
Milling Spindle Motor	kW	——	——	7.5/11(α8)
X Servo Motor	kW	6(α40i)		
Z Servo Motor	kW	6(α40i)		
CF Servo Motor	kW	——	——	6(α40i)
Cutting Fluid Motor	KVA	1.5		
Power Demand	L	65		80
Hydraulic Tank	L	130		
Coolant Tank	L	570		
Lubricating Oil Tank	L	4.6		
Machine Dimension	mm	4600×5200		
Machine Height	mm	5400		
Machine Weight	mm	22	22	23
X/Z Accuracy	mm	Positioning Accuracy:±0.007/500;Repet Accuracy:±0.005		
C Accuracy	/	Positioning Accuracy:±7.5” /360°;Repet Accuracy:±5”		

SPECIFICATIONS

<table>
<tr><th>Item</th><th>Unit</th><th>HT1600/A</th><th>HT1600/ATC</th><th>HT1600/ATC+C</th></tr>
<tr><td>Table Diameter</td><td>mm</td><td>1600</td><td>1600</td><td>1600</td></tr>
<tr><td>Max Swing Diameter</td><td>mm</td><td>2000</td><td>2000</td><td>2000</td></tr>
<tr><td>Max Cutting Diameter</td><td>mm</td><td>1800</td><td>1800</td><td>1800</td></tr>
<tr><td>Max Cutting Height</td><td>mm</td><td>1200</td><td>1200</td><td>1200</td></tr>
<tr><td>Max Table Load</td><td>kg</td><td>8000</td><td>8000</td><td>8000</td></tr>
<tr><td>X Travel</td><td>mm</td><td>-50；+1500</td><td>-100；+1125</td><td>-100；+1125</td></tr>
<tr><td>Z Travel</td><td>mm</td><td>900</td><td>900</td><td>900</td></tr>
<tr><td>Cross Beam Travel</td><td>mm</td><td>750</td><td>750</td><td>750</td></tr>
<tr><td>Spindle Speed</td><td>min^{-1}</td><td>Low:1-62 High:62-250</td><td>Low:1-62 High:62-250</td><td>Low:1-62 High:62-250</td></tr>
<tr><td>Milling Spindle Speed</td><td>min^{-1}</td><td>——</td><td>——</td><td>Low:2-1200 High:1200-2400</td></tr>
<tr><td>Spindle Torque</td><td>Nm</td><td>19677（2007）</td><td>19677（2007）</td><td>19677（2007）</td></tr>
<tr><td>X Rapid Speed</td><td>m/min</td><td colspan="3">12</td></tr>
<tr><td>Z Rapid Speed</td><td>m/min</td><td colspan="3">10</td></tr>
<tr><td>Feeding Speed</td><td>mm/min</td><td colspan="3">1-2000</td></tr>
<tr><td>Manual Feeding Speed</td><td>m/min</td><td colspan="3">0-6</td></tr>
<tr><td>Tool Capacity</td><td>/</td><td>——</td><td colspan="2">12</td></tr>
<tr><td>Tool Type</td><td>/</td><td>——</td><td colspan="2">7/24 Taper BT-50</td></tr>
<tr><td>Max Tool Length</td><td>mm</td><td>340</td><td colspan="2">380</td></tr>
<tr><td>Max Tool Weight</td><td>kg</td><td>50</td><td colspan="2">50</td></tr>
<tr><td>Max Tool Magazine Load</td><td>kg</td><td>——</td><td colspan="2">360</td></tr>
<tr><td>Tool Change Time</td><td>sec</td><td>5</td><td colspan="2">40</td></tr>
<tr><td>Tool Table Form</td><td>/</td><td>5 Degree Turret</td><td colspan="2">——</td></tr>
<tr><td>Tool Holder Size</td><td>mm</td><td>32×32(Φ63)</td><td colspan="2">——</td></tr>
<tr><td>Controller</td><td>kW</td><td colspan="3">FANUC OI-TF</td></tr>
<tr><td>Spindle Motor</td><td>kW</td><td>37/45(α40)</td><td>37/45(α40)</td><td>37/45(α40)</td></tr>
<tr><td>Milling Spindle Motor</td><td>kW</td><td>——</td><td>——</td><td>7.5/11(α8)</td></tr>
<tr><td>X Servo Motor</td><td>kW</td><td colspan="3">6(α40i)</td></tr>
<tr><td>Z Servo Motor</td><td>kW</td><td colspan="3">6(α40i)</td></tr>
<tr><td>CF Servo Motor</td><td>kW</td><td>——</td><td>——</td><td>6(α40i)</td></tr>
<tr><td>Cutting Fluid Motor</td><td>KVA</td><td colspan="3">1.5</td></tr>
<tr><td>Power Demand</td><td>L</td><td colspan="2">65</td><td>80</td></tr>
<tr><td>Hydraulic Tank</td><td>L</td><td colspan="3">130</td></tr>
<tr><td>Coolant Tank</td><td>L</td><td colspan="3">550</td></tr>
<tr><td>Lubricating Oil Tank</td><td>L</td><td colspan="3">4.6</td></tr>
<tr><td>Machine Dimension</td><td>mm</td><td colspan="3">5550×5530</td></tr>
<tr><td>Machine Height</td><td>mm</td><td colspan="3">5400</td></tr>
<tr><td>Machine Weight</td><td>mm</td><td>24</td><td>24</td><td>25</td></tr>
<tr><td>X/Z Accuracy</td><td>mm</td><td colspan="3">Positioning Accuracy:±0.007/500;Repet Accuracy:±0.005</td></tr>
<tr><td>C Accuracy</td><td>/</td><td colspan="3">Positioning Accuracy:±7.5″/360°;Repet Accuracy:±5″</td></tr>
</table>

ATC SYSTEM



Features

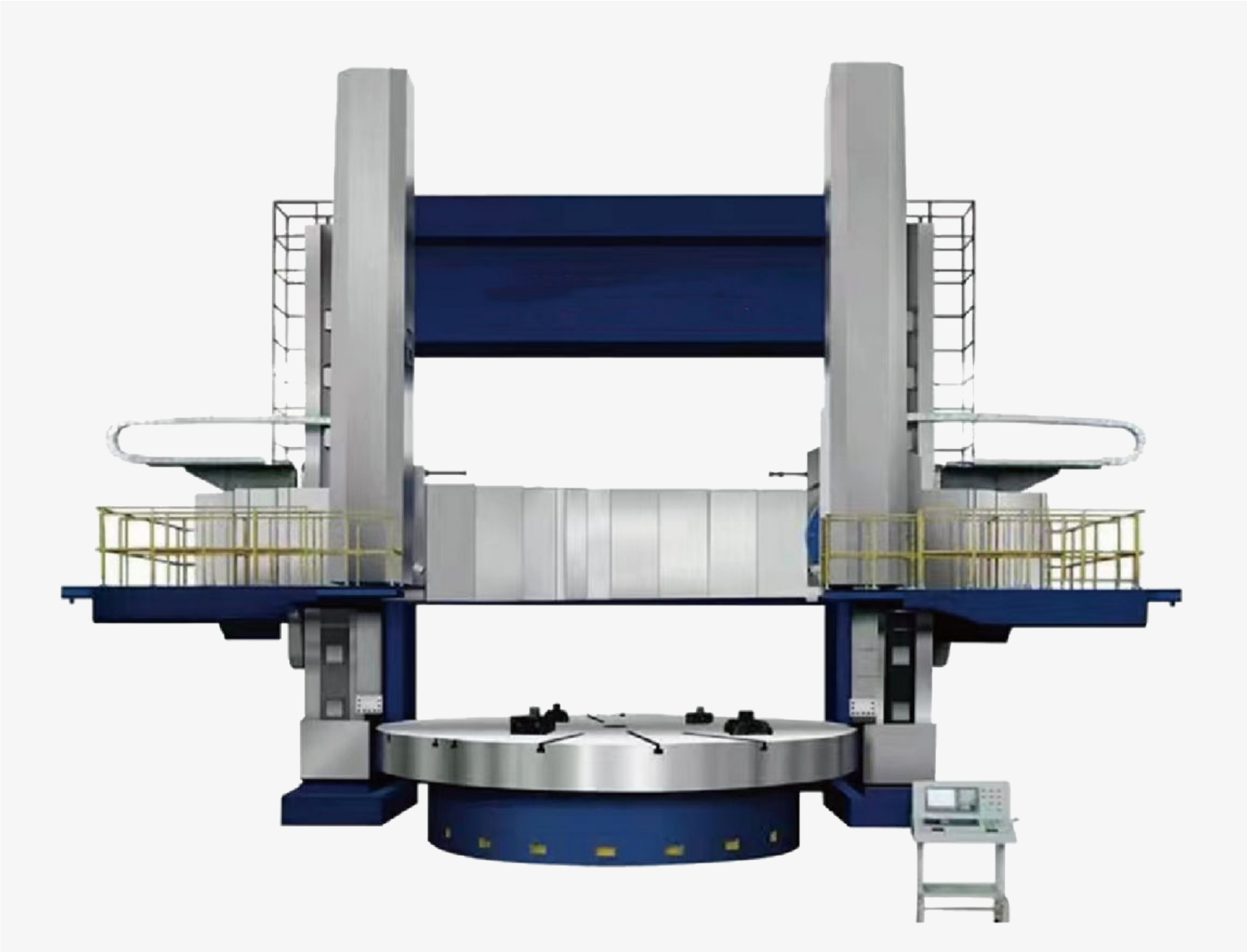
- Forged steel square sliding structure.
- The square slider is equipped with aT-shapedblock.
- Hydraulic motor drive.
- T-shaped friction pair transmission.

Item		Unit	CK5112D(T)	CK5116D(T)	CK5120D(T)	CK5123D(T)
Square Ram T-shaped Block Pulling Mechanism	Vertical Travel	mm	900			
	Optional Travel	mm	1000			
				1200		
				1400		
	Tool Clamp Size（H×W）	mm	40×40			
	Tool Holder Size（H×W）	mm	32×32			
	Ram Size	mm	200×200			
Tools	Position		8			

TOOL HOLDER TYPE

Item		Unit	CK5112D(T)	CK5116D(T)	CK5120D(T)	CK5123D(T)	CK5126D
Square Ram T-shaped Block Pulling Mechanism	Vertical Travel	mm	800				1000
	Optional Travel	mm	1000				1250
				1200			1400
				1400			1600
	Tool Clamp Size（H×W）	mm		1600			
	Tool Holder Size（H×W）	mm	40×40				50×40
	Ram Size	mm	240×180				250×200 1600 Travel:240×180
Manual Pentagonal Knife Table Structure Vertical Tool Holder	Vertical Travel	mm	650	800			1000
	Optional Travel		800	1000			1000
	Tool Clamp Size（H×W）	mm	30×40				
	Tool Holder Size（H×W）	mm	18×18				
	Ram Size		300×180	320×195			380×200
Auto 4，6 Position Vertical Tool Holder	Vertical Travel	mm	650	800			1000
	Optional Travel		800	1000			1250
	Tool Clamp Size（H×W）	mm	40×40				
	Tool Holder Size（H×W）	mm	18×18				
	Ram Size		300×180	320×195			380×200

DVT5225D DOUBLE COLUMN VERTICAL LATHE



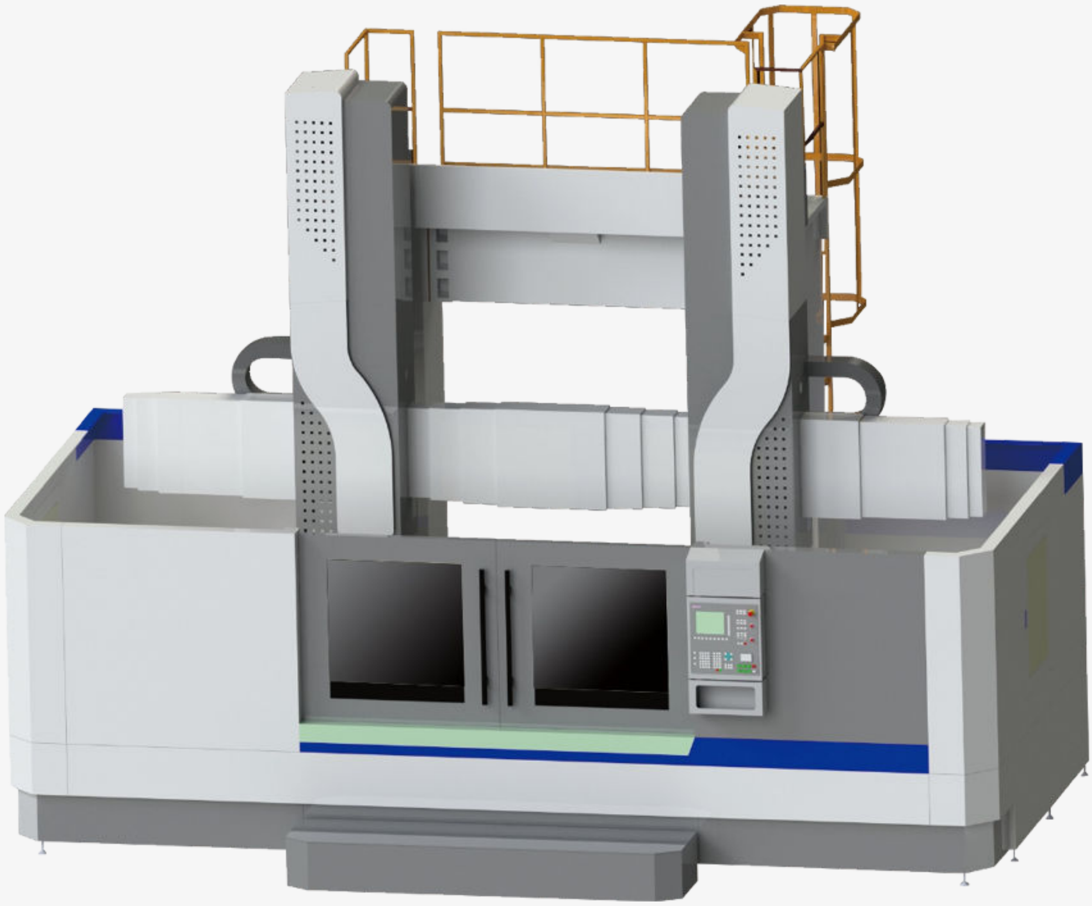
Features

- This series of machine tools is an upgraded version of ordinary vertical lathes, retaining the original gantry frame and worktable main transmission, instead of the traditional trapezoidal screw and self-made gear feed box.
- lt is upgraded to a servo feed motor with planetary reducer and ball screw transmission. Make the structure simpler, the operation more convenient, and the low failure rate.
- This type of machine tool is widely used in industries such as machinery, mining and metallurgy, automotive, and power.
- lt has the characteristics of stable accuracy, easy operation, safety and reliability and long service life.

SPECIFICATIONS

Item	Unit	DVT5225D	DVT5231D	DVT5235D	DVT5240D	DVT5243D	DVT5250D
Max Turning Diameter	mm	2500	3150	3500	4000	4300	5000
Table Diameter	mm	2250	2250/2830	2250/2830/3200	2830/3000/3200/3400/3500/3600		4500/4700
Max Workpiece Height	mm	1600/2000/2200/2500			1600/2000/2200/2500/2800/3000/3150		2000/2500/2800/3000/3150
Max Workpiece Weight	kg	10000/16000/20000	10000/16000/20000/32000		10000/16000/20000/32000/40000		40000/50000
Right Tool Holder Horizontal Travel	mm	-50-1500	-50-1800	-50-2100	-50-2300	-50-2500	-50-2750
Right Tool Post Vertical Travel	mm	1000/1250/1400/1500/1600			1000/1250/1400/1500/1600/1800		1250/1400/1600/1800/2000
Left Tool Post Horizontal Travel	mm	-50-1500	-50-1800	-50-2100	-50-2300	-50-2500	-50-2750
Left Tool Post Vertical Travel	mm	1000/1250/1400/1500/1600			1000/1250/1400/1500/1600/1800		1250/1400/1600/1800/2000
Table Speed	r/min	2-63			2-63/0.5-40		0.5-40
Table Speed Steps	/	Level 16/2 Step Stepless/4 Step Stepless					2 Step Stepless
Feed Speed of Tool Post	mm/min	0.1~500					
Rapid Speed of Tool Post	mm/min	2000					
Max Torque	KNm	63					100
Right Tool Post Cutting Force	KN	35					50
Left Tool Post Cutting Force	KN	28					35
Cross Beam Travel	mm	1250/1650/1850/2150			1250/1650/1850/2150/2450/2800		
Cross Beam Lifting Speed	mm/min	350					
Cross Beam Lifting Motor Power	KW	11			11/15		15
CNC System	/	Siemens/Fanuc					
Main Motor Power	Kw	55kW(AC Regular)/55kW(OP AC Servo)					75kW(AC Servo)
Tool Post Dimension(H×W)	mm	50×40/40×40					
Tool Post Movement Angle	°	±30					
Tool Post Type	/	Square Ram/T Ram/Manual Pentagonal Tool					Square Ram
Table Guideline Type	/	Dynamic Guideway/Static Guideway					Static Guideway
Ram Size	mm	Square Ram240×240/T Ram255×200/Manual Pentagonal Tool 380×195					Square Ram240×240,280×280
Machine Dimension (LxW)	mm	5800×5500	6500×6000	7000×6100	7500×6300	7900×6700	8800×7400
Cooling+Chip Conveyor+Cover	/	Optional					
X/Z Positioning Accuracy	mm	/					
X/Z Repeatability Accuracy	mm	/					
X/Z Reverse Deviation	mm	/					
Processing Accuracy	/	IT7					
Machine Weight	t	34-42	39-45	42-58	43-63	45-65	67-80

CK5225D VERTICAL LATHE



Features

- This series of CNC vertical lathes is an advanced equipment with excellent performance, wide process range, and high production efficiency. On the basis of drawing on advanced machine tool design and manufacturing, adopting the latest design concepts, combined with years of production and manufacturing experience of the enterprise. A series of precision machining equipment that integrates mechanical, electrical and hydraylic processes. This product is mainly suitable for high-speed steel, hard alloy cutting tools, and ceramic cutting tools, for rough and precision turning of inner and outer cylindrical surfaces, inner and outer conical surfaces, threads and circular arc surfaces of black metals, non-ferrous metals, and some non-metallic parts.

- The column adopts a closed structure of gantry frame, and through finite element analysis calculation.

- A long spindle structure is fitted on these sereis of machines. Two sets of NN3000K double row cylindrical roller bearings are assembled under the table. The table guideway adopts dynamic pressure guide rail or hydrostatic guideway, ensuring that the machine tool has high rotary accuracy and sufficient rigidity, strength, and thermal stability.

- The horizontal guideway of the tool post using unloading guideway. sliding guideway or constant hydrostatic guideway and the vertical movement adopts sliding guideway.

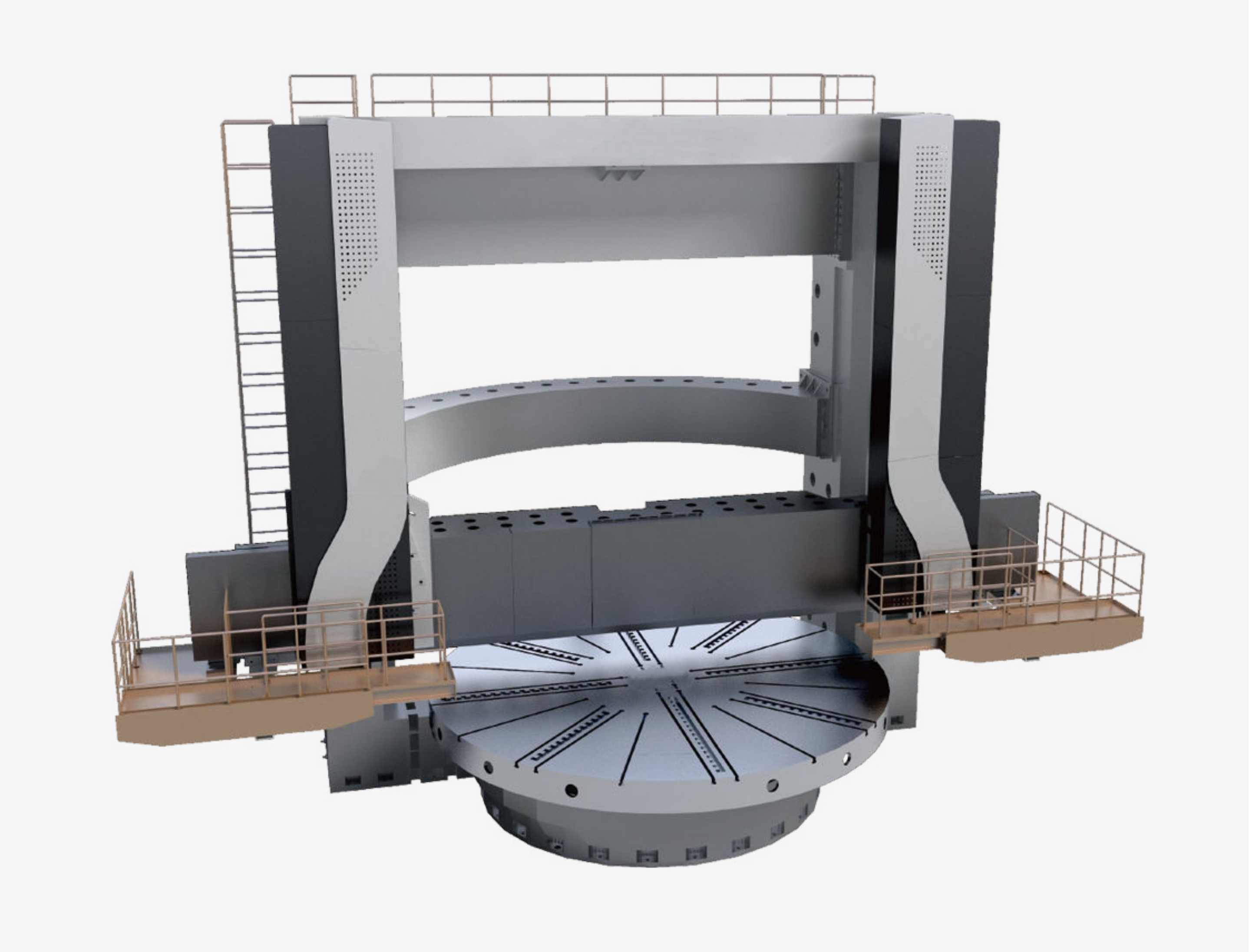
- The main transmission adopts a horizontal gearbox, which achieves the speed range of the worktable through a two speed, four speed, or 16 speed transmission mechanism.

- Various options for your selection, closed-loop control, grinding function, internal tool setting device, coolant device and other functional components can be provided.

SPECIFICATIONS

Item	Unit	CK5225D	CK5231D	CK5235D	CK5240D	CK5243D
Max Cutting Diameter	mm	2500	3150	3500	4000	4300
Table Diameter	mm	2250	2250/2830	2250/2830/3200	2830/3000/3200/3400/3500/3600	
Max Workpiece Height	mm	1600/2000/2200/2500			1600/2000/2200/2500/2800/3000/3150	
Max Workpiece Weight	kg	10000/16000/20000		10000/16000/ 20000/32000	10000/16000/20000/32000/40000	
Right Tool Holder Horizontal Travel	mm	-50-1500	-50-1800	-50-2100	-50-2300	-50-2500
Right Tool Holder Vertical Travel	mm	1000/1250/1400/1500/1600			1000/1250/1400/1500/1600/1800	
Left Tool Holder Horizontal Travel	mm	-50-1500	-50-1800	-50-2100	-50-2300	-50-2500
Left Tool Holder Vertical Travel	mm	1000/1250/1400/1500/1600			1000/1250/1400/1500/1600/1800	
Table Speed	r/min	2-63			2-63/0.5-40	
Table Type	/	Level 16/2 Step Stepless/4 Step Stepless				
Feed Speed	mm/min	Left 0.1~500（Progammable） Right 0.1~1000				
Rapid Speed	mm/min	Left 2000 Right 2000				
Max Torque	KNm	63				
Right Tool Holder Cutting Force	KN	35				
Left Tool Holder Cutting Force	KN	28				
Beam Travel	mm	1250/1650/1850/2150			1250/1650/1850/2150/2450/2800	
Beam Lifting Speed	mm/min	350				
Beam Lifting Motor Power	KW	11			11/15	
CNC System	/	Siemens/Fanuc/Guangshu				
Main Motor Power	Kw	55(RegularAC)/55(OP Servo AC)				
Tool Holder Dimension(H×W)	mm	50×40/40×40				
Tool Holder Movement Angle	°	Left Programmable Control: ±30				
Tool Post Type	/	Square Ram/T Ram/Right Electric Tool（4/5/6 Position）/Manual Pentagonal Tool				
Table Guideline Type	/	Dynamic Guideway/Static Guideway				
Ram Size	mm	Square Ram240×240/T Ram255×200 /Right Electric Tool 440×200/Manual Pentagonal Tool 380×195				
Machine Dimension (LxW)	mm	5800×5500	6500×6000	7000×6100	7500×6300	7900×6700
Cooling+Chip Conveyor+Cover	/	Optional				
X/Z Positioning Accuracy	mm	0.025/1000				
X/Z Repeatability Accuracy	mm	0.010/1000				
X/Z Reverse Deviation	mm	0.013/1000				
Processing Accuracy	/	IT7				
Machine Weight	t	35-42	39-45	42-58	43-63	45-65

CK5250D CNC DOUBLE COLUMN VERTICAL LATHE



Features

- This series of vertical lathes can be used with high-speed steel tools, carbide tools and ceramic tools for roughing and finishing of internal and external cylindrical surfaces, internal and external conical surfaces, threads, and arcs of ferrous, non-ferrous and some non-metallic metals.
- The table and table base are cast in one piece with thermo-symmetric mechanism. The table adopts short spindle structure and is equipped with a set of NN3000K double-row short cylindrical roller bearings on the spindle, the inner ring of which is with 1:12 taper, which can be adjusted to ensure the high precision rotary of the table by adjusting the clearance of the bearings, and it has a long working life.
- The flat circular guideway of the working table adopts constant flow hydrostatic composite guideway, and the pressure oil is injected into the oil cavity by the high-precision equal oil volume gear oil distributor, which ensures that the required oil film thickness and axial runout precision are achieved under the load of the working table. Thrust bearings with preload are installed on the spindle. To ensure the oil film stiffness and small end runout of hydrostatic guideway.
- The main drive of the machine is driven by a vertical AC servo motor, which in turn passes through a vertical two-speed gearbox. The gearbox adopts helical gear transmission, and the gears are hardened and grinded to obtain high transmission accuracy and efficiency, and reduce transmission vibration and noise.

SPECIFICATIONS

Item	Unit	CK5250D	CK5258D	CK5263D	CK5272D	CK5280D	CK52100D
Max Cutting Diameter	mm	5000	5800	6300	7200	8000	10000
Table Diameter	mm	4500/4700	4500/4700/5000	5700	5700/6350	7100	7100/8000
Max Workpiece Height	mm	2000/2500/2800/3000/3150				3000/3150/3500/4000	3000/3150/3500/4000/4500
Max Workpiece Weight	kg	40000/50000	40000/50000	50000/60000/80000		80000/100000/125000	80000/100000/125000/150000
Right Tool Holder Horizontal Travel	mm	-50-2750	-50-3150	-50-3550	-50-3850	-50-4400	-50-5400
Right Tool Holder Vertical Travel	mm	1250/1400/1600/1800/2000				1600/1800/2000/2200	1600/1800/2000/2200/2500
Left Tool Holder Horizontal Travel	mm	-50-2750	-50-3150	-50-3550	-50-3850	-50-4400	-50-5400
Left Tool Holder Vertical Travel	mm	1250/1400/1600/1800/2000				1600/1800/2000/2200	1600/1800/2000/2200/2500
Table Speed	r/min	0.5-40	0.5-40	0.32-32		0.2-20	
Table Type	/	2 Speed Stepless					
Feed Speed	mm/min	Left 0.1~500（Progammable） Right 0.1~1000					
Rapid Speed	mm/min	Left 2000 Right 2000					
Max Torque	KNm	100	100	200		400	600
Right Tool Holder Cutting Force	KN	50	50	63		80	
Left Tool Holder Cutting Force	KN	35	35	50		60	
Cross Beam Travel	mm	1650/2150/2450/2650/2800				2650/2800/3150 3650	2250/2400/2750 3250/3750
Cross Beam Lifting Speed	mm/min	310					
Cross Beam Lifting Motor Power	KW	15	15	30		45	55
CNC System	/	Siemens/Fanuc/Guangshu					
Main Motor Power	Kw	75(AC Servo)	75(AC Servo)	90(AC Servo)	110(AC Servo)	132(AC Servo)	
Tool Holder Dimension(H×W)	mm	50×50	50×50	50×50/60×60		60×60/70×70	
Tool Holder Movement Angle	°	——					
Tool Holder Type	/	Square Ram					
Table Guideline Type	/	Hydrostatic Guideway					
Ram Size	mm	Square Ram 240×240 Square Ram280×280				Square Ram320×320	
Machine Dimension (LxW)	mm	8800×7400	9600×7400	11000×10000	15000×10000	17500×12000	19600×12000
Cooling+Chip Conveyor+Cover	/	Optional					
X/Z Positioning Accuracy	mm	0.025/1000					
X/Z Repeatability Accuracy	mm	0.010/1000					
X/Z Reverse Deviation	mm	0.013/1000					
Processing Accuracy	/	IT7					
Machine Weight	t	67-80	75-85	115-195	180-260	210-350	330-420

CK5225E DOUBLE COLUMN VERTICAL LATHE

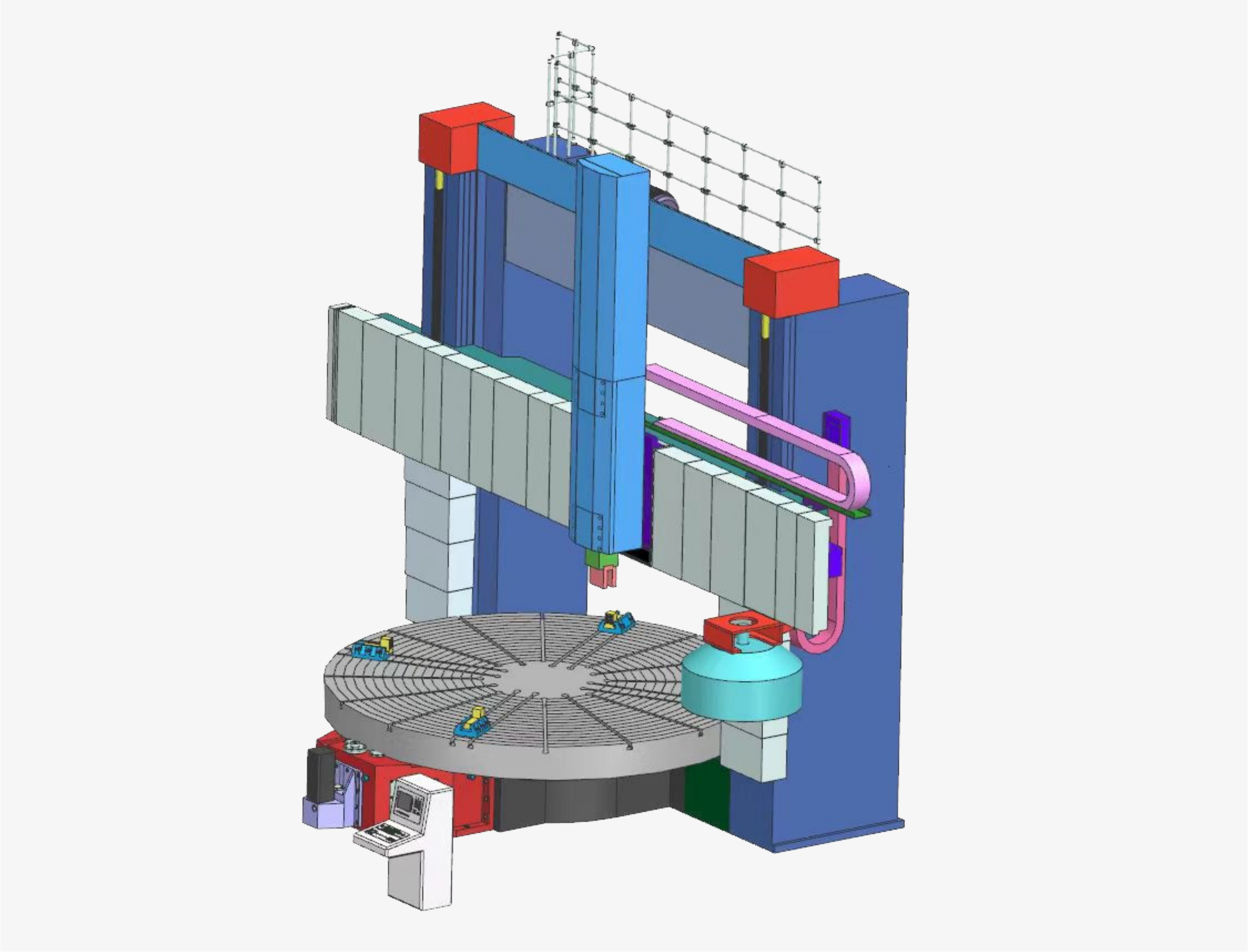
Features

- This series machine is upgraded from CK52D series.
- The table and table base are cast in one piece with thermo-symmetric mechanism. The table adopts short spindle structure and is equipped with a set of NN3000K double-row short cylindrical roller bearings on the spindle, the inner ring of which is with 1:12 taper, which can be adjusted to ensure the high precision rotary of the table by adjusting the clearance of the bearings, and it has a long working life.
- The flat circular guideway of the working table adopts constant flow hydrostatic composite guideway, and the pressure oil is injected into the oil cavity by the high-precision equal oil volume gear oil distributor, which ensures that the required oil film thickness and axial runout precision are achieved under the load of the working table. Thrust bearings with preload are installed on the spindle. To ensure the oil film stiffness and small end runout of hydrostatic guideway.
- The main drive of the machine is driven by a vertical AC servo motor, which in turn passes through a vertical two-speed gearbox. The gearbox adopts helical gear transmission, and the gears are hardened and grinded to obtain high transmission accuracy and efficiency, and reduce transmission vibration and noise.

SPECIFICATIONS

Item	Unit	CK5225E	CK5231E	CK5235E	CK5240E	CK5243E
Max Cutting Diameter	mm	2500	3150	3500	4000	4300
Table Diameter	mm	2250	2250/2830	2250/2830/3200	2830/3000/3200/3400/3500/3600	
Max Workpiece Height	mm	1600/2000/2200/2500			1600/2000/2200/2500/2800/3000/3150	
Max Workpiece Weight	kg	16000/20000	16000/20000/32000		16000/20000/32000/ 40000	16000/20000/32000/ 40000
Right Tool Holder Horizontal Travel	mm	-50-1500	-50-1800	-50-2100	-50-2300	-50-2500
Right Tool Holder Vertical Travel	mm	1000/1250/1400/1500/1600			1000/1250/1400/1500/1600/1800	
Left Tool Holder Horizontal Travel	mm	-50-1500	-50-1800	-50-2100	-50-2300	-50-2500
Left Tool Holder Vertical Travel	mm	1000/1250/1400/1500/1600			1000/1250/1400/1500/1600/1800	
Table Speed	r/min	2-63				2-63/0.5-40
Table Type	/	2 Step Stepless				
Feed Speed	mm/min	Left 0.1~500（Progammable） Right 0.1~1000				
Rapid Speed	mm/min	Left 2000 Right 2000				
Max Torque	KNm	63				
Right Tool Holder Cutting Force	KN	35				
Left Tool Holder Cutting Force	KN	28				
Beam Travel	mm	1250/1650/1850/2150			1250/1650/1850/2150/2450/2800	
Beam Lifting Speed	mm/min	350				
Beam Lifting Motor Power	KW	11			11/15	
CNC System	/	Siemens/Fanuc/Guangshu				
Main Motor Power	Kw	55(AC Servo)				75(AC Servo)
Tool Holder Dimension(H×W)	mm	50×40/40×40				
Tool Holder Movement Angle	°	Left Programmable Control：±30				
Tool Holder Type	/	Square Ram/T Ram/Right Electric Tool（4/5/6 Position）/Manual Pentagonal Tool				
Table Guideline Type	/	Static Guideway				
Ram Size	mm	Square Ram240×240/T Ram255×200 /Right Electric Tool 440×200/Manual Pentagonal Tool 380×195				
Machine Dimension (LxW)	mm	5800×5500	6500×6000	7000×6100	7500×6300	7900×6700
Cooling+Chip Conveyor+Cover	/	Optional				
X/Z Positioning Accuracy	mm	0.025/1000				
X/Z Repeatability Accuracy	mm	0.010/1000				
X/Z Reverse Deviation	mm	0.013/1000				
Processing Accuracy	/	IT7				
Machine Weight	t	35-42	39-45	42-58	43-63	45-65

CH SERIES MACHINE WITH ATC



Features

- This series of vertical lathes can be used with high-speed steel tools, carbide tools and ceramic tools for roughing and finishing of internal and external cylindrical surfaces, internal and external conical surfaces, threads, and arcs of ferrous, non-ferrous and some non-metallic metals.
- The table and table base are cast in one piece with thermo-symmetric mechanism. The table adopts short spindle structure and is equipped with a set of NN3000K double-row short cylindrical roller bearings on the spindle, the inner ring of which is with 1:12 taper, which can be adjusted to ensure the high precision rotary of the table by adjusting the clearance of the bearings, and it has a long working life.
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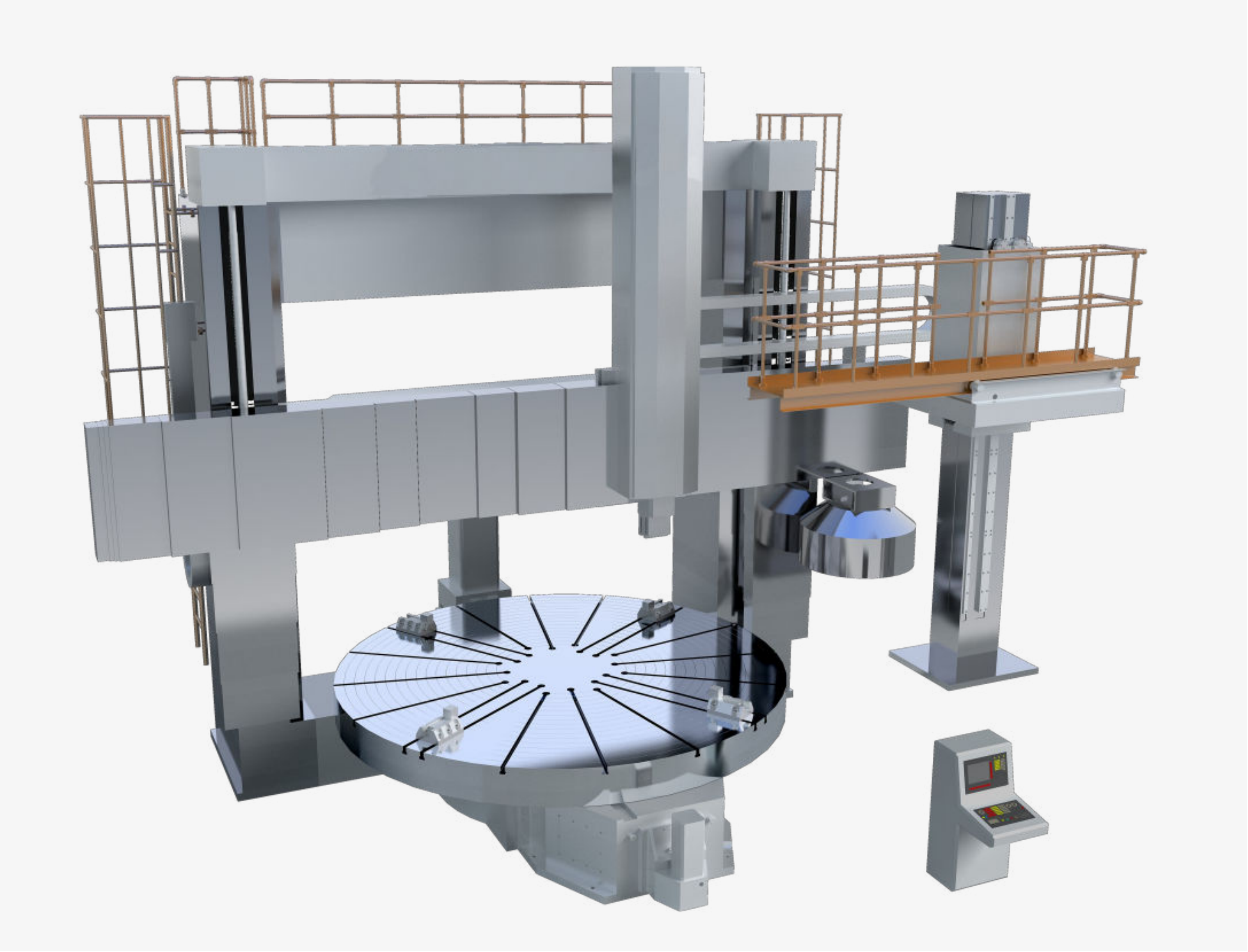
- The main drive of the machine is driven by a vertical AC servo motor, which in turn passes through a vertical two-speed gearbox. The gearbox adopts helical gear transmission, and the gears are hardened and grinded to obtain high transmission accuracy and efficiency, and reduce transmission vibration and noise.

SPECIFICATIONS

<table>
<tr><th>Item</th><th>Unit</th><th>CH5225</th><th>CH5231</th><th>CH5235</th><th>CH5240</th><th>CH5250</th><th>CH5263</th><th>CH5280</th></tr>
<tr><td>Max Cutting Diameter</td><td>mm</td><td>2500</td><td>3150</td><td>3500</td><td>4000</td><td>5000</td><td>6300</td><td>8000</td></tr>
<tr><td>Table Diameter</td><td>mm</td><td>2250</td><td>2250/2830</td><td>2250/2830/3150</td><td>2250/2830/3150/3400/3600</td><td>4500</td><td>5700</td><td>7100</td></tr>
<tr><td>Max Workpiece Height</td><td>mm</td><td colspan="3">1600/2000/2500</td><td>1600/2000/2500/3150</td><td>3150</td><td>3150/4000</td><td>4000/5500</td></tr>
<tr><td>Max Workpiece Weight</td><td>t</td><td>10/16/20</td><td colspan="2">10/16/20/32</td><td>16/20/32</td><td>40/50</td><td>50/80</td><td>80/125/150</td></tr>
<tr><td>Tool Post Horizontal Travel</td><td>mm</td><td>-50~1800</td><td>-50~2150</td><td>-50~2400</td><td>-50~2650</td><td>-50~3100</td><td>-50~3415</td><td>-50~4400</td></tr>
<tr><td>Tool Post Vertical Travel</td><td>mm</td><td colspan="3">1000/1250/1400</td><td>1000/1250/1400/1600</td><td>1600</td><td>1600/1800/2000</td><td>1600/1800/2000/2750</td></tr>
<tr><td>Tool Post Speed</td><td>r/min</td><td colspan="4">2-63</td><td>0.5-40</td><td>0.32-32</td><td>0.2-20</td></tr>
<tr><td>Tool Post Type</td><td>/</td><td colspan="4">2 Step Stepless/4 Step Stepless</td><td colspan="3">2 Step Stepless</td></tr>
<tr><td>Table Speed</td><td>r/min</td><td colspan="7">0.1~1000</td></tr>
<tr><td>Table Speed Steps</td><td>/</td><td colspan="7">Stepless</td></tr>
<tr><td>Tool Post Rapid Speed</td><td>r/min</td><td colspan="7">4000</td></tr>
<tr><td>Max Cutting Force of Vertical Tool Post</td><td>KN</td><td colspan="4">35</td><td>50</td><td colspan="2">50/63</td></tr>
<tr><td>Max Table Torque</td><td>KN·m</td><td colspan="4">63</td><td>100</td><td>200</td><td>400</td></tr>
<tr><td>Cross Beam Travel</td><td>mm</td><td colspan="3">1250/1650/2150</td><td>1250/1650/2150/2800</td><td>2800</td><td colspan="2">2800/3500</td></tr>
<tr><td>Cross Beam Speed</td><td>mm/min</td><td colspan="7">350</td></tr>
<tr><td>Cross Beam Motor Power</td><td>KW</td><td colspan="4">11</td><td>15/18.5</td><td>22/30</td><td>30/45</td></tr>
<tr><td>Main Motor Power</td><td>/</td><td colspan="4">55</td><td>75</td><td>75/90</td><td>110/132</td></tr>
<tr><td>Tool Holder Sectional Size</td><td>/</td><td colspan="5">50×40</td><td>50×40/50×50</td><td>50×50/60×60</td></tr>
<tr><td>Tool Holder Type</td><td>KW</td><td colspan="7">Square Ram</td></tr>
<tr><td>Tools</td><td>mm</td><td colspan="7">8 Position</td></tr>
<tr><td>Table Guideline Type</td><td>/</td><td colspan="4">Dynamic/Rolling/Hydrostatic Guideway</td><td colspan="3">Hydrostatic Guideway</td></tr>
<tr><td>Ram Size</td><td>mm</td><td colspan="3">240×240</td><td>240×240
250×250</td><td>250×250</td><td>250×250
280×280</td><td>280×280
320×320
360×360</td></tr>
<tr><td>CNC System</td><td>/</td><td colspan="7">Siemens 828D</td></tr>
<tr><td>Machine Weight</td><td>t</td><td>35-39</td><td>40-55</td><td>41-58</td><td>42-59</td><td>80-100</td><td>130-170</td><td>210-330</td></tr>
<tr><td>Machine Dimension (LxWxH)</td><td>mm</td><td>5700×5130
×5800-6700</td><td>6400×5130
×5800-6700</td><td>7300×5130
×5400-7000</td><td>7800×5130
×5800-8600</td><td>12250×8000
×8700-9500</td><td>15750×8000
×9550</td><td>18000×9500
×12550</td></tr>
</table>

CKX SERIES TURNING & MILLING CENTER



Features

- This series of machine tool is a CNC vertical turning and milling machining center with full closed-loop three-axis (X, Z, C) linkage mainly for turning and milling. Multi-functional, controlled by CNC, it organically combines the functions of turning, boring, drilling, grinding and table indexing and feeding, etc. It can clamp the workpiece at one time and complete a variety of work processes. It can improve workpiece positional accuracy and processing efficiency.
- Turning function: it can turn internal and external cylindrical surfaces, end surfaces, conical surfaces, turn threads, and turn at constant linear speed.
- Milling function: it can mill end face cams, radial cams and so on.
- Drilling and boring function: the worktable has any indexing and positioning function, and can drill and bore horizontal or vertical holes.
- Grinding function: the tool holder with 400-diameter grinding wheel grinding head can grind inner hole or outer circle, etc.
- Application scope: mainly used in power generation equipment, light industry machinery, large bearings, general machinery and other machinery manufacturing industries.

SPECIFICATIONS

Item	Unit	CKX5225	CKX5231	CKX5235	CKX5240	CKX5250	CKX5263	CKX5280
Max Cutting Diameter	mm	2500	3150	3500	4000	5000	6300	8000
Table Diameter	mm	2250	2830	3150	3600	4500	5700	7100
Max Workpiece Height	mm	1600/2000/2500				3150/5000		4000/5500
Max Workpiece Weight	t	20	32			50	50/80	80/125
Tool Post Horizontal Travel	mm	-15~1400	-15~1755	-15~2000	-15~2000	-50~2765	-50~3415	-50~4400
Tool Post Vertical Travel	mm	1000/1250/1400				1600	1600/1800	2050/2750
Tool Post Speed	r/min	20~1000						
Tool Post Type	/	BT50						
Table Speed	r/min	2-63				0.5-40	0.32-32	0.2-20
Table Speed Steps	/	2 Step Stepless						
C-axis Speed	r/min	0.001~2						
C-axis Positioning Accuracy	/	±5″						
C-axis Rpeatability Accuracy	/	±3″						
Feed Speed	r/min	0.1~1000						
Rapid Speed	mm/min	4000						
Max Cutting Force of Vertical Tool Post	KN	35				50	63	
Max Table Torque	KN·m	63	80			100	200	400
Cross Beam Travel	mm	1250/1650/2150				2800/3150		3500/5000
Cross Beam Speed	mm/min	350				310		
Cross Beam Motor Power	KW	11				18.5	30	45
CNC System	/	Siemens 828D						
Main Motor Power	KW	60				75	90/110	110/132
Tool Holder Size	mm	50×40						
Tool Holder Type	/	Square Ram						
Table Guideway Type	/	Hydrostatic Guideway						
Ram Size	mm	250×250				250×250 280×280	280×280 320×320	320×320 360×360 400×400
Machine Weight	t	35-39	40-55	41-58	42-59	110	135-180	210-330
Machine Dimension (LxWxH)	mm	5700×5130 ×5400-6200	6400×5130 ×5400-6200	6900×5130 ×5400-6200	7300×5130 ×5400-6200	10000×13500 ×8500	15750×8000 ×8700	18000×9500 ×12550

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