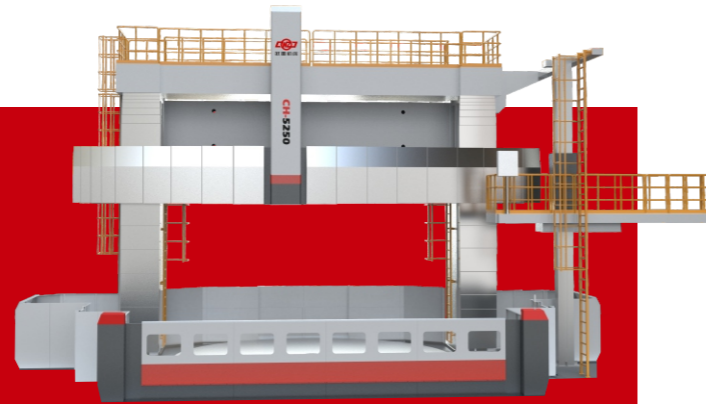


数控双柱立式(铣)车床

CK(X)52系列

CK(X)52 SERIES CNC DOUBLE COLUMN VERTICAL(MILLING) TURNING MACHINE



产品特点

- 机床主要基础件采用高质量铸铁件并经热处理消除内应力，结构上采用热对称结构，具有较高的热稳定性。
- X、Z轴采用一腔一泵式闭式恒流静压导轨，摩擦系数小，抗振性好，能长期可靠地保持其移动精度。
- 工作台径向采用高精度双列短圆柱滚子轴承定心，轴向采用恒流静压导轨承载，具有良好的润滑性和吸振性；工作台中心装有高精度旋转编码器可实现恒速切削、车螺纹和分度（配铣功能时）功能。
- 工作台主传动采用双电机驱动结构，工作台车削时，两电机同步驱动，为工作台提供大的扭矩；分度和铣削时，两电机消除齿轮传动间隙，保证工作台高精度分度、铣削回转。
- 机床可根据加工需求配置车削刀架、车铣复合刀架、单/双刀架。
- 机床数控系统标配华中数控系统，可选配西门子、发那科数控系统。

PRODUCT FEATURES

- Machine fundamental parts adopt high quality cast iron gone through heat treatment to eliminate inner stress. Thermal symmetrical structure is adopted with high heat stability.
- X,Z axis adopt pump per pocket closed type constant flow hydrostatic guide way with low friction ratio and good vibration proof performance, can reliably maintain movement accuracy for long term.
- In table radial direction high accuracy double row short cylinder roller bearing is adopted for centering; in axial direction constant flow hydrostatic guide way is adopted for loading, with good lubrication and vibration absorption performance; in table center high accuracy rotary encoder is adopted for constant speed cutting, thread turning and indexing(when milling function adopted).
- Table rotation adopts double motor drive structure, during table turning, two motors drive in sync to provide high torque for table; during indexing/milling, two motors will eliminate gear transmission gap to ensure high indexing accuracy and milling rotation.
- Turning tool head, turning-milling tool head, single/double tool heads could be provided as per machining demand.
- CNC system: HUAZHONG CNC system as standard supply. Optional: SIEMENS/ FANUC.

适用范围

CK(X)52系列为数控双柱立式(铣)车床，机床加工范围从3.5米至12.5米，具有车削球面、柱面、锥面、螺纹、端面、内外环槽的能力，具有恒速切削功能，适用于高速钢、硬质合金及陶瓷刀具，能高效自动地加工各种铁金属及合金、有色金属、部分非金属材料等工件。机床广泛应用于适用于航空、重机、能源、造船、冶金、化工、交通等行业大型零件的加工。选配附件有铣刀架、盘式刀库、各种铣头、仿形装置、机内对刀仪、工件测量仪、电主轴磨头等。

APPLICATION

CK(X)52 series CNC Double Column Vertical(Milling) Turning Machine, with machining diameter from 3.5m to 12.5m, is suitable for turning spherical/cylindrical/conical surfaces, threads, end faces, inner and external grooves of all kinds of ferrous metal and alloy/non-ferrous metal and some non-metal materials, with high speed steel/hard alloy and ceramic tools. Constant linear speed cutting function available. This series of machines is widely applied in aviation, heavy machinery, energy, shipbuilding, metallurgy, chemical industry, transportation and other industries for large parts. Optional attachments per special order: milling tool head, disc type tool magazine, all kinds of milling heads, forming equipment, in-machine tool setting unit, work piece measuring unit, electro-spindle grinding head etc.

主要规格和技术参数

SPECIFICATION

项目 Item	单位 Unit	产品型号 Item							
		CK(X)52 25	CK(X)52 35	CK(X)52 40	CK(X)52 50	CK(X)52 63	CK(X)52 80	CK(X)521 00	CK(X)52 125
最大加工直径 Max machining diameter	mm	Φ2500	Φ3500	Φ4000	Φ5000	Φ6300	Φ8000	Φ10000	Φ12500
最大加工高度 Max machining height	mm	2000	2500 /3000	2500 /3500	2500/3500 /4000	5000	5000/6000	5000/6000 /7000	6000/7000 /8000
工作台直径 Table diameter	mm	Φ2250	Φ3150	Φ3600	Φ4500	Φ5700	Φ7200	Φ7200 /Φ8000	Φ8000 /Φ10000
工作台最大承重 Table loading capacity up to	t	16	40	40/50	50/63	63/100	100/160 /250	250/400	400/600
工作台最大转速 Table speed up to	r/min	200	63/100	50/100	40	31.5	25/16/12	16/12	16/12
铣主轴转速 Milling spindle speed	r/min	2500/3000	2500/3000	2500/3000	2000	2000	2000/1500	1500/1200	1200
铣主轴功率 Milling spindle power	kW	25/31	25/31	25/31	31	31	31/44	44/58	58
主电机最大功率 Main motor max power	kW	30x2	30x2	30x2/37x2	37x2/55x2	55x2/125	55x2/66x2 /73x2	73x2/90x2	90x2

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Note: 1. All the technical parameter subject to change without prior notice.

2. Technology Agreements shall prevail if there is any discrepancy between catalog and Technology Agreement.