

# TCK420/TCK520

SLANT BED AND LINEAR GUIDE WAY CNC LATHE

斜床身线轨数控车床

## 数控车床特点

- 台湾高精度直线导轨
- 台湾丝杠
- 液压刀塔
- 台湾液压卡盘
- 液压尾座
- 台湾中空回转油缸

## CNC Lathe Features

- Taiwan higher accuracy linear guideways
- Taiwan ball screw
- Hydraulic magazine
- Taiwan hydraulic chuck
- Hydraulic tailstock
- Taiwan hollowed rotary cylinder



## 数控车床用途

该机床是一款高速度、高精度、高可靠的斜床身数控机床，主轴为单元式结构，伺服主电机制，可以达到更高的转速，工件装夹选用液压卡盘，使得装夹更为方便，精度更高，操作更省力；主轴轴承结构采用前3后2共5套角接触轴承，既高速又高刚。机床采用斜30°滑鞍，线性导轨，刚性强，进给快、排屑容易。X、Z向丝杠都布置在拖板中间拖板受力均匀，运动平稳、速度快。8工位液压刀塔，换刀快速平稳，精度高，可就近选刀，装刀容量大；液压尾座，操作轻松自如；全封闭保护，不渗油漏水，即环保又美观。

## CNC Lathe use

The machine are the slant bed cnc machine tools of higher speed, higher precision and higher reliability. The spindle is in unit structure, Servo main motor for higher speed. The hydraulic chuck is employed for clamping the workpiece, which makes the clamping more convenient, accuracy highly improved and the operating strength saved. Spindle bearing is contacted by 5 angular, 3 of which are placed in the front and 2 in the back. It makes the higher speed and higher rigidity. Machine adopts 30 degrees oblique slide saddle and linear guide rail, stronger in rigidity, faster in feeding speed and easier in chip removal. The X and Z axis screws are in the middle of the carriage, well-distributed in force, smooth in movement, higher in speed. The 8-tool hydraulic turret changes tools quickly, stably, precisely and chooses tool from the nearest. It is easy to operate hydraulic tailstock. Fully shield machine house does not leak oil and water, green and beautiful.

技术参数	Specifications	单位	TCK420	TCK520
床身上最大回转直径	Max. swing over bed	mm	Φ420	Φ520
拖板上最大回转直径	Max. swing over cross slide	mm	Φ170	Φ210
最大加工长度	Max. processing length	mm	400	500
最大行程X/Z	X/Z axis max. travel	mm	180/400	260/530
主轴端部形式	Spindle nose		A2-6	A2-8
主轴通孔直径	Spindle bore	mm	Φ66	Φ80
允许通过棒料	Bar capacity	mm	Φ50	Φ65
主轴最高转速	Max. spindle speed	rpm	3000	2500
卡盘尺寸	Chuck	in	8	10
主轴电机功率	Spindle motor power	kW	5.5	7.5
重复定位精度(X/Z)	X/Z axis repeatability	mm	±0.003	±0.003
进给电机扭矩X/Z	X/Z axis feed motor torque	N.m	5/7.5	7.5/7.5
快速移动速度	X/Z Rapid traverse	m/min	12	10
液压尾座行程	Tailstock travel	mm	350	350
尾座套筒行程	Quill traverse	mm	90	100
尾座套筒锥度	Quill taper	#	MT4	MT5
刀架形式	Tool post type		8工位液压刀塔	8工位液压刀塔
刀具外形尺寸	Cutting tool shape size	mm	20×20	25×25
导轨形式	Guide form		30度	30度
导轨运动方式	Guide rail movement way		直线导轨	直线导轨
总电源容量(连续)	Total power capacity	kVA	11	15
外形尺寸	Machine dimension (L×W×H)	mm	2300×1500×1650	2750×1600×1700
机床重量(约)	Net weight (about)	kg	3000	4200