



YT5180CNC型 数控数控插齿机

CNC Gear Shapping Machine Model YT5180CNC



主要特点:

机床主运动采用曲柄滑块机构、两级皮带传动，工作台固定、大立柱移动方式。

径向进给、刀架回转、工作台回转由伺服经联轴器直接驱动，传动链短精度高。

刀架结构采用机械式导轨，让刀运动采用双凸轮结构，刀架、工作台分度采用高精度变厚蜗轮蜗杆副。

刀架滑板采用传动蜗轮蜗杆副配高刚性滚珠丝杆副。配平衡油缸及工作位置基准面，压紧面油缸。

四轴数控：径向进给(X轴)、刀具回转(B轴)、工件回转(C轴)、刀架滑板上下(Z轴)。

主运动采用变频调速，床身导轨采用注塑导轨，刀架主轴直径 $\phi 100$ ，机床采用西门子802DSL数控系统。

The machine used slider-crank mechanism and double step belt for transfer. The worktable is fixed and big column is moving for the radial feeding.

The radial feeding, rotation of cutter and worktable is driven by the independent servo motors. The transfer chain is short and accuracy is high.

The construction of the spindle used the mechanical guide and the cutter back-off is used the double cam mechanism. The index of the cutter and worktable are adopted the high accuracy thickening worm shafts.

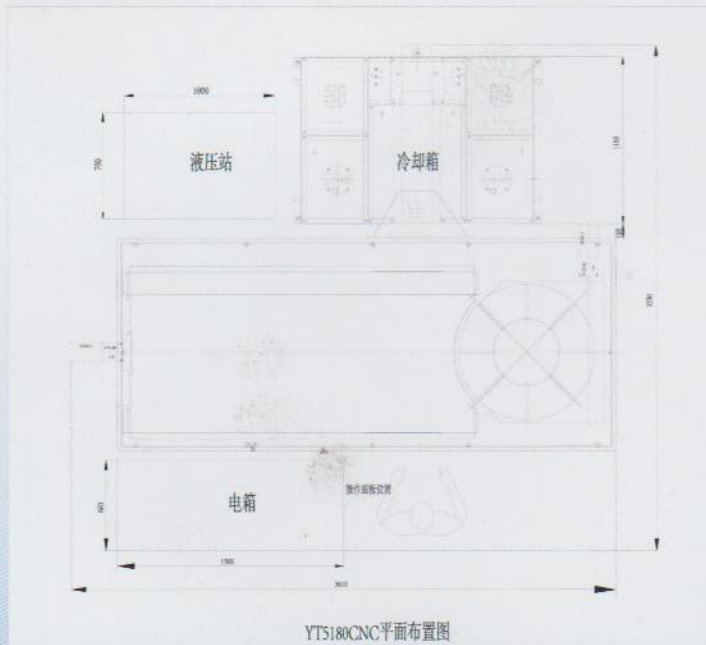
The cutter carriage used the worm for decrease the speed and the high rigidity ball screw for driving. And there are 2 sets hydraulic cylinders for hold the cutter carriage while it in the suitable position.

4 axes: radial feeding(X axis), cutter rotation (B axis), work-piece rotation (C axis), cutter carriage up and down (Z axis), the main spindle stroke is driven by the frequency convertor motor. The guide on the bed is used coating Teflon and big square steel. The spindle size is $\Phi 100\text{mm}$. the machine used SIEMENS 802DSL CNC system.

机床主要参数: Main specification:

最大工件直径: 外齿	Max work-piece dia. (Extend gear)	φ 800mm
最大工件模数:	Max. Module	12mm
最大冲程长度	Max. Stroke length	240mm
最大加工齿宽	Max. Width	225mm
刀具中心线至工作台中心线的距离	Center dist. From cutter to worktable	0—760mm
刀架滑板移动距离	Cutter carriage moving	400mm
工作台直径	Dia. Of worktable	φ 900mm
刀具主轴冲程数	Stroke speed	30—300str /min
主电机	功率 转速	15kW
		1000rpm
机床尺寸	size	3610x3350x4250
机床净重(主机)	Machine weight	18500Kg

机床平面布置图 Machine layout



规格、参数若有改变,恕不另行通知,客户如有特殊要求,敬请垂询。
All the specifications are subject to revision without notice in advance. Please contact the manufacturer for special request on the machine.

联系地址: 江苏省南京市江宁区科学园融泉路29号
公司办公室电话: (025) 52215948
公司总机: (025) 68105599, 86624291
销售电话: (025) 68105599—8037, (025) 52215949
外经电话: (025) 68105599—8097, 8056
售后电话: (025) 68105599—8153, 8155
销售传真: (025) 52303645

外经传真: (025) 86626869
售后传真: (025) 52250733
邮政编码: 211103
电子邮箱: sales@nmt2.com
外经邮箱: ied@nmt2.com