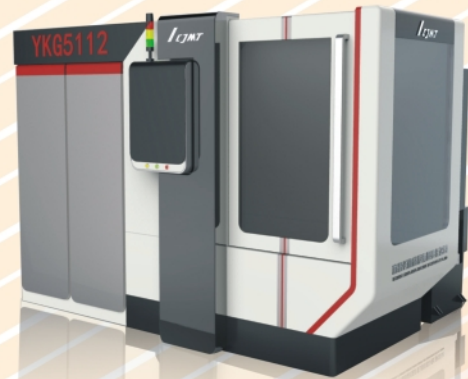


高速数控插齿机系列
High Speed CNC Gear Shaper

主要用于内、外圆柱齿轮、螺旋齿轮的切削加工。YKD5120和YKD5132型还可用于加工倒锥齿轮。

- ★主运动为交流变频电机驱动，无级调速。
- ★径向进给（X轴）和圆周进给（C1\C2轴）采用交流伺服电机驱动。
- ★机床具有刀具上停、少齿数切削和斜向让刀功能。



YKG5112小模数高精度数控插齿机



YKS5132数控插齿机



YKS5132J型数控插齿机



YKD型采用可倾斜式工作台，倾斜角度调整范围±12°



YKS5120数控插齿机



自动上下料机构

It is mainly used for machining internal or External cylindrical gear and helical gear. YKD5120 and YKD5132 can also machine reversed-taper gear.

- ★The main motion is driven by AC frequency inverter motor with stepless.
- ★Both circular feed(X axis) and radial feed (C1 or C2 axis) are driven by AC servo motor.
- ★ The machine possesses some functions as follows: cutter stopping at its up-most position, small number of teeth cutting as well as cutter relieving in oblique direction.

主要技术规格 Specifications	YKG5112	YKS5120 YKD5120	YKS5132J YKD5132J	YKS5132 YKD5132
最大加工外齿直径 (mm) Max. diameter of external	120	200	320	320
最大加工内齿直径 (mm) Max. diameter of internal	100+D _刀	100+D _刀	220+D _刀	220+D _刀
最大加工模数 (mm) Max. module	2	6	8	8
最大加工齿宽 (mm) Max. face width	30	50	90	90
插齿刀冲程长度 (mm) Max. stroke length	40	60	100	100
插齿刀冲程速度 (str/min) Stroke speed	150~1250	125~1250	150~1000	125~1250
插齿刀让刀量 (mm) Cutter relieving	≥0.3	≥0.3	≥0.3	≥0.3
刀架提拉行程 Axial slide travel range of cutter head	-	-	-	-
插齿刀行程位置调整量 (mm) Adjusting amount of stroke position	20	30	30	30
插齿刀安装轴颈直径 (mm) Diameter of cutter neck	31.743	31.743	31.743	31.743
刀轴直径 (mm) Spindle diameter	65	85	85	85
工作台面直径 (mm) Diameter of worktable	240	300/250	300	420/325
工作台孔径 (mm) Diameter of worktable bore	60	70	70	120/100
工作台可倾斜角度 Sloping angle of worktable	-	0/±12°	0/±12°	0/±12°
插齿刀轴线至工作台轴线距离 (mm) Distance between axis of cutter spindle and worktable	-50~150	-55~175	-110~265	-110~265
机床主轴端面至工作台面距离 (mm) Distance between the nose of spindle and worktable surface	160~220	245~335 185~275	135~265	235~365 155~285
机床总功率 (kw) Total power	10.5	13.3	13.3	15.2
机床重量 (Kg) approx. Total weight	3000	8500	4500	10000

标准配置	Standard Accessories	选项配置	Optional Accessories
YKG5112、YKS5120 × 3/YKD5120 × 3、YKS5132 × 3/YKD5132 × 3型数控插齿机			
数控系统: 西门子828D	Numerical control system:828DSiemens	Fanuc Oimd数控系统	Numerical control system:Fanuc Oimd
主轴变频: 施耐德	Spindle frequency inverter:Schneider	尾座	Tailstock
液压装置一套: 外置	One set hydraulic station:Outside	夹具	Fixture
冷却、排屑装置一套: 外置	One set cooling and chip conveyor:Outside	立柱加高垫块	Iron block for column increase
集中润滑装置: 间歇式	Centralized auto-lubrication:Intermittent	专用接刀杆	Special cutter adaptor
电气柜: 外置	Electric cabinet:Outside	插齿刀具	Shaper cutter
标准接刀杆: 2件	The cutter adaptor:2pieces	螺旋导轨	Helix guide
半防护罩	Half cover	自动上下料机构	workpiece loading and unloading device
随机附件箱: 内置	Accessory box:Internal	去毛刺机构	Deburring unit
机床垫铁	Machine sizing block	全防护罩	Full cover
YKS5132J型数控插齿机			
数控系统: 西门子808D	Numerical control system:808D Siemens	夹具	Fixture
主轴变频: 英威腾	Spindle frequency inverter:British Witten	立柱加高垫块	Iron block for column increase
液压装置一套: 内置	One set hydraulic device:Internal	专用接刀杆	Special cutter adaptor
冷却、排屑装置一套: 内置	One set cooling and chip conveyor:Internal	插齿刀具	Gear shaper tools
电气柜: 内置	Electrical cabinet:Internal	螺旋导轨	The helical guide
标准接刀杆: 2件	Standard cutter adaptor: 2pieces	自动上下料机构	workpiece loading and unloading device
随机附件箱: 内置	Accessory box:Internal		
机床垫铁	Machine sizing block		

机床平面布置图

