

数控齿条插齿机系列

CNC Gear Rack Shaper Series

机床广泛应用于加工各类直、斜齿条，特别适合于工程机械、电梯和机床等制造业的大批量生产使用，也可供机械制造业中单件或小批量的加工。

- ★刀轴的冲程速度无级调速。
- ★可任意设定进给速度、循环次数和切削深度。
- ★粗、精加工转换时可自动变速，具备刀具自动上停、中停功能。



YK58125数控齿条插齿机



YK58200数控齿条插齿机

The machine is widely used to machine all kinds of spur and helical spline, especially suitable for the mass production of manufacturing industry of machinery, lift and machine tool. It can also be used for the singleton or small batch production of manufacturing industry.

- ★The stroke speed of main spindle of the cutter tool is adjustable with stepless.
- ★The feed speed, cycle times and cutting depth can be set discretionarily
- ★The speed can be changed when convert rough machining to finishing and the cutter can stop at its up-most or middle position automatically.

主要技术规格 Specifications	YKR5832	YK58125	YK58200	YK58300
最大加工长度直径 (mm) Max. length straight teeth	300/1000	1250	2000	3000
最大模数 (mm) Max. module	4		12	
最大加工工件倾斜角 Max. angle of obliquity	±20°		±30°	
插齿刀最大冲程长度 (mm) Max. spindle stroke length	50		160	
插齿刀主轴冲程数 (str/min) Stroke of main spindle	300~800		60~300	
插齿刀行程位置调整量 (mm) Adjusting amount of cutter travel	30		50	
工作切向进给速度 (mm/min) Tangent feed speed of worktable	1~3000		0~1000	
插齿刀让刀量 (mm) Cutter relieving	0.3		≥0.5	
插齿刀安装轴径直径 (mm) Cutter arbor diameter	31.743			
工作台面尺寸 (mm) Worktable size	740×400	1350×490	2150×490	3150×490
插齿刀轴线至工作台中心平面距离 (mm) Distance between cutter spindle and worktable center	-		-110~270	
插齿刀安装端面至工作台面距离 (mm) Distance between cutter mounting face and worktable surface	165		160~370	
机床总功率 (kw) Total power	8.5		30	
机床总重量 (Kg) approx. Total weight	6000	11000	13000	15000



数控齿条插齿机工装

标准配置	Standard Accessories	选项配置	Optional Accessories
数控系统: 西门子828D	CNC system: SIEMENS 828D	液压夹具	The hydraulic clamp
主轴变频: 施耐德	Spindle Frequency inverter: Schneider inverter	接刀杆	Cutter adaptor
液压装置一套: 外置	Hydraulic system: outside	全防护	Full cover
冷却、排屑装置一套: 外置	Cooling system and chip conveyor system: Outside		
集中润滑装置: 间歇式	Centralized lubricating system: batch-type		
电气柜: 外置 机床左侧	Electric cabinet: at left of machine, outside		
标准接刀杆: Φ31.743	Standard cutter adaptor: Φ31.743		
随机附件箱	Accessories box with machine		
半防护罩	Half cover		
机床垫铁	Sizing block		

机床平面布置图

