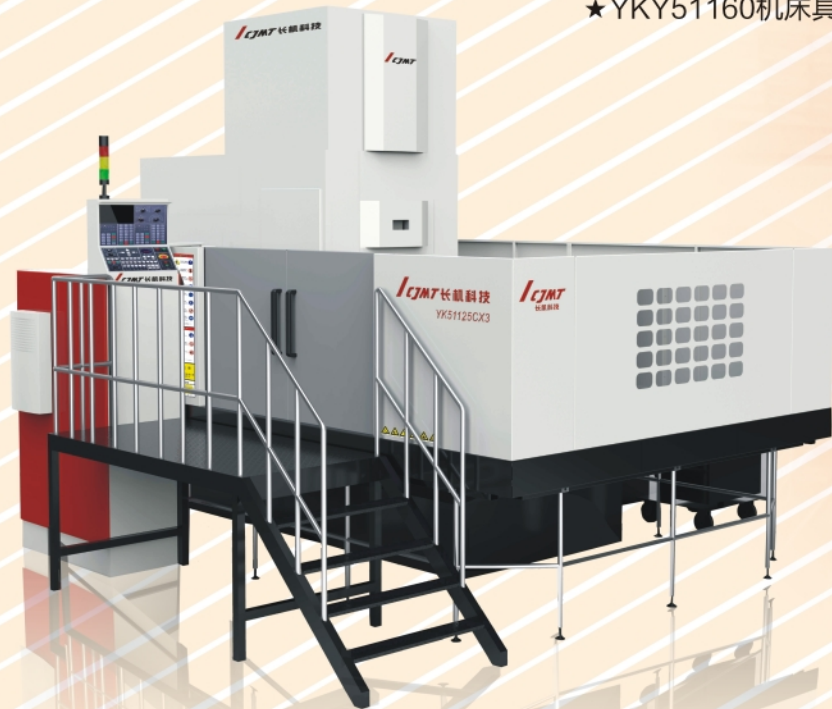


大型数控插齿机系列

Large-scale CNC Gear Shaper

主要应用于加工大型直齿、内齿圈及内外斜齿圈等，特别适合于工程机械、矿山机械、重型汽车、拖拉机和航空等制造业的大批量生产使用。

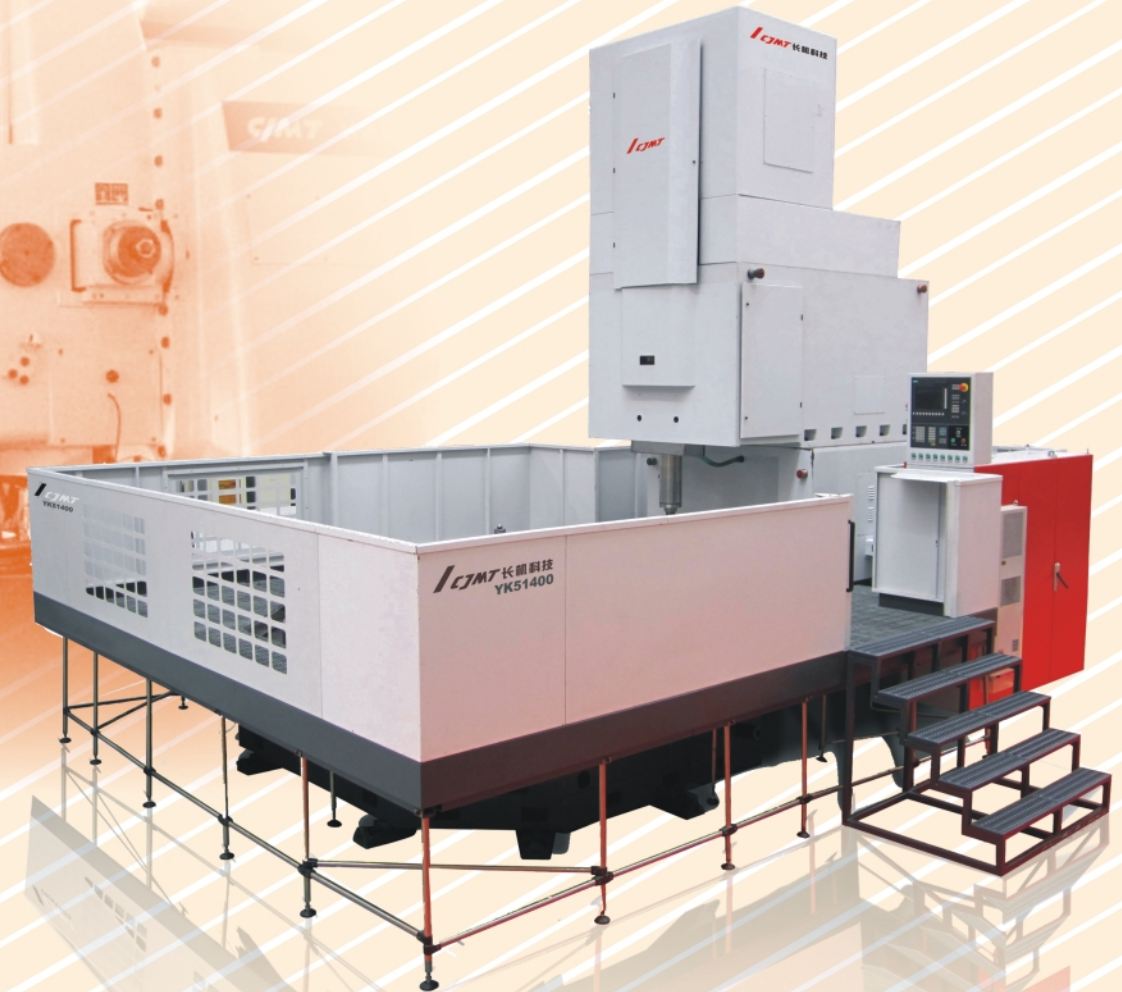
- ★机床配单独的液压站、磁性排屑器和落地式电气柜。
- ★YK51160C、YK51250E、YK51350和YK51400四种机床具有冲程长度和刀具位置自动调整功能。
- ★YKY51160机床具备齿宽自动调整功能。



YK51125C × 3数控插齿机



YKY51160液压冲程插齿机



YK51400数控插齿机

It is mainly applied to machine large internal and External spur and helical gears, especially suitable for the mass production of manufacturing industry of engineering machinery, mining machinery, heavy duty truck, tractor, aerospace, etc.

- ★The machine is equipped with separate hydraulic system, magnetic chip conveyor and console electrical cabinet.
- ★YK51160C, YK51250E, YK51350 and YK51400 can all adjust stroke length and cutter position automatically.
- ★For gear shaping machine YKY51160, tooth width can be adjusted automatically.

主要技术规格 Specifications	YK51125C×3	YK51160C	YK51250E	YK51350	YK51400
最大加工外齿直径 (mm) Max. diameter of external	1250	1600	2500	3500	4000
最大加工内齿直径 (mm) Max. diameter of internal	1600	2100	3000	4000	4500
最大加工模数 (mm) Max. module	16	20	25	30	30
最大加工齿宽 (mm) Max. face width	300	350	400	500	500
插齿刀冲程长度 (mm) Max. stroke length	330	380	430	530	530
插齿刀冲程速度 (str/min) Stroke speed	15~150	15~150	15~120	15~120	15~120
插齿刀让刀量 (mm) Cutter relieving	≥0.5	≥0.5	≥0.5	≥0.5	≥0.5
刀架提行程 Axial slide travel range of cutter head	-	-	-	-	-
插齿刀行程位置调整量 (mm) Adjusting amount of stroke position	50	60	60	60	60
插齿刀安装轴颈直径 (mm) Diameter of cutter neck	88.9/101.6	88.9/101.6	88.9/101.6	88.9/101.6	88.9/101.6
刀轴直径 (mm) Spindle diameter	120	140	160	180	180
工作台面直径 (mm) Diameter of worktable	1300	1600	2100	3000	3000
工作台孔径 (mm) Diameter of worktable bore	500	500	500	600	600
工作台可倾斜角度 Sloping angle of worktable	-	-	-	-	-
插齿刀轴线至工作台轴线距离 (mm) Distance between axis of cutter spindle and worktable	0~800	0~1000	240~1500	750~2100	750~2300
机床主轴端面至工作台面距离 (mm) Distance between the nose of spindle and worktable surface	250~630	315~755	260~750	460~1050	460~1050
机床总功率 (kw) Total power	31	36	43	52	52
机床重量 (Kg) approx. Total weight	28000	37000	45000	52000	52000

标准配置 Standard Accessories	选项配置 Optional Accessories
YK51125C×3/YK51160C 大型数控插齿机	
数控系统: 西门子802DSL/828D CNC system: Siemens 802DSL/828D	加高中床身 Iron block for column increase
主轴变频: 施耐德 Frequency inverter: Schneider	专用接刀杆 Special cutter adaptor
液压装置一套: 外置 Hydraulic system: outside	插齿刀具 Gear cutter
冷却、排屑装置一套: 外置 Cooling system and chip conveyor: Outside	螺旋导轨 Helical guide
集中润滑装置: 间歇式 Inegrated lubrication system: Intermittent	附加工作台 Extra-worktable
电气柜: 外置 Electric cabinet: Outside	全防护 Full cover
标准接刀杆: 2件 Morse 5# Standard cutter adaptor: Morse 5#, 2 pieces	
随机附件箱 Accessory box	
半防护罩 Half cover	
机床垫铁 Sizing block	
YK51250E/YK51350/YK51400 大型数控插齿机	
数控系统: 西门子802DSL/828D CNC system: Siemens 802DSL/828D	立柱加高垫块 Iron block for column increase
主轴变频: 施耐德 Frequency inverter: Schneider	专用接刀杆 Special cutter adaptor
液压装置一套: 外置 Hydraulic system: outside	插齿刀具 Gear cutter
冷却、排屑装置一套: 外置 Cooling system and chip conveyor: Outside	螺旋导轨 Helical guide
集中润滑装置: 间歇式 Inegrated lubrication system: Intermittent	附加工作台 Extra-worktable
电气柜: 外置 Electric cabinet: Outside	全防护 Full cover
标准接刀杆: 2件 Morse 5#/公制 80# Standard cutter adaptor: Morse 5#/Metric system 80#, 2 pieces	
随机附件箱 Accessory box	
半防护罩 Half cover	

机床平面布置图

