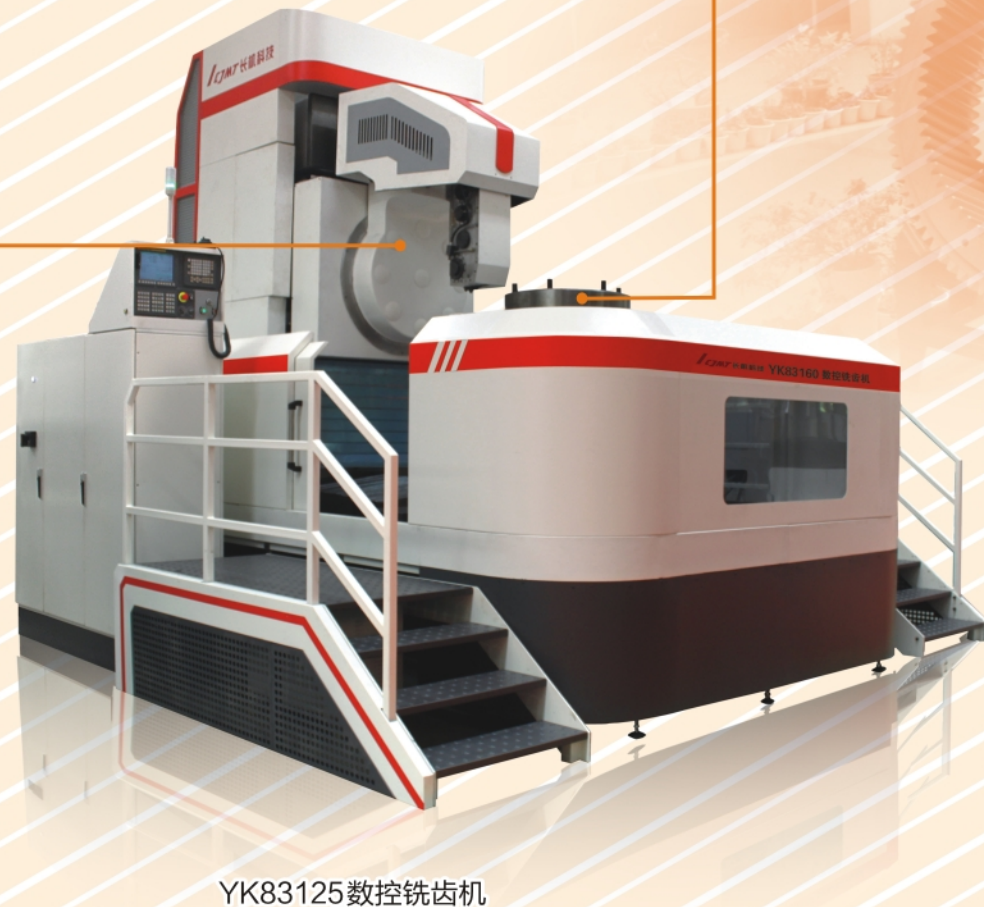
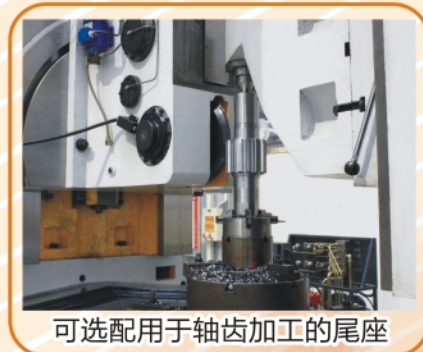


数控铣齿机系列
CNC Gear Milling Machine

主要用于加工内外圆柱直、斜齿轮。YK83125型和YK83160型还可配备外铣刀架和尾座，用于加工大型轴齿轮。

- ★铣刀可自动旋转角度，实现斜齿轮的加工。
- ★机床铣头采用双驱动，同时对齿轮副进行消除。
- ★刀架滑板及立柱进给采用重载滚珠丝杠副，导轨采用定点定量润滑，机床立柱与床身之间采用锁紧油缸夹紧。
- ★工作台采用静压卸荷和液压锁紧机构，工作时具备锁紧功能

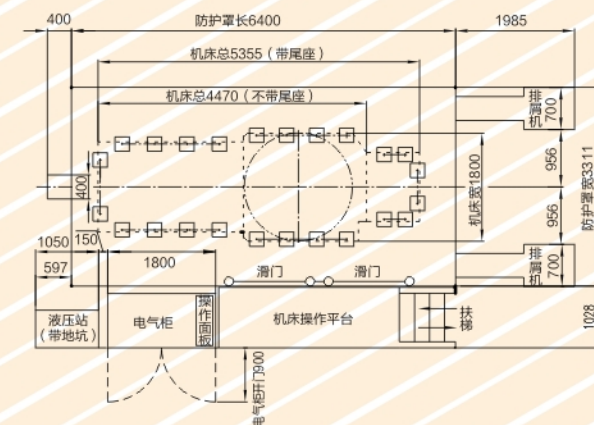


The machine is mainly used to machine internal spur and helical gears. YK83125 and YK83160 gear milling machine equipped with External cutter head and tailstock are available to process large shaft gears.

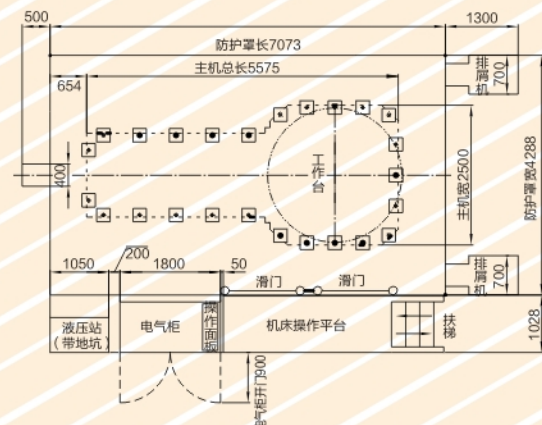
- ★The milling cutter can rotate angle automatically ,to complete the processing of helical gear.
- ★The milling cutter head adopts dual drive and the gear pair will be anti-backlash at the same time.
- ★ Both the cutter head slide and column feed adopt overloading ball screw pair, the guideway adopt fixed position quantity. Between the column and machine bed ,there is a lock oil cylinder for clamping.
- ★The worktable adopt hydrostatic unloading with strong load and has lock function when it works.

主要技术规格 Specifications	YK83125	YK83160	YK83250	YK83350	YK83450	YK83800
最大加工齿顶圆直径 内直齿/外齿 (mm) Max. processing addendum circle diameter Internal straight teeth/External teeth	1300/1300	2100/2100	2800/2800	3500/3500	4800/4800	8000/8000 *
最小加工齿顶圆直径 内直齿/外齿 (mm) Min. processing addendum circle diameter Internal straight teeth/External teeth	450/0	800/0	1000/800	1100/1100	1500/1300	2800/2600
最大加工模数 (mm) Max. processing module	12/15	20/30	26/30			
最大螺旋角 标配/非标 Max. helical angle	± 30°		± 15° / ± 25°			
最大加工齿宽 (mm) 内直齿/外直齿 Max. processing face width Internal straight teeth/External straight teeth	450/700		500/900			
内齿工件最大环形厚度 含工装 (mm) Max. annular thickness of the workpiece (including fixture)	370					
工作台最大承重 (Kg) Max. load bearing of worktable	8000	10000	15000	20000	25000	80000
工作台直径 (mm) Diameter of worktable	1300	1800	2400	3000		4600
工作台转速 (rpm) Speed of worktable	0~2.5	0~1.6	0~1.5	0~1.2		0~0.7
铣刀盘最大直径 (mm) Max. overall diameter of milling cutter head	320	420~440				
刀具最大宽度 (mm) Max. width of cutter	60	90				
铣刀盘安装直径 (mm) Fixing diameter of facer	60	90				
内外铣刀架电机功率 (Kw) The motor power of internal/External milling head	22	45				
铣刀中心距工作台台面距离 (mm) Center distance between milling cutter of milling head and worktable	950~1800		520~1450			
内铣刀架铣刀中心距工作台中心距离 (mm) Center distance between milling cutter of internal gear's milling head and worktable	0~700	0~1000	250~1260	400~1700	510~2300	1190~3880
外铣刀架铣刀中心距工作台中心距离 (mm) Center distance between milling cutter of External gear's milling head and worktable	0~920	250~1250	460~1700	740~2000	790~2580	1440~4250
刀盘转速 (rpm) Speed of milling cutter head	70~140					
进刀深度 (mm) Feed depth	0~20	0~30	0~35			
轴向走刀速度 (mm/min) Axial cutting speed	0~350					
尾座顶尖距工作台台面距离 (mm) Distance from top tailstock to worktable surface (option)	-	800~1640	-	-	-	-
机床总功率 (Kw) Total power	50	67	73		80	
机床总重量 (Kg) approx. Total weight	37500	43000	51500	58000	60000	85000

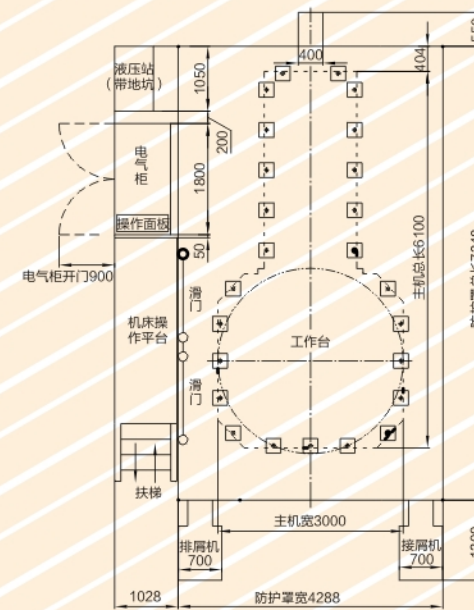
*表示需增加附加工作台



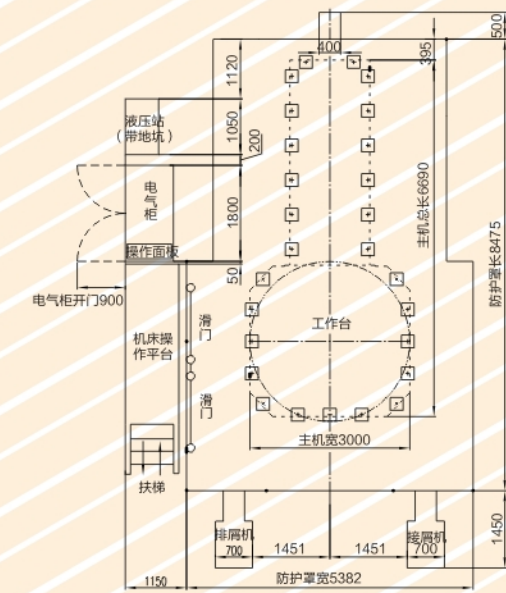
YK83160机床平面布置图



YK83250机床平面布置图



YK83350机床平面布置图



Yk83450机床平面布置图

标准配置	Standard Accessories	选项配置	Optional Accessories
YK83125/YK83160数控铣齿机			
数控系统: 西门子828D	CNC system: SIEMENS 828D	外齿铣刀架	The milling cutter frame
主轴变频: 施耐德变频器	Spindle Frequency inverter: Schneider inverter	尾座	Tailstock
液压装置一套: 外置	Hydraulic system: outside	胎具	Fixture
排屑装置两套: 外置	Chip conveyor system: outside	夹具	Clamping
集中润滑装置: 间歇式	Centralized lubricating system: batch-type	铣齿刀盘	Milling cutter head
电气柜: 外置	Electric cabinet: at left of machine, outside	油冷机	Oil cooler
标准刀轴: 1件	Standard arbor: arbor diameter Φ90	全防护	Full cover
装机辅助工装: 1件	Cutter install assistant tool: 1 piece		
随机附件箱	Accessories box		
半封闭防护罩	Half cover		
YK83250/YK83350/YK83450数控铣齿机			
数控系统: 西门子828D	CNC system: 828DSiemens	外齿铣刀架	The milling cutter frame
主轴变频: 施耐德	Spindle frequency inverter: Schneider	胎具	Fixture
液压装置一套: 外置	One set hydraulic device: External	夹具	Clamping
排屑装置两套: 外置	Two sets chip conveyor: External	铣齿刀盘	Milling cutter head
集中润滑装置: 间歇式	Centralized lubrication device: Intermittent	油冷机	Oil cooler
电气柜: 外置	Electrical cabinet: External	全防护	Full cover
标准刀轴: 1件Φ90装刀直径	Standard arbor: arbor diameter Φ90, 1 piece		
随机附件箱	Accessories box		
半封闭防护罩	Half cover		
装机辅助工装: 1件	Hob assistant device		