

# 2 数控铣齿机

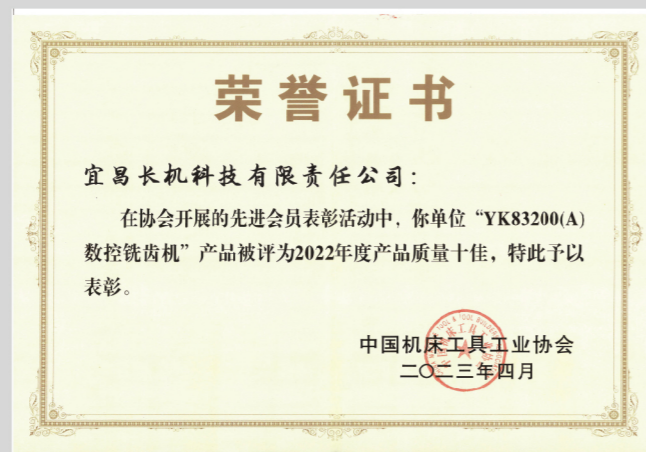
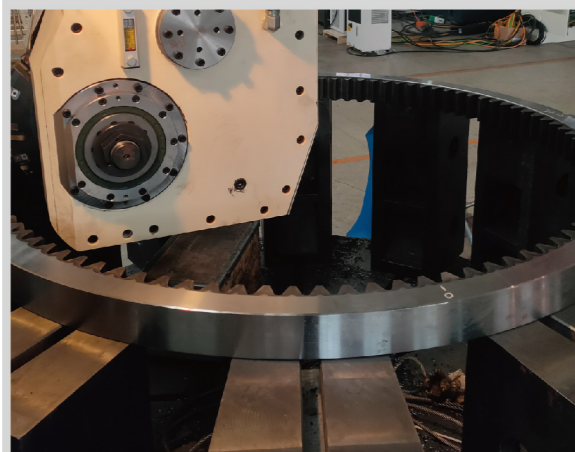
CNC GEAR MILLING MACHINE

## 探索和发现更多可能性 用匠人精神打造出精湛的高效率

无论是内齿、外齿，直齿或者斜齿，还是软齿面或者硬齿面齿轮，不管是用于粗加工还是精加工，从450mm到8000mm的铣齿机，我们都能设计、制造和提供。  
我们的产品能在很大的范围内满足客户需要，因此深受客户信赖。

## Exploring and discovering more possibilities. Creating exquisite efficiency with the spirit of craftsmanship

Whether they are internal gears, external gears, straight or helical gears, soft or hard tooth surface gears, our high-efficiency gear milling machine can be used for rough machining or finishing, as long as the gear diameter is between 450mm and 8000mm.  
Our products can meet customer needs in a wide range and are therefore deeply trusted by gear industry users.



# 数控铣齿机

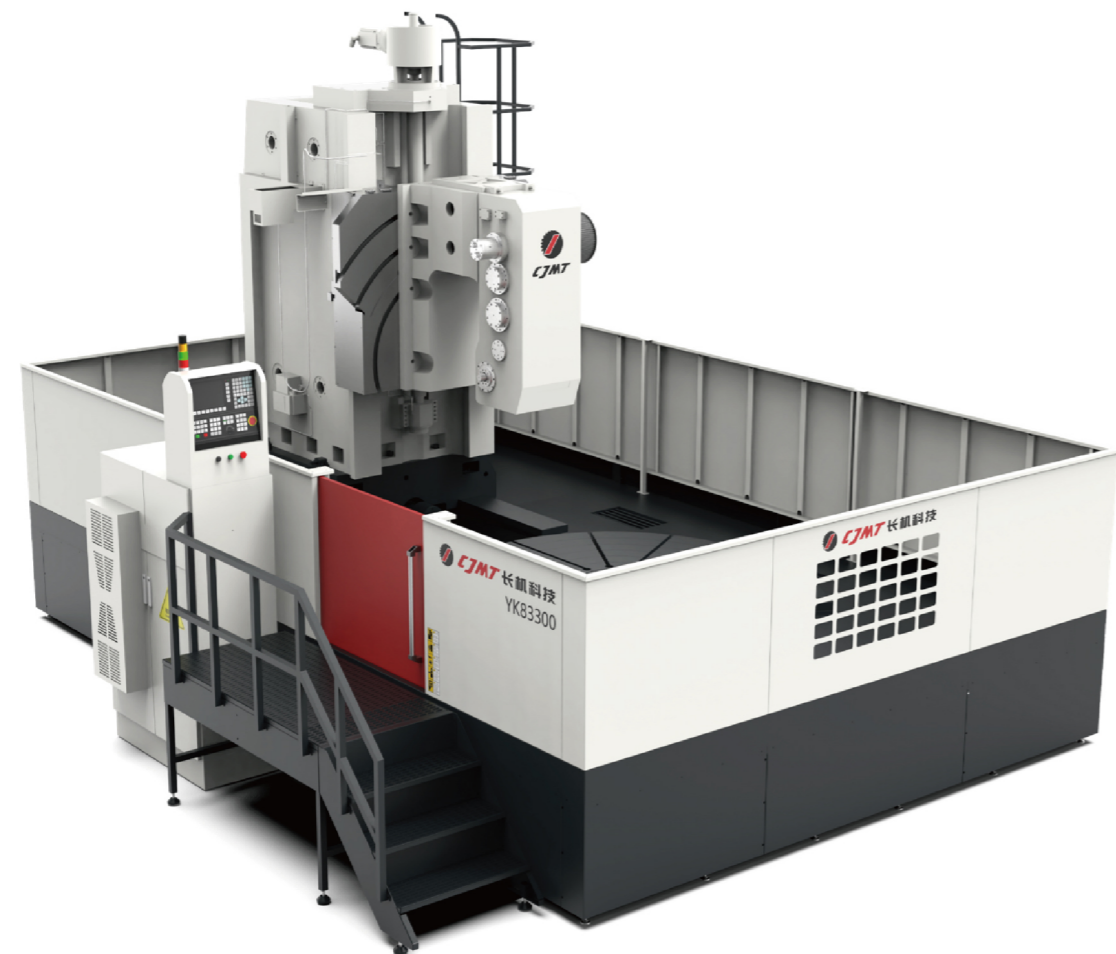
## CNC GEAR MILLING MACHINE

### 机床特点

1. 机床主体采用优质铸铁，筋格布局合理，刚性好、吸振性强；
2. 铣头采用全消除结构，传递大切削功率，降低铣齿切削噪音，提高齿面光洁度，提升刀具寿命；
3. 单/双蜗轮：根据不同行业的特点配置单/双蜗轮高精度高刚性工作台；
4. 刀架轴向运动采用国际先进结构，采用直角减速机、失电控制器、电机抱闸多种方式保障安全；
5. 中大型机床为淬硬钢导轨加滚动块的结构形式，具有无间隙，高刚性的特点。

### MACHINE TOOL FEATURES

1. Machine is made of high-quality cast iron, with a reasonable layout, good rigidity and strong seismic resistance.
2. The milling head adopts a fully anti-backlash structure to transmit large cutting power, reduce cutting noise, improve tooth surface quality, and increase cutter life.
3. High precision and high rigid worktable with single & double worm gear will be configured according to different industries.
4. The axial movement of the cutter spindle used international advanced structure, right angle reducer, power loss controller and brake motor are used to ensure safety.
5. Medium and large machine tools use the structure of hardened steel guide rails with rolling blocks, which has the characteristics of no gap and high rigidity.



### 技术参数 THE MAIN PARAMETERS

名称 Description		型号 Type								
		YK83200B	YK83300C	YK83300D	YK83400	YK83400A	YK83500	YK83500A	YK83600	YK83800
最大模数 Max.module	mm	26	26	26	32	32	32	32	32	40
最大内齿内径(直齿) Max. inner diameter of internal gear	mm	2400	3400	3200	4600	4600	5400	5200	6700	8400
最大外齿外径(直齿) Max. outer diameter of external gear	mm	2200	3200	3000	4500	4500	5200	5200	6500	8100
最小内齿内径(直齿) Min. inner diameter of internal gear	mm	800	1100	1100	1450	1400	1900	2100	2400	4000
最小外齿外径(直齿) Max. outer diameter of external gear	mm	260	950	900	1250	1200	1700	2000	2250	3800
最大螺旋角 Max. helical angle	°	±25	±25	±25	±25	±25	±25	±25	±25	±15
内直齿最大齿宽 Max. face width for internal gear	mm	600	600	600	600	600	600	600	600	750
外直齿最大齿宽 Max. face width for external gear	mm	1000	1000	1000	1000	1000	1000	1000	1000	1200
内齿工件环形厚度(含工装) Max. Annular thickness of the workpiece for Internal Milling	mm	370	370	370	370	370	370	370	370	420
内齿刀盘中心悬深 Internal Milling Housing Vertical Face With the cutter Center	mm	700	700	700	700	700	700	700	700	820
刀盘中心距后壁距离 Internal Milling Housing Vertical Face With the cutter Center	mm	600	600	600	600	600	600	600	600	650
工作台直径 Worktable diameter	mm	1850	2500	2500	3000	3000	3500	3500	3500	5500
工作台承重 Max. Load For the Table	t	约20	约40	约20	约20	约50	约50	约30	约120	约150
铣刀中心距工作面距离 Distance between Milling Cutter center & Table center	mm	400~1550	400~1570	370~1520	590~1750	550~1700	530~1680	550~1650	550~1750	500~2000
内齿铣刀架中心距工作台中心距离 Distance between internal Milling rest & Table center	mm	0~1075	330~1540	320~1460	490~2190	470~2190	720~2600	815~2500	980~3220	1800~4000
外齿铣刀架中心距工作台中心距离 Distance between external Milling rest & Table center	mm	270~1355	610~1820	600~1730	770~2470	750~2470	1000~2880	1100~2850	1260~3500	1950~4500
刀盘直径 Milling Cutter Diameter	mm	420~440	420~440	420~440	440~500	440~500	440~500	440~500	440~500	450~500
刀盘厚度 Milling Cutter Width	mm	90	90	90	120	120	120	120	120	120
刀盘孔径 Milling Cutter Arbor Diameter	mm	90	90	90	100	100	100	100	100	100
切削速度 Cutting Speed	mm/min	0~350	0~350	0~350	0~350	0~350	0~350	0~350	0~350	0~350
快进(退)速度 Fast Feeding(back) Speed	mm/min	0~1800	0~1800	0~1800	0~1800	0~1800	0~1800	0~1800	0~1800	0~1500
工作台转速 Table speed RPM	rpm	0~2	0~1.25	0~2	0~1.2	0~1.25	0~1.25	0~1	0~1.5	0~1
刀盘转速 Milling cutter speed RPM	rpm	70~140	70~140	70~140	70~140	70~140	70~140	70~140	70~140	70~140
主轴径跳 Spindle Runout	mm	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
主电机功率 Main motor	kW	45	45	45	55	55	55	55	55	55
机床总功率 Total power	kW	约78	约100	约90	约78	约115	约115	约78	约120	约160
机床总重量 Total weight	t	约47	约66	约52	约62	约75	约80	约73	约97	约165
外形尺寸(长×宽×高 不含排屑机) Dimension	m	7.5×5×5	8.5×8×5.5	8.1×7.9×5.5	9×6.8×5	10×6.8×5.5	10×7.5×5.5	10×8×5	12.5×9.5×6	15×12×6.5



注：  
1. 重量仅供搬运起重时参考，具体以实物为准；  
2. 外观防护分半防护、全防护，用户可根据实际需要进行选择；  
3. 公司持续创新机床设计，本手册中各系列产品参数将持续优化。

Note:  
1. The weight is for reference only, and the actual product shall prevail.  
2. The appearance protection of this machine tool has two options: semi-protection and full protection, which can be selected according to actual needs;  
3. We continue to innovate machine tool design. The parameters of each series of products in this manual are for reference only. If you have any inquiry, please contact us for the update.