

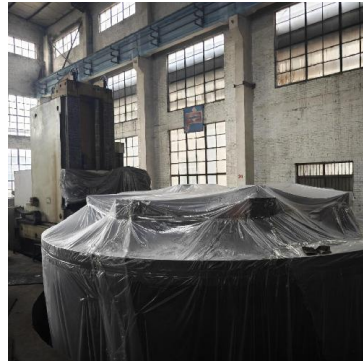
**Machine Name : CNC gear hobbing machine**

**Brand : YINGKOU**

**Machine Model : YK311000-6**

**Stock No. : 488777**

**Ex-factory Date : Lost Ex-factory date**



**Main Technical Parameters:**

CNC CNC System: Siemens 840d

The diameter of the external teeth of the machining workpiece: 3000-10000mm

The maximum module for machining workpiece: 42mm

The maximum travel length of the slide plate: 2000mm

Maximum machining helix Angle:  $\pm 45^\circ$

The maximum diameter of the installable hob is 550mm

The maximum length of the installable hob is 550mm

The maximum travel of the hob: 490mm

The taper of the hob spindle: 100mm

The horizontal distance from the center of the hob to the center of worktable:  
1600-5900mm

The vertical distance from the center of the gear Tool to worktable surface:  
645-2645mm

tool holder speed (A-axis) : 0-2.4d/s

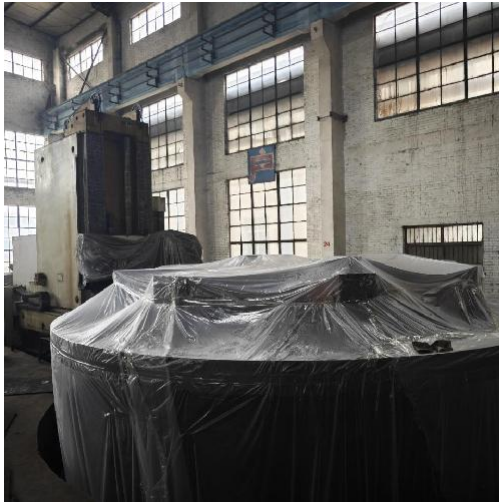
spindle speed of the gear Tool (B-axis) : 10-100 RPM

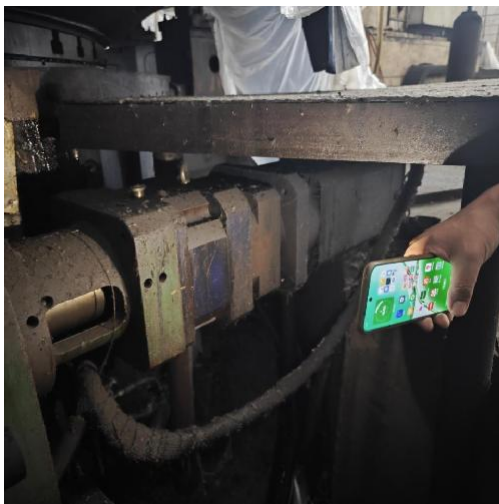
The maximum rotational speed of worktable (C-axis) : 0.2rpm

3 axes rapid shift: 2000\*2000\*1000mm/min

Worktable load: 100,000 kg

The external Footage of machine tool (length/width/height) : 18415\*1100\*5300mm





| 主要技术参数        | 单位     | YK311000 六轴数控滚齿机             | 备注 |
|---------------|--------|------------------------------|----|
| 最大加工工件外径直径    | mm     | φ10000                       |    |
| 最小加工工件外径直径    | mm     | 约φ3000                       |    |
| 加工工件最大吨数      | mm     | 42                           |    |
| 滑板最大行程长度      | mm     | 2000                         |    |
| 最大加工螺旋角       | deg    | ±45°                         |    |
| 可装夹滚刀最大直径     | mm     | φ550                         |    |
| 可装夹滚刀最大长度     | mm     | 550                          |    |
| 滚刀最大滚刀行程      | mm     | 400                          |    |
| 滚刀主轴锥孔        | mm     | 100 (1:10)                   |    |
| 滚刀中心到工作台面水平距离 | mm     | 1600~5900                    |    |
| 滚刀中心到工作台面垂直距离 | mm     | 645~2645                     |    |
| 工作台面直径(孔径)    | mm     | φ4950(φ800)                  |    |
| 附加工作台面直径(孔径)  | mm     | φ8500(φ2360)<br>φ6500(φ2300) |    |
| 刀架回转速度(A轴)    | deg/s  | 0~2.4                        |    |
| 滚刀主轴转速(B轴)    | r/min  | 10~100                       |    |
| 工作台面高转速(C轴)   | r/min  | 0.2                          |    |
| 塔内进给速度(X轴)    | mm/min | 0~3000                       |    |
| 纵向进给速度(Y轴)    | mm/min | 0~2000                       |    |
| 纵向进给速度(Z轴)    | mm/min | 0~1000                       |    |
| 主电机功率         | kW     | 105                          |    |
| 工作台承重         | kg     | 100000                       |    |
| 机床总功率         | kW     | 280                          |    |