

# THREE-SIDED CNC BORING LATHE

Simple and quick operation | Improve processing efficiency | Save labor | Reduce cost



## Characteristics and advantages of machine tools

The machine tool is controlled by a numerical control system, which is easy and fast to operate. Simultaneous processing of three surfaces is fast, improving processing efficiency, saving labor, and reducing costs.

1. The machine tool is suitable for processing various surfaces such as lubrication doors, pipe fittings, and fire hydrants that require parallelism and perpendicularity. It has high processing efficiency, uniform processing dimensions, and easy operation.

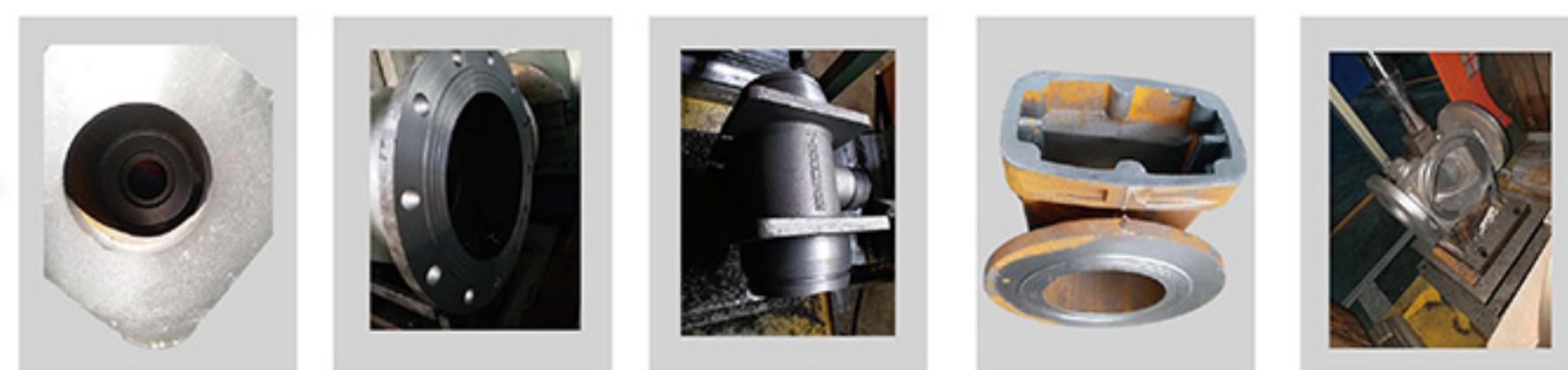
2. High processing efficiency, the machine tool can complete the machining of three outer rings, planes or holes at the same time by using three power heads to work simultaneously during the machining process.

3. Reducing manual labor, one dedicated machine is equivalent to the efficiency of three ordinary devices, and one person can operate 2-3 dedicated machines.

4. The uniformity of machining dimensions is high, and this machine tool is completely controlled by a CNC system. Only one tool alignment is needed to repeatedly machine the same type of workpiece, thereby improving the uniformity of dimensions.

5. Easy to operate, this special machine is completely controlled by a CNC system. Experienced CNC operators or those with a foundation in machine tool processing can learn it at a glance.

Processed Products



## SPECIFICATIONS

| Project<br>项目                                      | Machine tool<br>specification<br>机床规格  | YC III C300HT  | YC III C400HT                           | YC III C600HT                               | YC III C800HT              |                |
|--|--|--|---|---|----------------------------|----------------|
| Technical<br>specifications<br>技术规格                | Maximum turning diameter (mm)<br>最大车削直径 (mm)                                   | φ 460  | φ 580                                   | φ 840                                       | φ 1025                     |                |
|  | Maximum machining length(mm)<br>最大加工长度 (mm)                                    | 600  | 800                                     | 1000  | 1100                       |                |
|  | Minimum machining length(mm)<br>最小加工长度 (mm)                                    | 200  | 300                                     | 300   | 400                        |                |
|  | Intermediate flange to center maximum machining size(mm)<br>中间法兰至中心最大加工尺寸 (mm) | 400  | 600                                     | 700   | 900                        |                |
|  | Intermediate flange to center minimum machining size(mm)<br>中间法兰至中心最小加工尺寸 (mm) | 150  | 200                                     | 200   | 250                        |                |
|  | X-axis travel(mm)<br>X轴行程 (mm)   | 170  | 270                                     | 450   | 570                        |                |
|  | Z-axis travel(mm)<br>Z轴行程 (mm)   | 280  | 395                                     | 450   | 450                        |                |
| Machining<br>precision<br>加工精度                     | Coaxiality(mm)<br>同轴度 (mm)   | ≤0.1   | ≤0.1                                    | ≤0.15                                       | ≤0.2                       |                |
|  | Parallelism(mm)<br>平行度 (mm)  | ≤0.1   | ≤0.1                                    | ≤0.15                                       | ≤0.2                       |                |
|  | Verticality(mm)<br>垂直度 (mm)  | ≤0.1   | ≤0.1                                    | ≤0.15                                       | ≤0.2                       |                |
|  | Surface roughness<br>表面粗糙度   | 6.3  | 6.3                                     | 6.3   | 6.3                        |                |
| Spindle drive<br>主轴传动                              | Transmission from (Gearshifting)<br>传动形式 (齿轮变速)                                | Four speed change<br>4档变速  | Third speed change<br>3档变速              | Second speed change<br>2档变速                 | Third speed change<br>3档变速 |                |
|  | Spindle motor range (r/min)<br>主轴转速范围 (r/min)                                  | 72-256   | 69-157                                  | 32-47                                       | 43-87                      |                |
|  | Spindle motor model<br>主轴电机型号  | YE2-132M-6-5.5KW   | YE2-132M-6-5.5KW                        | YE2-160L-8-7.5KW                            | YE2-180L-8-11KW            |                |
| Numerical control system (optional)<br>数控控制系统 (选配) | Nanjing Huaxing---Step System<br>南京华兴---步进系统                                   | Nanjing Huaxing---Servo system<br>南京华兴---伺服系统                                      | Guangzhou cnc---Stepping<br>广州数控---步进系统 | Guangzhou cnc---Servo system<br>广州数控---伺服系统 |                            |                |
| Feed form(optional)<br>进给形式 (选配)                   | Stepmotor<br>步进电机  | 24N.m  | 24N.m                                   | 35N.m                                       | 50N.m                      |                |
|  | Actuating motor<br>伺服电机  | 7.7N.m   | 7.7N.m                                  | 10N.m                                       | 15N.m                      |                |
| Machine Bedoutersha<br>机床外形                        | Full protection<br>全防护   | Overall dimension of machinetool (length X width X height)(mm)<br>机床外形尺寸 (长X宽X高mm) | 3800X2700X1700                          | 4500X3300X2200                              | 5000X3600X2200             | 5400X3900X2500 |
|  | Simple protection<br>简易防护  | Overall dimension of machinetool (length X width X height)(mm)<br>机床外形尺寸 (长X宽X高mm) | 3600X2600X1700                          | 4350X3200X2200                              | 4800X3500X2200             | 5200X3800X2500 |
| Machine tool weight (kg)<br>机床重量 (kg)              |  | 4500   | 6500                                    | 8000  | 11000                      |                |