

# SWING ANGLE 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. It can process three surfaces simultaneously at a fast speed, improve processing efficiency, save labor, and reduce costs.

1. The machine tool is suitable for various flange fittings and elbows: This machine tool can process various fittings such as straight tees, straight pipes, 90° elbows, 11.25° elbows, 22.5° elbows, 30° elbows, 45° elbows, etc. by adjusting the sliding table angle. It has high processing efficiency, reduces labor, high uniformity of processing dimensions, and is easy to operate.

2. High processing efficiency, the machine tool can complete the machining of three flanges, 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 special machine is completely controlled by a CNC system. With only one tool alignment, the same model of work can be repeatedly machined, thereby improving the uniformity of dimensions.

5. Easy to operate, this special machine is controlled by a numerical control system, and those with numerical control operation experience can learn it immediately.

Processed Products



## SPECIFICATIONS

Project 项目	Machine tool specification 机床规格	YC III C300HT
Technical specifications 技术规格	Maximum turning diameter (mm) 最大车削直径 (mm)	φ 460
	Maximum machining length(mm) 最大加工长度 (mm)	800
	Minimum machining length(mm) 最小加工长度 (mm)	200
	Intermediate flange to center maximum machining size(mm) 中间法兰至中心最大加工尺寸 (mm)	400
	Intermediate flange to center minimum machining size(mm) 中间法兰至中心最小加工尺寸 (mm)	150
	Meet the machining angle 满足加工角度	11.25、22.5、30、45、90、180
	X-axis travel(mm) X轴行程 (mm)	170
Z-axis travel(mm) Z轴行程 (mm)	450	
Machining precision 加工精度	Coaxiality(mm) 同轴度 (mm)	≤0.1
	Parallelism(mm) 平行度 (mm)	≤0.1
	Verticality(mm) 垂直度 (mm)	≤0.1
	Surface roughness 表面粗糙度	6.3
Main transmission 主传动	Transmission from (Gearshifting) 传动形式 (齿轮变速)	Four speed change 4档变速
	Spindle motor range (r/min) 主轴转速范围 (r/min)	72-256
	Spindle motor model 主轴电机型号	YE2-132M-6-5.5KW
Numerical control system (optional) 数控控制系统 (选配)	Nanjing Huaxing—Step System 南京华兴——步进系统 南京华兴——伺服系统 Nanjing Huaxing—Servo system Guangzhou cnc—Stepping 广州数控——步进系统 广州数控——伺服系统 Guangzhou cnc—Servo system	
Feed form(optional) 进给形式 (选配)	Stepmotor 步进电机	24N.m
	Actuating motor 伺服电机	7.7N.m
Machine tool shape 机床外形	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	3950 × 2750 × 1800
	Overall dimension of machinetool (length X width X height)(mm) 机床外形尺寸 (长X宽X高mm)	4150 × 3000 × 1800
Machine tool weight(kg) 机床重量 (kg)		5800