

# High end intelligent centrifuge

## CNC Swiss type automatic lathe (single spindle)

# YJ-LD-205

The diameter of through-hole bar material is divided into: 126/206/266/326

H I G H - E N D I N T E L L I G E N T W A L K I N G M A C H I N E

Linkage: Six axis 266/326

Cancel Y2 axis module unit

Linkage: Five axis 265/325

### • Model Introduction

This model product adopts advanced design, processing, and manufacturing technology, and is one of the products designed and developed by our company with independent intellectual property rights. The machine tool structure design is more reasonable, and the rigidity, accuracy retention, and reliability of the machine tool are better. By introducing advanced design concepts and scientific design techniques, it solves many shortcomings that traditional design cannot avoid, and has advantages such as high precision, high rigidity, high speed, and high efficiency. Equipped with automatic feeding and receiving devices, saving time, effort, and labor. Shortening the production cycle enables users to achieve better economic benefits.

The crossbeam structure of the machine tool bed adopts an integrated structural design, which makes it difficult for iron cutting to wrap around the blade. High strength and high toughness castings undergo two tempering and aging treatments to ensure the quality and stability of the machine tool. Equipped with automatic feeding and receiving devices, the production cycle is shortened.

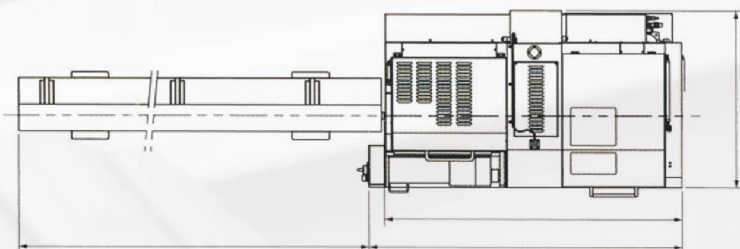


### 1. CONFIGURATION 配置

- The integrated cast iron bed is tempered twice to ensure the stability of the machine tool;
- Each axis adopts a high rigidity linear guide rail to ensure the accuracy of the machine tool and improve its speed;
- The spindle and screw are all equipped with NSK P4 grade bearings to ensure the accuracy of the machine tool;

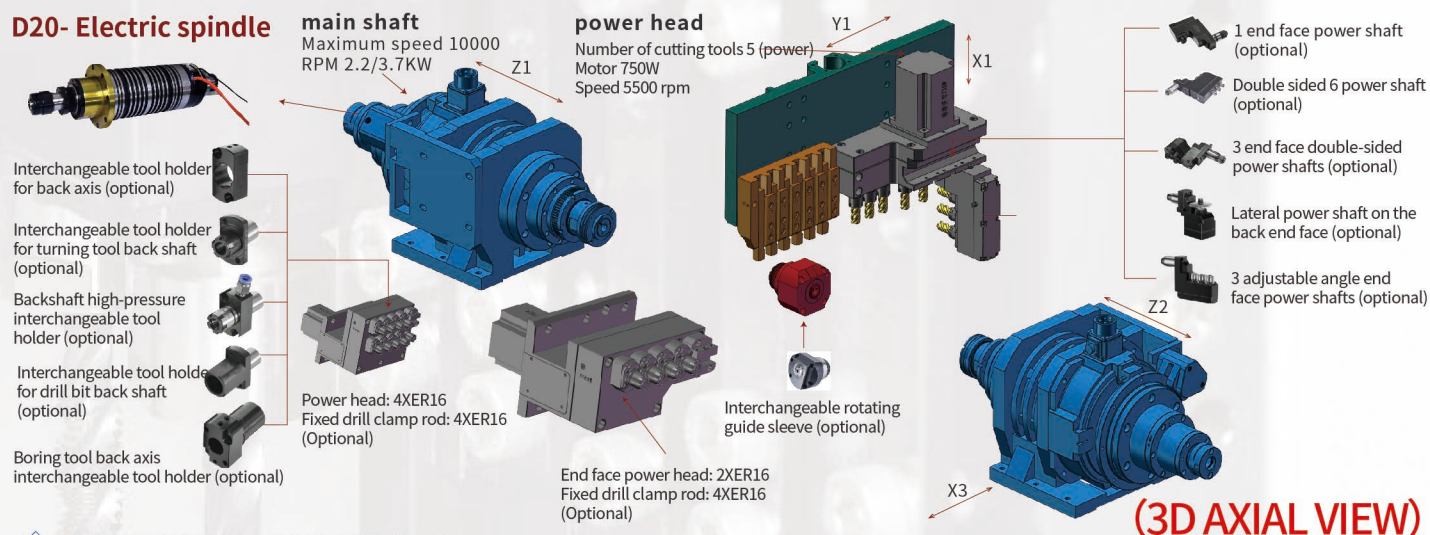
### 2. PERFORMANCE 性能

- 20mm processing capacity, standard part length with guide sleeve 200mm;
- A maximum of 19 cutting tools can be installed, with 3 on the front and 4 on the back being rotating tools;
- You can work with or without a guide sleeve;



Overall dimension	length	width	height
Unit: mm	2550	1300	1700

## D20- Electric spindle



## TECHNICAL PARAMETER

技术参数

Standard NC control system	Taiwan New Generation/Yuanjie Customization
Maximum machining diameter	20mm
Effective machining stroke with guide sleeve	200mm/clamping
Effective machining stroke without guide sleeve	60mm
Maximum drilling diameter of the main spindle end face	11mm
Maximum drilling depth of the main spindle end face	50mm
Spindle through-hole diameter	21mm
Spindle rotation speed	8000rpm
Maximum diameter of rotating tool	11mm
Maximum rotation speed of rotating tool	5500rpm
Maximum collet diameter of the back spindle	20mm
Maximum drilling diameter of the back spindle end face	11mm
Rear spindle rotation speed	8000rpm
Tool installation quantity	21
Tool arrangement for turning tools	6
Side rotating tool	4
Front drilling tool	4
Back drilling tool	4
Tool (turning tool)	12mm×7
Spindle spring collet	BU26
Guide sleeve	BU26
Rear spindle spring collet	BU26
Side rotating tool collet	ER16
Front drilling tool	ER16



## FAST FEED SPEED

快速进给速度

X1/Y1/Z1/X2/Z2	24m/min
Y2	24m/min



## ELECTRICAL MACHINERY

电机

Spindle motor	2.2KW
Rotating tool motor	0.75KW
Backspindle motor	2.2kw
Axial motor	0.85kw
center height	990mm
power capacity	12KVA
Required air pressure for pneumatic devices	0.5mpa
Machine weight	3000kg
Machine dimensions (length x width x height)	2550X1300X1700mm
Fuel tank capacity	135L