

## Adhering to the spirit of craftsmanship, technology drives the future

秉承工匠精神，技术驱动未来

### 刚性 RIGIDITY

- 高刚性、直接式台湾主轴，Z轴采用滚柱线轨，具备高刚性、高稳定性的铣削特点；
- 床体为加宽加大型整体铸件，加宽鞍座，机床在设计过程中通过有限元分析使结构更加合理。
- High rigidity, direct Taiwan spindle, z-axis adopts roller rail, which has the milling characteristics of high rigidity and high stability;
- The machine body is a widened and large-scale integral casting, and the saddle is also widened. The structure of the machine tool is more reasonable through finite element analysis in the design process.

### 效率 EFFICIENCY

- T6台湾原装进口杰斗笠式刀库，采用伺服电机控制刀库旋转，通过联动换刀机构，运转速度快，位置精度高，保证快速换刀；
- 控制系统采用标准配置三菱M80数控系统。配备第四轴接口，工件/刀具测量接口，标准RS-232接口及DNC功能。
- T6 Taiwan's original Sanjet hat type tool magazine adopts the servo motor to control the rotation of the tool magazine. Through the linkage tool change mechanism, it has fast operation speed and high position accuracy to ensure rapid tool change;
- The control system adopts Mitsubishi M80 numerical control system with standard configuration. Equipped with the fourth axis interface, work piece or tool measurement interface, standard RS-232 interface and DNC function.

### 精度 ACCURACY

- 各传动轴均采用激光测量仪补偿，使各轴定位精度更加准确；
- 主轴利用动态平衡校正设备，直接校正主轴动态平衡，使主轴在高速运转时，避免产生共振现象，确保的加工精度。
- Each transmission shaft is compensated by laser measuring instrument, so that the positioning accuracy of each shaft is more accurate;
- The main shaft uses the dynamic balance correction equipment to directly correct the dynamic balance of the main shaft, so as to avoid resonance when the main shaft is running at high speed and ensure the machining accuracy.

we take unparalleled persistence and innovation, and is driven by mastering core technology and technological innovation; Relying on years of industry experience, we will provide you with efficient parts processing automation solutions.



## Technology

技术工艺

主轴电机动平衡

Spindle motor  
dynamic balance

三轴移动磨合  
72H

Tool library three-  
axis mobile running-  
in 72H

镭射检测

Laser detection

几何精度检测

Geometric accuracy  
detection

三次元试切  
精度检测

Three-dimensional  
trial cutting accuracy  
detection



# 效率与精度的完美结合

The perfect combination of efficiency and precision



图片以实物为准  
The picture shall be subject to the real object.

## Application area

### 应用领域

广泛应用于新能源、汽车零配件、3C、医疗等行业。  
Widely used in new energy, auto parts, 3C, medical and other industries.



| 项目 Item   |  |            | T6                               |
|---|--|------------|----------------------------------|
| 加工范围<br>Processing range  | X轴行程 X axis stroke                                     | mm         | 600                              |
|   | Y轴行程 y axis stroke                                     | mm         | 400                              |
|   | Z轴行程 z axis stroke                                     | mm         | 320                              |
|   | 主轴端面至工作台距离 Distance from spindle end to workbench      | mm         | 170 – 490                        |
| 工作台<br>Workbench  | 工作台面积 Workbench area                                   | mm         | 700 × 420                        |
|   | 最大承重 Max weight capacity                               | kg         | 250                              |
|   | T型槽 (宽度 × 槽数 × 间距) T-slot (width*slot number*spacing)  | mm         | 14T × 3 × 120                    |
| 主轴<br>Spindle   | 主轴驱动方式 Spindle drive mode                              | \          | 直驱 Direct drive                  |
|   | 主轴转速 main axis speed                                   | rpm        | 20000                            |
|   | 主轴功率 (连续/过载) Spindle power (continuous/overload)       | kW         | 3.7/5.5                          |
|   | 主轴扭矩 (连续/过载) Spindle torque (continuous/overload)      | N.m        | 14/18                            |
|   | 主轴锥孔 Spindle taper                                     | \          | BT30                             |
|   | 拉钉角度 Pul nail angle                                    | °          | 45°                              |
| 进给驱动<br>Feed drive  | X、Y、Z轴快移速度 X, Y, Z axis rapid traverse speed           | m/min      | 48/48/48(36)                     |
|   | X、Y、Z轴伺服电机功率 X, Y, Z axis servo motor power            | kW         | 1.5/1.5/3                        |
|   | X、Y、Z轴伺服电机转速 X, Y, Z axis servo motor speed            | rpm        | 3000/3000/3000                   |
|   | X、Y、Z轴丝杠直径 X, Y, Z axis screw diameter                 | mm         | 28/28/32                         |
| 线性导轨 (线轨宽/滑块数量) Linear guide rail (line rail width/number of sliders) | mm   | XYZ:30 × 2 |                                  |
| 刀库<br>Tool library  | 刀库容量 Tool library capacity                             | 把          | 21                               |
|   | 刀库形式 Tool library form                                 | \          | 斗立伺服刀库 Douli Servo Tool Magazine |
|   | 刀具最大直径/邻空刀 Maximum tool diameter / adjacent empty tool | mm         | Φ60/Φ80                          |
|   | 最大刀具长度 Maximum tool length                             | mm         | 200                              |
|   | 刀具最大重量 Maximum tool weight                             | kg/把       | 2                                |
|   | 换刀时间 Tool change time                                  | s          | 1.4                              |
| 定位精度 positioning accuracy   | X/Y/Z轴   | mm         | 0.008                            |
| 重复定位精度 Repeated positioning accuracy                                  | X/Y/Z轴   | mm         | 0.005                            |
| 数控系统 CNC system   | \  |            | 三菱M80 Mitsubishi M80             |
| 气源压力 Air pressure   |  | MPa        | 0.5 – 0.8                        |
| 机床电源 Machine power  |  | V/Hz       | 380V/50Hz                        |
| 机床重量 Machine weight   |  | KG         | 约3200                            |
| 占地面积 Floor space  |  | mm         | 1800 × 2100                      |

## 选配 Optional

|                                   |   |   |   |   |   |   |   |
|-----------------------------------|---|---|---|---|---|---|---|
| 1.系统<br>System                    | <input type="checkbox"/> 三菱M80A系统 Mitsubishi M80A System  | <input type="checkbox"/> 西门子系统 Siemens System | <input type="checkbox"/> Fanuc系统 Fanuc System | <input type="checkbox"/> 新代系统 Syntec System | 5.探头<br>Probe                                   | <input type="checkbox"/> 雷尼绍OMP40-2 Renishaw OMP40-2  | <input type="checkbox"/> 国产品牌 Domestic brands |
| 2.主轴<br>Spindle                   | <input type="checkbox"/> 直连24000rpm direct drive 24000rpm |   |   |   | 6.立柱加高<br>Heightened probe column               | <input type="checkbox"/> 加高200mm 200mm heightened   |   |
| 3.接触式对刀仪<br>Contact tool setter   | <input type="checkbox"/> 雷尼绍 Renishaw                     | <input type="checkbox"/> 美德龙 Metrol           | <input type="checkbox"/> 国产品牌 Domestic brands |   | 7.排屑机<br>Chip conveyor                          | <input type="checkbox"/> 链式排屑机 Chain chip conveyor  |   |
| 4.四轴五轴<br>four-axis and five-axis | <input type="checkbox"/> 恒望 Hengwang                      | <input type="checkbox"/> 潘佳 Tanja             | <input type="checkbox"/> 古田 Gutian            |   | 8.主轴中心出水<br>Central water outlet of main shaft: | <input type="checkbox"/> 2Mpa中心出水(水过滤、高压泵) 2Mpa central water outlet (water filtration, high-pressure pump) |   |