



小体积，大能量

Compact Yet Powerful

铣削主轴
Milling Spindle



产品特点

- 心轴经过深冷处理，热变量小，加工精度优良
- 内部冷却系统采螺旋式循环，达高效率运作
- 采多颗排列欧洲轴承，实现卓越刚性
- 内置标配PT-100 温度感测器

Features

- Thermal deformation is lower owing to cryogenically treated shaft. Machining accuracy is excellent.
- The internal cooling system adopts spiral circulation to achieve high-efficiency operation.
- Equipped with multiple arranged European bearings, achieving exceptional rigidity.
- Equipped with PT-100 temp sensor.



SMI120TFVW



SMI180

车床电主轴
Lathe Electro spindle



产品特点

- 体积小、安装便捷
- 低速大扭力
- 电机后置售后无忧
- IP68 防水、防尘等级

Features

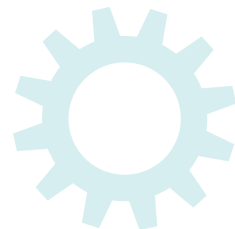
- Compact size, easy installation
- High torque at low speed
- Rear-mounted motor for hassle-free maintenance
- IP68 rating

A2-6



Redefine
Tomorrow

Realize
Potential



APR. 21~26

逆風成長 一路同行

攤位號 Booth#

B3-901

上海德霄 GP Int'l Co.,Ltd



霄特國際 X 特品國際
上海德霄



EMO

H A N N O V E R

22-26/09/2025

Coming Soon...

第25届立嘉国际智能装备展览会

The 25th Lijia International Intelligent Equipment Exhibition

2025/05/13-16

重庆国际博览中心 (两江新区悦来会展城)
Chongqing International Expo Center, Yuelai Convention and Exhibition City, Liangjiang New Area, Chongqing, China

2025年西安国际机床展-华机展

XI' AN INTERNATIONAL MACHINE TOOL EXHIBITION

2025/06/05-08

陕西 西安国际会展中心
Shaanxi, China

2025年第28届青岛国际机床展

Qingdao International Machine Tool Exhibition

2025/06/18-22

青岛国际博览中心 (即墨)
Qingdao International Expo Center, Jimo District, Qingdao, China

2025年天津国际机床展

TIANJIN INTERNATIONAL MACHINE TOOL EXHIBITION

2025/08/27-30

国家会展中心(天津)
National Exhibition and Convention Center, Tianjin, China



上海德霄



Turret
Tool Holder



Spindle

九十度侧铣头

ANGLE HEAD



定位销给水
Coolant dowel pin

机械主轴
Machine spindle
BT/GBT
CAT/SCAT
DAT/SDAT

- ▶ 最高转速: 3,000rpm
- ▶ 最大扭矩值: 50N-m
- ▶ 可耐最高水压: 7kgf/cm²(100PSI)
- ▶ 所有角度头系列皆适用ATC自动换刀系统
- ▶ Max. revolution: 3,000rpm.
- ▶ Max. torque: 50N-m.
- ▶ Max. coolant pressure: 7kgf/cm²(100PSI).
- ▶ ATC is available for all angle head series.

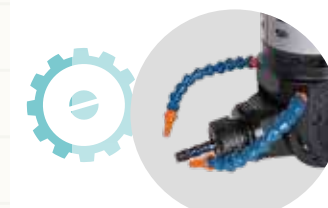
出水珠出水
Coolant through
coolant nozzle

心轴
Output
SBT30
PSC50
ER40
MLD32
FMA25.4

万向铣削头

UNIVERSAL TYPE

- ▶ 最高转速: 4,000rpm
- ▶ 最大扭矩值: 40N-m
- ▶ 可耐最高水压: 20 kgf/cm² (20bar)
- ▶ 所有角度头系列皆适用ATC自动换刀系统
- ▶ Max. revolution: 4,000rpm.
- ▶ Max. torque: 40N-m.
- ▶ Max. coolant pressure: 20 kgf/cm²(20bar).
- ▶ ATC is available for all angle head series.



- ▶ 冷却液由万向曲管出水或出水珠出水
- ▶ Coolant comes out through adjustable coolant hose or nozzle.

机械主轴
Machine spindle
BT/GBT
CAT/SCAT

心轴
Output
ER32

定位销给水
Coolant dowel pin

- ▶ 角度调整分度1°
心轴可调整0°到90°
- ▶ Angle adjustment: 1° increments
Spindle adjustable from 0° to 90°

PSC 高精 高速 方案 8,000转长时运转

High accuracy solution

8,000rpm Continuous Motion Type



Push button 按钮式

操作简单，换刀速度快，
油压提供稳定夹持力。
Simple operation. Fast tool change.
Hydraulic system provides stable
clamping force.

手动换刀

Manual tool change

人工操作，结构简单。
PSC clamping unit embedded inside tool
disc. Easy and fast operation.
Repeating accuracy 2 μ m.



产品特点

- PSC 特殊三角多边形锥度面提供高扭矩与高夹持刚性
- 模组化设计,可快速换刀
- 重复精度可达2 μ m
- 适用车削、铣削、钻削等各式加工

Features

- Polygonal taper surface of PSC system ensures superior rigidity, which translates to higher precision in machining operations. Repeating accuracy 2 μ m.
- Balanced, concentric, self-centering features and modular design enable quick tool change and boosts productivity.
- Applicable to various machining purposes.

Spec

Turret Type	Tool Disc specs	Tool holder specs as is → to
440.216	PCD270/8T	VDI30 → C4
440.220	PCD370/12T	VDI40 → C5
440.225	PCD420/12T	VDI50 → C6
440.232	PCD460/12T	VDI60 → C8

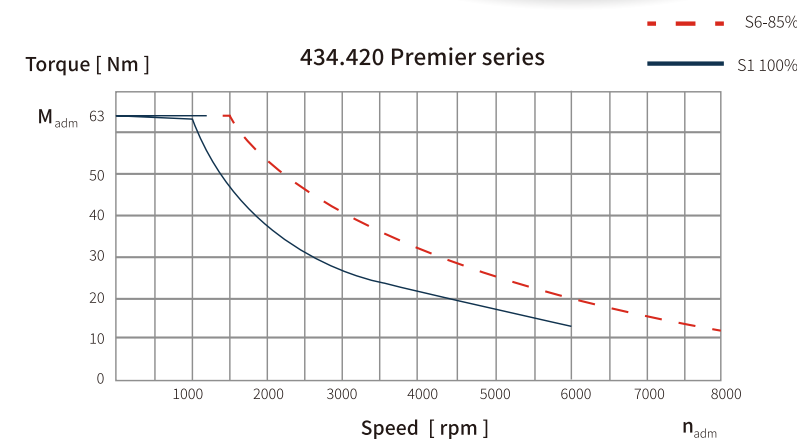
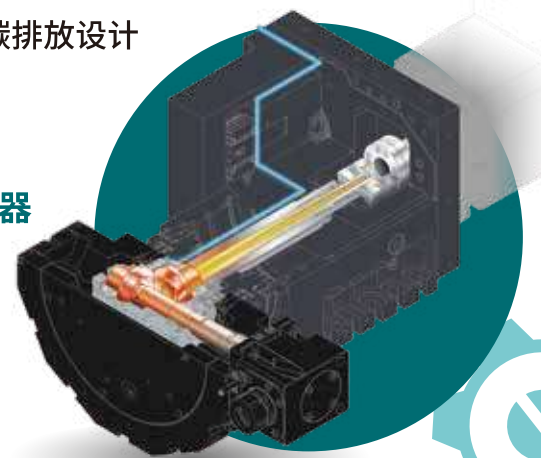
产品特点

高速长时运转、降低热变形：

- 专利散热设计、维持刀盘热稳定性
- 动力刀转速8,000rpm, 低碳排放设计
- 可用于干切加工条件

超高压出水70~150bar

内建PT100高精度温度感测器



Features

High speed , long time operation

- Patented design – Reducing thermal deformation
- Tool drive speed < 6,000rpm : continuous operation allowed
- Tool drive speed at 8,000rpm : continuous operation for 30mins; thermal displacement of tool disc < 10 μ m, temp < 65°C

High pressure coolant : 70~150bar

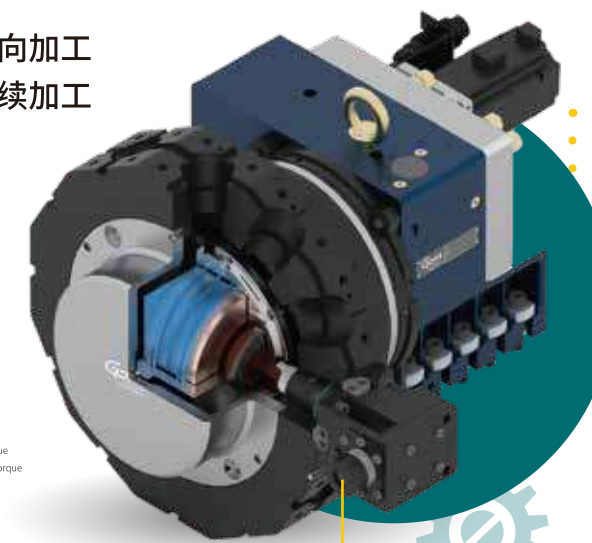
PT-100 high precision temp sensor

12,000转内藏式刀塔

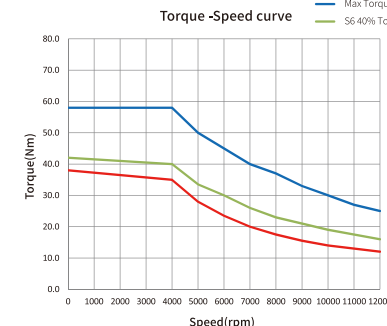
12,000 rpm DD Turret

产品特点

- 内藏式电机设计，节省安装空间 25~50%
- 转速高达 12,000 rpm (size 20)
- 扭力高达 35 Nm (size 20)
- 适用 BMT 介面
- 特殊本体设计，可背向加工
- 特殊冷却系统，可连续加工
- 可干切加工
- 极静作业



可选搭 PSC 介面

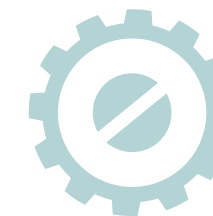


Features

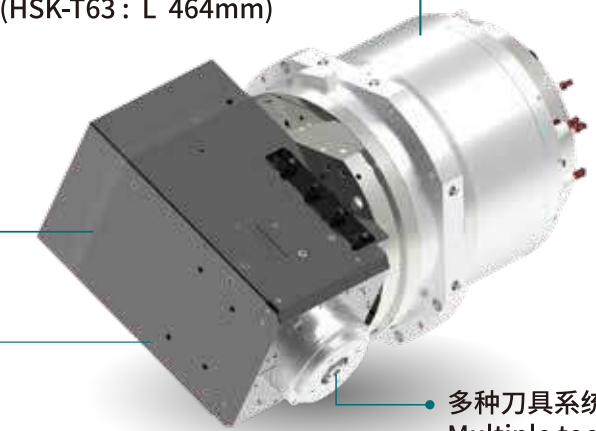
- Built-in motor design, saves 25~50% installation space
- Speed up to 12,000 rpm (size 20)
- Torque up to 35 Nm (size 20)
- Suitable for BMT interfaces
- Special housing design for back machining
- Special cooling design for continuous motion processing
- Dry cutting possible
- Quiet running

TURN-MILL head B轴车铣头

Motor spindle + B-axis DD table



- 搭载永磁电机，体型小巧
Equipped with permanent-magnet motor, compact design (HSK-T63 : L 464mm)



- 转台煞车
标配：72齿三片齿(5度一分割)
Brake on table
Std：72 teeth coupling
(5degree/split)

- 多种刀具系统选择
Multiple tool system available
(HSK T40/63/100,PSC C4/C6/C8)

最高转速/ Max speed: 12,000 rpm
S1 torque: 88.3 Nm

PSC 刀把展示

PSC interface Tool

主轴校正棒

- 确保加工精度，延长刀具寿命
- 检测主轴潜在问题

Spindle Testing Rod

- Ensure machining accuracy and extend tool life.
- Detecting potential problems



原点规

- 校正设备原点精度

Origin gauge

- Calibrate device origin accuracy



外径车刀 OD Turning tool

- 具有高扭矩传递能力
- 抗弯曲刚性
- 重复定位精度高



内径车刀 ID Turning tool

- High torque transfer capability
- High bending stiffness
- High repeating accuracy

