

技术参数 Technical Data

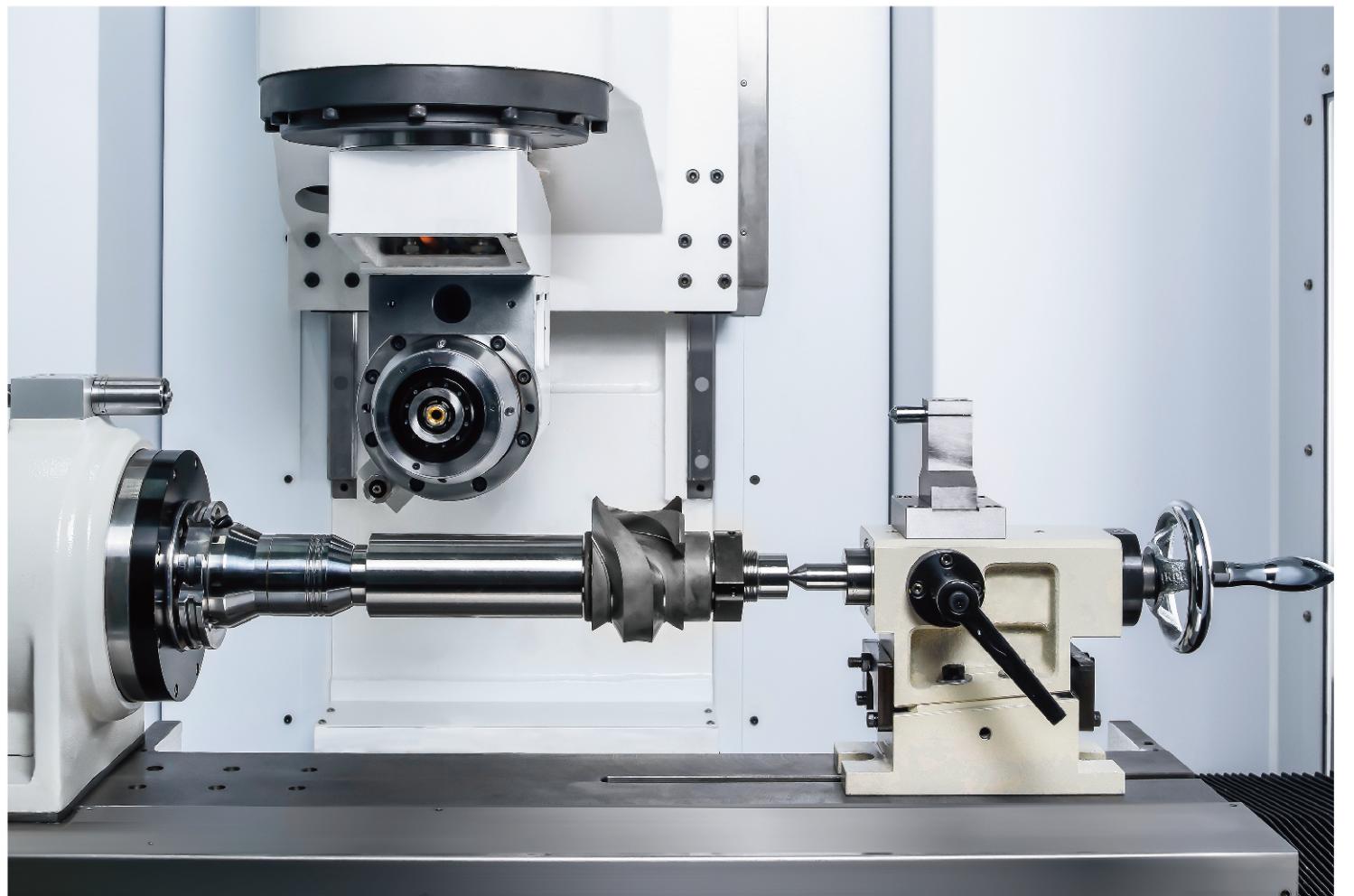
数控系统 CNC control system		力士乐 Rexroth
轴行程 Axis travel		
X轴	X axis	360mm
Y轴	Y axis	300mm
Z轴	Z axis	200mm
驱动 Drive		
A轴(工件轴)	直驱电机 Direct drive motor	A axis (Work piece axis) 气动自动加紧系统 BT50 Pneumatic automatic tightening system
C轴(旋转轴)	直驱电机 Direct drive motor	Caxis (Rotation axis) +95~185
主轴 Spindle		
高频旋转主轴	High frequency rotating spindle	7KW 最高转速 (Speed max) 30000 rpm
主轴接口方式	Spindle interface connection mode	气动自动加紧系统 BT40 Pneumatic automatic tightening system
主轴冷却	Spindle cooling	独立油冷 (Separate oil) cooling
测量系统 Measurement system		
工件自动测量	Auto workpiece probing system	标配 (Standard)
砂轮自动测量	Auto wheel measuring system	标配 (Standard)
砂轮修整系统 Measurement system		
砂轮在线修整	Auto wheel dressing	标配 (Standard)
机床尺寸 Machine dimensions		
长度/宽度/高度	Length / Width / Height	2038mm*1805mm*2150mm
重量	Weight	约 (Appr.) 3800kg
电源	Power supply	380V-50HZ / 65A
压缩空气	Air supply	≥5bar
颜色	Colour	PANTONE 10018/190118

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Suzhou Haller company reserves the right to modify or upgrade the technical specifications.

德国设计
GERMAN DESIGN
欧洲品质
EUROPEAN QUALITY
中国智造
MADE IN CHINA





功能优势 Function Advantage

- ◆ 铸铁床身刚性好，不易变形，耐磨性高；
Cast iron machine bed has good rigidity, high wear-resistance, not easy to deform;
- ◆ 五轴联动，高度的灵活性，充分满足自动化加工的多种要求；
5-axis grinding with high flexibility to fully satisfy multi-requirements of automatic processing;
- ◆ 自动探测系统，可检测工件起始位置，无需人工调试；
Automatic probing system for starting position detection without manual commissioning;
- ◆ 大功率高频主轴，转速高，加工速度快；
High power spindle with high speed, fast processing;
- ◆ 自主开发的弧面凸轮磨削软件，操作简单；
Innovative cambered cam grinding software for easy operating;
- ◆ 力士乐控制器，开放的系统，简单的工程设计和便捷的维护；
Rexroth control system with open interface, simple engineering design and convenient for maintenance;
- ◆ X/Y/Z轴采用直线电机，替代传统丝杆，速度快，无反向间隙；
X/Y/Z axis with linear motor instead of traditional ball screw, fast with no backlash;
- ◆ 各直线轴配海德汉光栅尺，保证加工精度；
Linear axis equipped with Heidenhain glass scale, ensure the precision;
- ◆ 金刚笔自动修正砂轮直径；
Diamond pen automatic dressing grinding wheel diameter;
- ◆ 标配气动脚踏板，以控制工件轴夹紧和松开，符合人体工程学原理。
Pneumatic foot pedal control for clamping and releasing workpiece, conform to ergonomic principle.

磨削软件 Software

自主开发的弧面凸轮磨削软件，与减速机实际运行轨迹高度吻合，使用者只需在机床界面上输入工件的必要参数，软件就会自动生成磨削程序，简便可行。

Innovative cambered cam grinding software, highly consistent with the actual running path of the decelerator. The user only needs to input the necessary parameters of the work piece on the machine interface, and the software will automatically generate the grinding program, simple and feasible.

凸轮曲线 Cam Curve

名称 Name	加速度曲线 Acceleration curve	Vm	Am	Jm	Qm
MS 变形正弦曲线		1.76	± 5.53	+ 69.5 - 23.2	± 0.99
MC 变形匀速曲线 (MCV50)		1.28	± 8.01	+ 201.4 - 67.1	± 0.72
变形匀速曲线 (MCV25)		1.48	± 6.19	+ 103.8 - 34.6	± 0.83
MT 变形台型曲线		2.00	± 4.89	± 61.4	± 1.65
TR TR曲线		2.18	± 6.17	± 77.5	± 1.76

可加工示例 Application Example

