

## 玻璃 CNC 自动钻孔机 AUTOMATIC GLASS CNC DRILLING MACHING

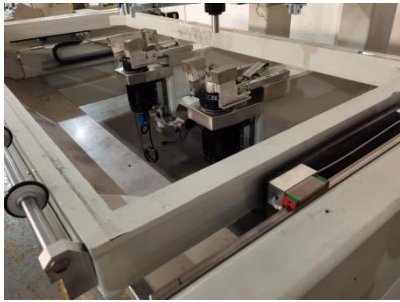


## 技术特点 Technical Feature

### 设备框架: Monoblock Design

整机由一组高强度钢材焊接成稳定的集合钢结构，该结构有一个稳固基座组成稳定的的支架结构，并经过退火及高频时效处理，整机各加工面一体加工成型。

The whole machine is welded by a group of high-strength steel into a stable set of steel structure, the structure has a stable base to form a stable bracket structure, and after annealing and high-frequency aging treatment, the processing surface of the whole machine is processed and formed as one.



### 钻孔 U 型弯头结构: U-Shaped Elbow Structure

高强度 U 型弯头为钻孔机重要的机械组成部分；并经过多重内应力消除处理，整框架不易变形；

The high-strength U-shaped elbow is an important mechanical part of the drilling machine, and after multiple internal stress relief treatment, the whole frame is not easy to deform.



### 整机伺服配置: Servo Configuration

本机配备 X/Y/Z 共计 9 轴（其中 Y 轴有 Y1 和 Y 两轴）。丝杠导轨和滑块均采用台湾或者欧洲品牌，保证机器运转的稳定性。The crossbeam of this machine is equipped with X/Y/Z with a total of four axes (of which the Y axis has Y1 and Y axes). The lead screw guide and slide are made of Taiwan or European brands to ensure the stability of the machine operation.



### 电气配置: Electrical Configuration

配置国际知名品牌的电气，保证设备连续运转的稳定，减少故障率；

Equipped with internationally renowned brand electrical to ensure the stability of continuous operation of equipment and reduce the failure rate;



**台面平整度: Countertop Flatness**

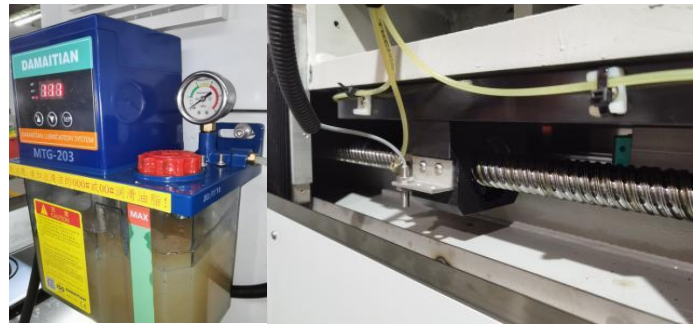
台面采用厚铝框架, 经过龙门铣加工, 不易变形平整度在 0.1mm 以内;

The table surface is made of thick aluminum frame, which is milled by gantry and is not easy to deform and flatness within 0.1mm;



**自动润滑系统: Automatic Lubrication System**

整机配备自动润滑系统, 有效保证丝杠导轨和滑块的润滑; Machine is equipped with an automatic lubrication system to effectively ensure all the movement parts been well lubricated all the time.



**控制系统: Control System**

控制卡/IPC

Control card, and IPC (WINDOWS 10);



**变压器/稳压器: Transformers/Regulators**

变压器/稳压器, 保护机器因为电压过大或者过小造成设备的损坏;

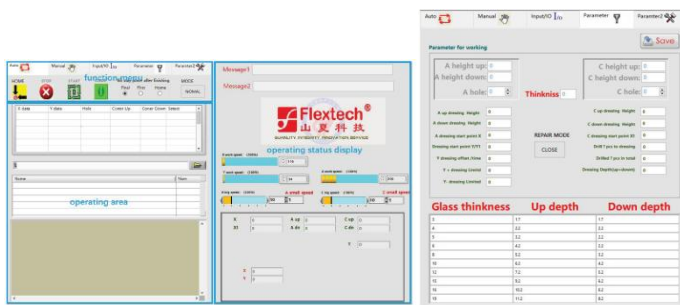
Equipped with a transformer to protect the machine from equipment damage caused by too large or too small voltage;



**操作界面: Operation Interface**

操作界面, 系统包括中英文语言, 配备中英文说明书。用户可以掌握设备的完整性能。

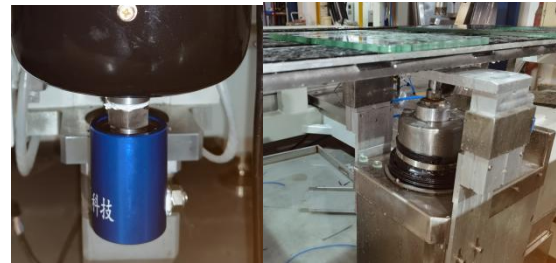
Operation interface, and the system contains Chinese and English languages and the operator can access the machine in short time.



**供水与防水设置: Stable water supply and waterproofing settings**

稳定耐用水接头结构, 保证钻孔供水; 特殊设计下钻结构以及防水结构;

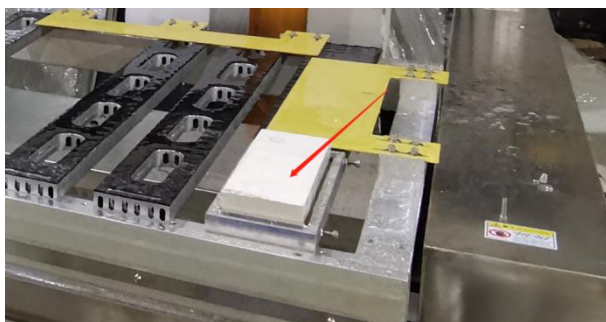
Stable and durable water joint structure to ensure drilling water supply; Specially designed drilling structure and waterproof structure for down spindle;



**自动修钻头功能: Drilling Bits Auto Dressing**

配备自动修钻头功能;

Equipped with Bits auto dressing. (OPTION)



**物料跟踪: Material Tracking**

各钣金均激光雕刻有物料编码, 客户只需提供物料编码, 即可调出图纸;

Each sheet metal is laser engraved with material code, customers only need to provide material code, you can call up the drawing;



## 型号规格 Technical Specification

No.	型号 Model	DT-2008
1	主轴数量 Spindles Qty	Two Pairs of Spindles(4 sets in total)
2	加工最大尺寸 max glass size	2000*800mm
3	玻璃厚度 Glass Thickness	4-12mm
4	孔径范围 Hole Diameter	Φ5-Φ45mm
5	设备重量 Machine Weight	2150kg
6	外形尺寸 Machine Dimension (mm)	3200*2300*1850
7	装机功率 Install Power	17KW
8	电压 Power Supply	380V(+/-10%)/50HZ/
9	压缩空气 Compressed Air	6 Bar-Max 7Bar
10	环境 (温度/湿度) Environm ent (Temperature/Humidity)	+5°C to +45°C, Maximum 80% non Condensing
11	加工精度 Machining Accuracy	±0.2mm
12	各轴速度 Axis Speed	30m/min
13	主轴功率 Spindle Power	2.2KW
14	主轴转速 Spindle Speed	4000 RPM(Maximum 最大)
15	主轴中心给水 Center cooling	Included 包含

### 主要零部件品牌 Vendor List

No.	物料名称	Description	品牌	BRAND
1	伺服电机	Servo Motor	台达	DELTA
2	伺服驱动器	Servo Driver	台达	DELTA
3	变频器	Inverter	尼德科	NIDEC
4	直线导轨	Linear guide	上银/CSK	HIWIN/CSK
5	丝杆	Ball screw	上银/TBI	HIWIN/TBI
6	PLC	PLC	台达	Delta
7	交流接触器	AC contactor	西门子	SIEMENS
8	中间继电器	Relay	欧姆龙	OMRON
9	触摸屏	Touch Screen	昆仑通态	MCGS
10	开关电源	DC Power	明纬	MINGWEI
11	限位开关	Limit Switch	奥托尼克斯	AUTONICS
12	气源处理件	Filter-Reduction Unit	亚德客	AIRTAC
13	控制系统	Control system	PC+NC 山夏	PC+NC Flextech

## 配件清单 Spare Parts List

No.	备件名称 Object/Part No	数量 Qty
1	随机工具箱 Random Tools Box	1
2	螺纹钻头带倒角套 2 个 Drilling bits $\Phi 10$ with countersink 2 sets	1
3	螺纹钻头带倒角套 2 个 Drilling bits $\Phi 12$ with countersink 2 sets	1
4	说明书 Manual Specification	1
5	电路图 Circuit Diagram	1
6	水接头 Water connector	1
7	钻头连接杆 Drill connector rod	1
8	台面胶皮 Glue 500*500mm	1
9	台面铝板 Countertop aluminum plate, 总共 8 片	1
10	防水保护套 Shaft Rubber Below	1
11	定位侧挡块和定位后挡块 Side & Back Stopper	1

布局图 Layout

