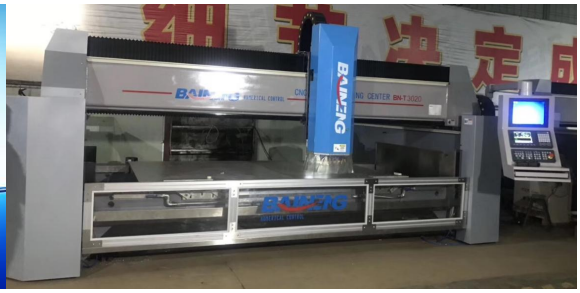
SPECIFICATION FOR GLASS WORKING CENTER

1. What is Glass Working Center?

The Automatical CNC Glass Working Center is a new generation machine which is professional for glass deep processing.We adopt the TAIWAN SYNTEC CNC system combined with BAINENG software.It is fully auto-complete from pattern design to product processing. It can be used for Frosting,Edging,Milling,Drilling,Shaping,.Beveling,writing and polishing on glass.So it's a good choice for mass production for Led Mirror,building glass,furniture glass,decoration glass and bathroom glass.



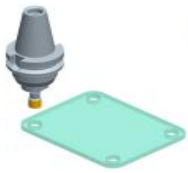


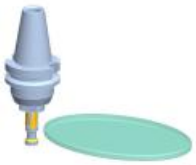
2. Operating Principle

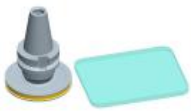
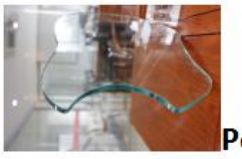
Firstly, design the patterns with CAD software, then transfer the CAD drawing to Baineng System and set parameters. The Baineng System can calculate the best route and generate code. Thirdly copy the codes to the computer. The computer will read the codes and transfer to the machine, so the machine can start to work automatically.

3. Function

The machine can be used for cutting,drilling,milling,shaped notching,edge grinding ， beveling ,writing and polishing on glass



Drilling(钻孔）


Grinding(磨边）


Polishing(抛光）


Routing(铣洗）


Writing(刻字）


Beveling(斜边）

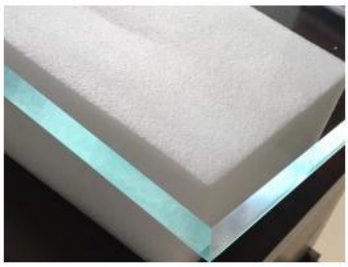
Processing on Edge and Corner



Shaped Edging&Polishing



Safety Corner &Circular Edging



45 Degree Beveling

LED MIRROR MAKE











Some Glass samples from our machine



Optical Glass



Art Glass



Furniture Glass



Electric Glass



Building Glass



Kitchen Glass

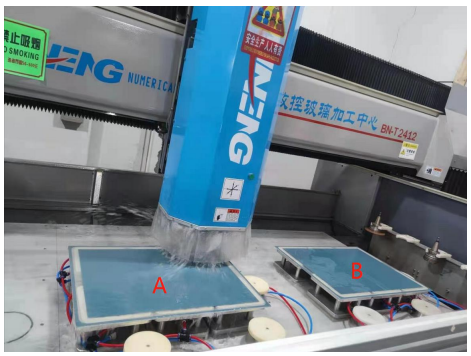
4. Application

The machine can be applied for mass production for building glass,furniture glass,decoration glass ,art glass,kitchen glass,etc..So that it can save a lot of labors and costing.



5. Advantages.

1) Except BN-T2412,other three models BN-T2620/BN-T3016/BN-T3020 can process at least two glass sheets at one time(like below the picture),when the machine finish A glass sheet and then processing B glass sheet,in the meantime you can unload the finished one and load new glass sheet.So that the machine is not stop working and save much time.The efficiency can be increased by 25%-30%.Many other machines can only process one glass sheet at one time.When it finish this glass sheet,the machine must stop and wait for people changing new glass sheet.





2)Software advantage

Firstly,make the drawing with CAD, then transfer the CAD drawing to Baineng software and set parameters. The Baineng software can calculate the best route and generate code. Thirdly copy the codes to the Syntec controly system. The Syntec system will read the codes and transfer to the machine, so the machine can start to work automatically,including automatically tools change.

3） Our machine has high processing speed and great precision.Take the grinding and polishing of shower door for example,the production capacity is 4.5-5.5meter per minuter.

4) The hiding tool library:unlike other manufacturer make the tools explosive to the air,we develop the hiding tool library to protect the tools from rusting.And it's fully automatical tools change.




6. Configuration Details

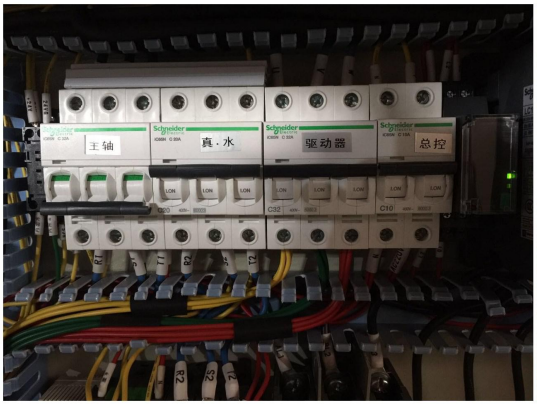
1) CNC system and Wireless handle remote from TAIWAN SYNTEC

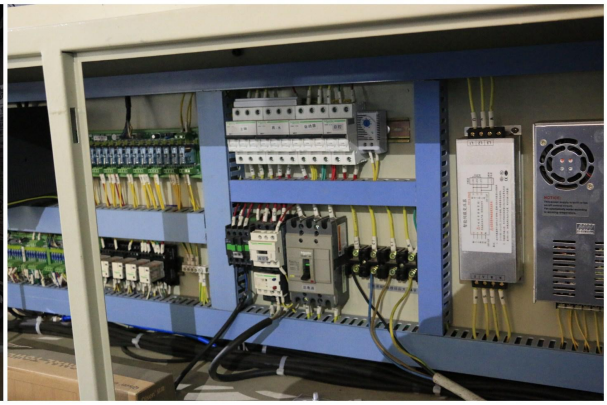



2) Actuator,Transducer and Servo motor from TAIWAN SYNTEC 。

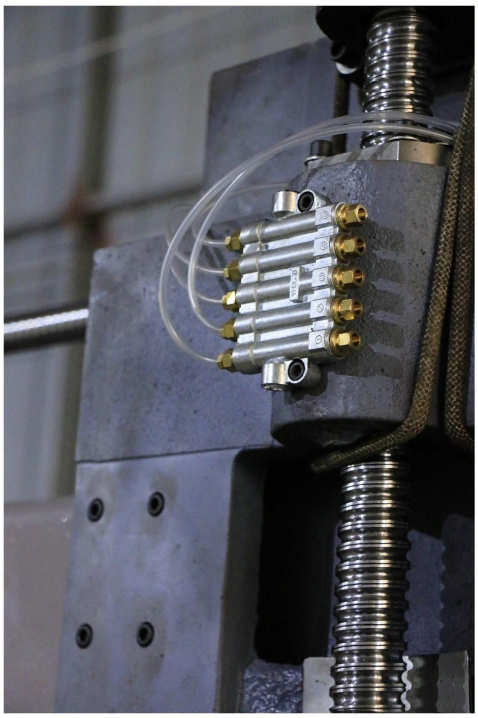



3) Electrical equipment from GERMANY Schneider



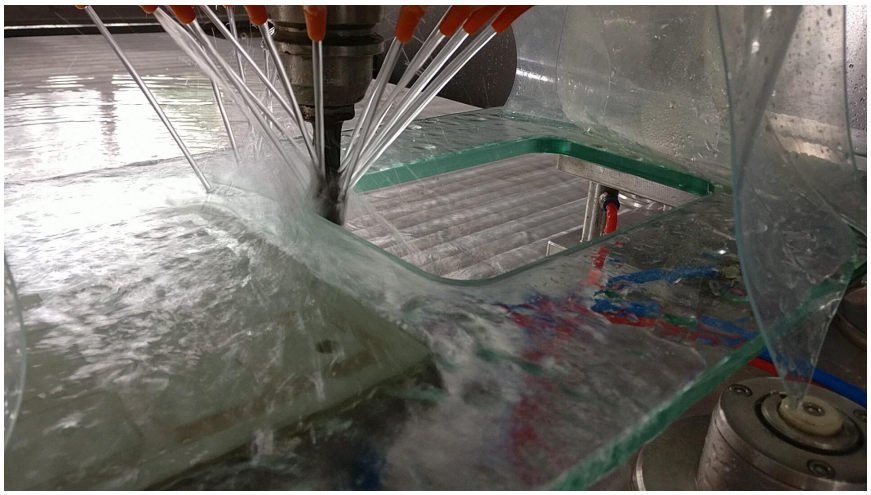


4)Ball screw and Linear from TPI OR HIWIN




5),Electric spindle

We adopt the electric spindle discharge central water(pls see below the picture).The central water not only provide cooling function so it can drilling,milling and notching,but also increase the service life of tools。



7. Technical Parameter

MODEL NO.	BN-T2412	BN-T2416	BN-T2620	BN-T3016	BN-T3020	BN-T3720
Stroke of X.Y.Z-Axis	2400*1200*200mm	2500*1700*200mm	2600*2000*200mm	3000*1600*200mm	3000*2000*200mm	3700*2000*200mm
Speed of X.Y-Axis	10-20(m/min)	10-20(m/min)	10-20(m/min)	10-20(m/min)	10-20(m/min)	10-20(m/min)
Speed of Z-Axis	15(m/min)	15(m/min)	15(m/min)	15(m/min)	15(m/min)	15(m/min)
Max Size of Glass	2400*1200(mm）	2400*1600mm	2600*2000(mm）	3000*1600(mm）	3000*2000(mm）	3700*2000（mm）
Min Size of Glass	200*200 (mm)	200*100 (mm)	200*200 (mm)	200*200 (mm)	200*200 (mm)	200*200(mm)
Glass Thickness	1-40 (mm)	1-40 (mm)	1-40 (mm)	1-40 (mm)	1-40 (mm)	1-40(mm)
Tool Library （PCS）	1*4	2*4	2*5	2*4	2*5	2*5
Spindle Speed	0-12000（r/min）	0-12000（r/min）	0-12000（r/min）	0-12000（r/min）	0-12000（r/min）	0-12000(r/min)
Spindle Power	11（kw）	11（kw）	11（kw）	11（kw）	11（kw）	11(kw)
Total Power of Machine	21kw	21kw	21kw	21kw	21kw	21kw
Voltage	380V	380V	380V	380V	380V	380V
Internal Water Consumption	3 L/min	3 L/min	3 L/min	3 L/min	3 L/min	3 L/min
External Water Consumption	100 L/min	100 L/min	100 L/min	100 L/min	100 L/min	100 L/min
空气压缩 Air Compression	0.75MPA	0.75MPA	0.75MPA	0.75MPA	0.75MPA	0.75MPA
Weight	4800kg	5000kg	6000kg	6000kg	6500kg	8100kg
Shipment Size	5000*2300*2300(mm)	4700*2300*2300mm	5200*2300*2300（mm）	5600*2300*2300（mm）	5600*2300*2300（mm）	6300*2300*2300(mm)

Remark:

1.We provide on-site installation and training to operate Machine,but all charges will be paid by buyer(including freight cost,visa fee,room and foods cost etc.)

2.Salary for our technician while provide training is $100 per day

3.Free warranty for 1 year after installation