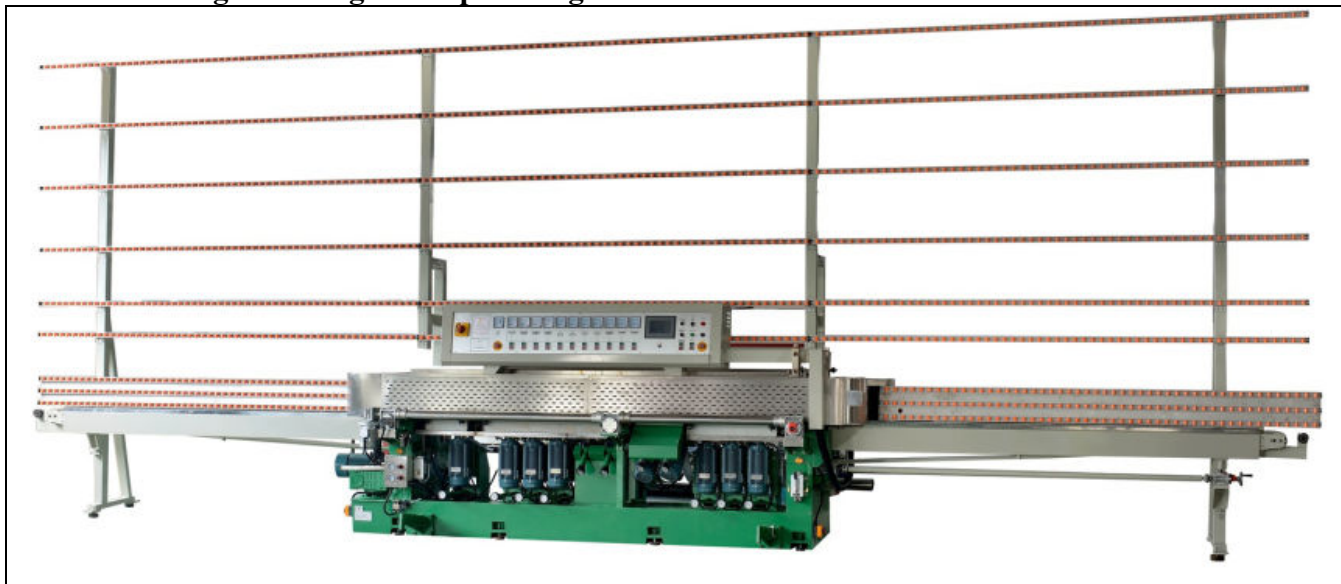


MASINA DE SLEFUIT SI LUSTRUIT AUTOMATA ,CU 11 POSTURI ,MOTOARE ZX 272 E

Description of the Equipment.

1. Automatic glass straight line polishing machine: ZX272E.



Overall description: This machine is strongly recommended to process very big glass sheet because of this strong structure of ball bearing system and high precision ABB motor. PLC control and touch screen operate surface is very easy to operate. The main feature of this machine include: precise glass removal, good water proof, high working speed (Max.10 meter/m for 10mm glass) and very stable working ability.



Technical Specification:

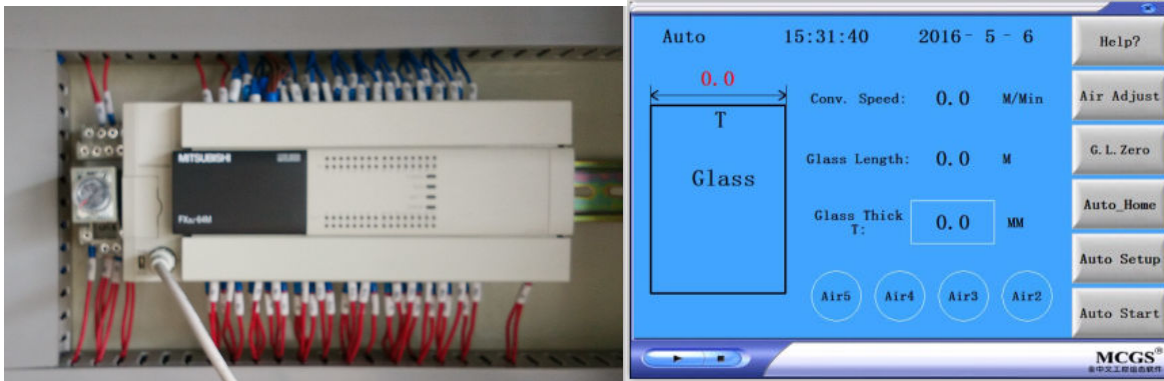
Spindles:	11 heads.
working Speed:	0.6m-10m/min
Grinding depth:	3mm
Max. arris width:	2.5mm
Glass thickness:	3mm-25mm
Min. glass Size:	30mmX30mm

Total Power:	19.85kw
Overall Dimension:	7.7mx1.2mx2.8m
Total Weight:	5500kg

Description:

a) Control system:

1. This machine use PLC control and touch panel operating system. The machine can run in automatic mode and manual mode.

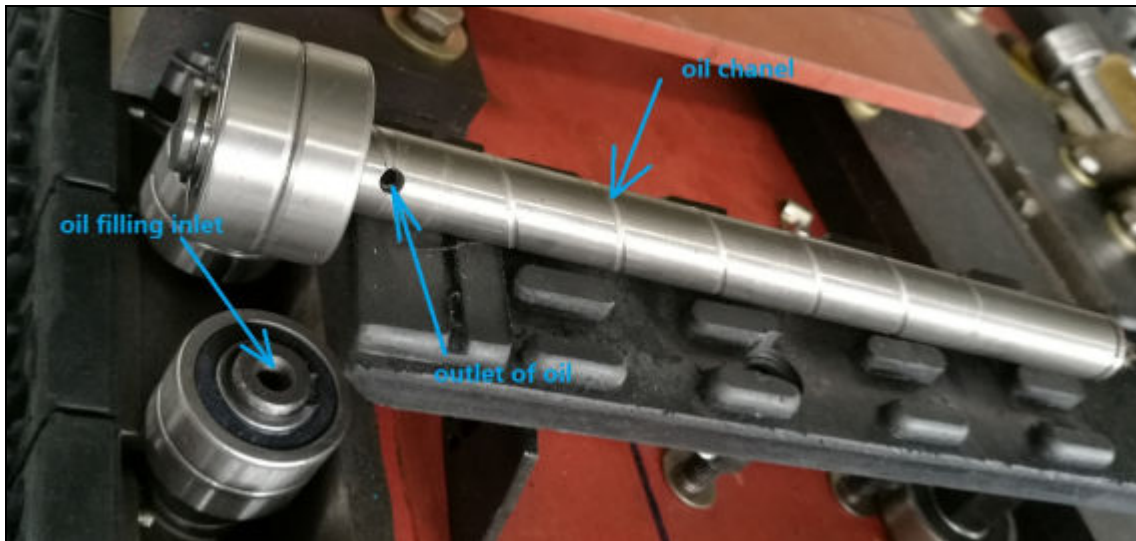


b) Conveyor:

Conveyor adopt chainless rolling transmitting system, which consists of three bearings rolling along high precision tempered steel guides, the movement of glass is very stable.



The bearings for front and back conveyor is lubricated by automatic oil pump, the well designed oil route enable top and bottom bearings to get oil evenly.



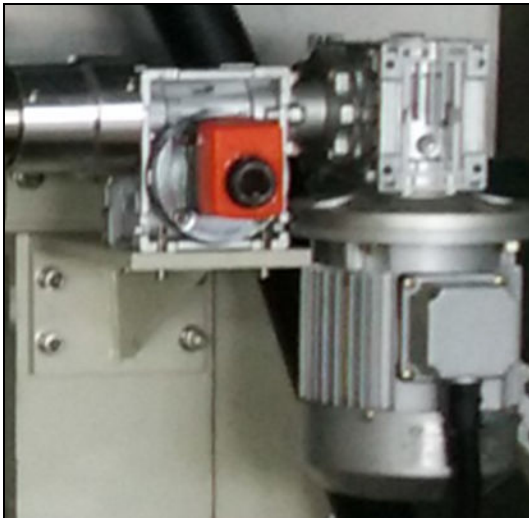
Back conveyor has cleaning brush, which ,maintain a clean surface and guarantee working result.



- c) The machine has a **glass thickness protection mechanism**. When wrong thickness glass is put in the machine. The machine will stop automatically. This protects the bearings from crushing.
- d) **Loading/off loading conveyor use timing belt**. It can adjust height to set different glass removal.



- e) Glass support frame use **Aluminum extrusion bar**, with support roller.
- f) The conveyor cover is made in **stainless steel**.
- g) The front conveyor movement is motorized. It can be adjusted through electrical button on working panel or adjustable automatically. The thickness is displayed on screen. There is also a **mechanical readout** to show glass thickness.



- h) **Working speed adjustment:**
Working speed is adjustable through **frequency inverter**.



i) Spindles are driven by high quality ABB motors.

j) Water system

Water is circulated in the machine and stainless steel water tank. A stainless steel drainage pipe is installed on back of machine to drain water from wheels tank. Clean water is pumped to machine through a square water tube. Installation of water circulation system is very easy.



Configuration of grinding wheels:



	Type of wheel	internal diameter (mm)	external diameter (mm)	Grain (mesh)	Control System
Pos.1	Diamond wheel	22	150	100	Mechanical
Pos.2	Diamond wheel	22	150	230	Mechanical
Pos.3	Diamond wheel	22	150	230	Mechanical
Pos4.	Resin wheel	22	150	180	Mechanical
Pos.5	10S40 wheel	70	150	---	Pneumatic
Pos.6	Resin wheel	22	150	180	Mechanical
Pos.7	10S40 wheel	70	150	---	Pneumatic
Pos.8	Resin wheel	22	150	180	Mechanical
Pos.9	10S40 wheel	70	150	320	Pneumatic
Pos.10	10S60 wheel	70	150	---	Pneumatic
Pos.11	felt wheel	70	150	---	Pneumatic

Spare parts:

ABB motor	1	Two polar knob	1
Two-way switch with lamp	2	AC contactor	2
Ampere meter	2	AC contactor with auxiliary contactor	2
Fuse	2	Heat relay	2

And other necessary auxiliary parts.