

# SPECIFICATIONS OF HSW-A2500 WASHING MACHINE



HSW-A series glass washing machine is special designed for tempering line, laminating line, coated glass line. It combined function of three step washing, used with frequency device driving system, which is easy to wash different size glass. Washing area installed with stainless steel or other special treatment steel. Optional for hard and soft brusher device, which is special design for hard LOW-E glass washing. Machine can be design according to customer requirement.

## 1. Characters:

- 1) Glass delivery speed can be adjusted by frequency device.
- 2) Upper sector can be elevated by 400mm as a whole so that cleaning and maintaining is very convenient.
- 3) Brush rollers are moved by motors separately. Three pairs brusher equipped with machine.
- 4) Two pairs air-knives cut, the blower equipped with muffle cotton and air feeding filter screen pack ensures plenty of air, less noise and the good drying effect.
- 5) By introducing overseas advanced technology, machine is produced based on Italy glass processing techniques. Machine installed heating water function, so that can remove oiliness from glass.
- 6) Testing lights are installed on unloading area, which is easy for user to check glass.

## 2. STRUCTURE

- 1) Transferring roller is all rubber-coated. (better not touch acid liquid )
- 2) Water touching section and air-knives adopt stainless steel materials, including shaft of roller, end of brush and whole washing area.
- 3) The blower equipped with muffle cotton and air feeding filter screen pack ensures plenty of air, less noise and the good drying effect.
- 4) Washing and drying section can be elevated automatically by 400mm.

### **3. CONTROL SYSTEM**

- 1) Control electronic apparatus is domestic famous brand.
- 2) Conveyor system adopts frequency device
- 3) Thickness is adjustable and digit-displayed.

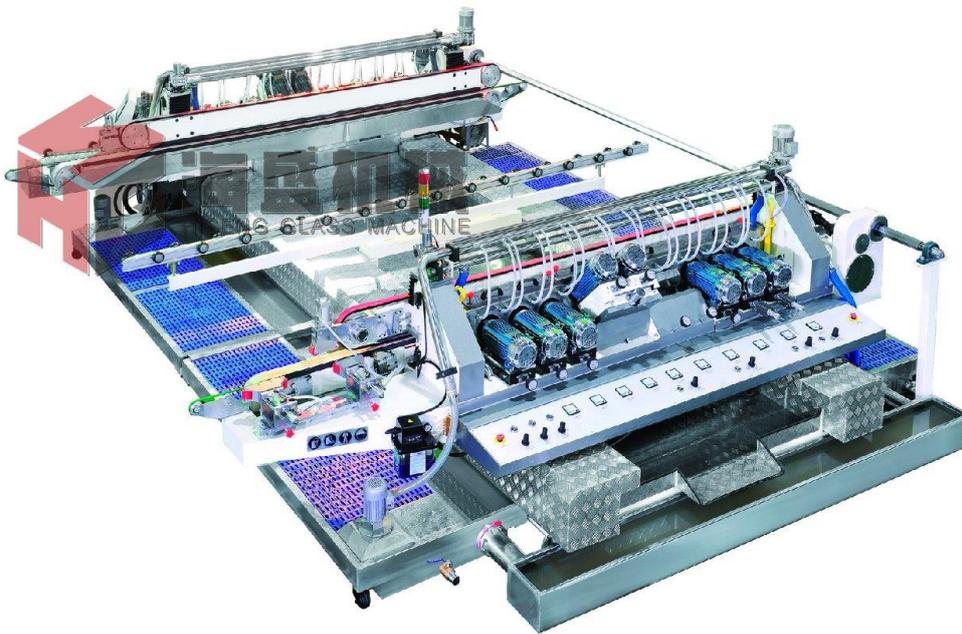
### **4. PARAMETERS**

1. total power: 38.2kW
2. Max. processing size: 2500mm x 2500mm
3. Min. processing size: 300mm x 300mm
4. Glass thickness: 3mm-30mm
5. Drying method: Dry by strong blower
6. Brusher: total 3 groups. (2 pcs in 1 group)
7. Range of speed: (m/min) 1-5m/min
8. Size: 7300 x 3600x 3000 mm (L X W X H)

### **5. Optional (For LOW E) glass:**

Allocation of one soft brush and two hard brushes (can be lifted when needed) in the upper washing sector is designed for washing hard LOW-E glass, average coated glass without damaging the coating.

## Specification of 20 spindles double edger processing line



Twenty Motors for Double Side

磨头型号 Wheel Model	金刚轮 Diamond wheel	金刚轮 Diamond wheel	金刚轮 Diamond wheel	树脂轮 Resin wheel	水松轮 10S40	树脂轮 Resin wheel	水松轮 10S40	树脂轮 Resin wheel	水松轮 10S40	C3轮 C3 wheel	总功率 Power	最小加工尺寸 Min. Width	最大加工尺寸 Max. Width
进片方向 Glass Input											42.1kw	250mm	1000mm 1500mm 2000mm 3000mm 4200mm

**HSD series** glass straight line double edging machine is suitable for grinding two straight-line edges of furniture glass, architecture glass, electronic glass and so on; it has characters of rapid processing speed, high glass processing precision, high brightness. The machine adopts high precision transmission structure with two linear guiding bars and two ball bearing guide screw, it used the PLC automatic control, fixed with touch panel interface screen, easy to operation.

### 1. 1<sup>st</sup> Double Edger—HSD-2042

Motor quantity	10+10
Transmission speed (m/min)	0.5—5m/min
Thickness of glass (mm)	3—25 mm
Width of glass processing (mm)	Glass min size:250x250mm Glass max size:4200mm
Inverse corner width	1-3mm
Inverse corner error	≤0.3mm/1m; ≤0.6mm/2.5m
Inverse corner width error	≤0.2mm/1m; ≤0.4mm/2.5m

Diagonal error	$\leq 0.5\text{mm}/1\text{x}1\text{m}; \leq 1\text{mm}/2.5\text{x}2.5\text{m}$
Installed power	42.1 kw
Voltage	380V / 50Hz or customized
Compressed air input	0.4—0.8 Mpa

## 2. Straight Line Transferring Table – HST-4225I

Parameters	Model specifications
	HST-4225I
Transmission speed (m/min)	0.5-5 m/min
Thickness of glass (mm)	3—25 mm
Glass Min. size (mm)	250x250mm
Glass Max. size (mm)	4200x2500mm
Motivity Mode	Frequency Conversion Motor
Control Mode	PLC
Transmission	Rollers & Hoist system
Lifting Mechanism	Cylinder,
Installed power (kW)	3 kW
Voltage (V)	380V / 50Hz or customized
Compressed air input (Mpa)	0.4--0.8
Overall noise (measured from the body 1m)	70dB
Temperature	-10—50°C
Humidity	20—95%RH
The overall operation should be without abnormal noise.	

### 3. 2<sup>st</sup> Double Edger—HSD-2025AQ

Motor quantity	10+10+2 (Including safe corner)
Transmission speed (m/min)	0.5—5m/min
Thickness of glass (mm)	3—25 mm
Width of glass processing (mm)	Glass min size:250x250mm Glass max size:2500mm
Inverse corner width	1-3mm
Inverse corner error	≤0.3mm/1m; ≤0.6mm/2.5m
Inverse corner width error	≤0.2mm/1m; ≤0.4mm/2.5m
Diagonal error	≤0.5mm/1x1m; ≤1mm/2.5x2.5m
Installed power	42.1kw
Voltage	380V / 50Hz or customized
Compressed air input	0.4—0.8 Mpa

#### Main spare parts:

No	Parts name	Brand
1	Grinding Motor	ABB
2	Transmission motor	CDQC frequency conversion motor
3	Timing belt	Barbieri
4	Straight line guide	ABBA or SBC
5	Inverter	Schneider
6	PLC	Siemens/S7-200
7	Touch screen	Taiwan WEINVIEW
8	Miniature circuit breaker	De Li Xi
9	AC contactor	Schneider
10	relays	Schneider
11	Middle Relays	Omron or Schneider
12	DC	Taiwan Ming Wei
13	Air cylinder	China
14	Encoder	Omron
15	Switch	CNTD
16	Cables	China

**Wheel details:**

Model	HSD 20
Wheel No.1	Diamond wheel with teeth #80 Ø150xØ12x12x8
Wheel No.2	Diamond wheel #150 Ø150xØ12x8x8
Wheel No.3	Diamond wheel #240 Ø150xØ12x8x8
Wheel No.4	Diamond wheel #240 Ø130xØ12x8x8
Wheel No.5	Polishing wheel Ø130 Ø60x35
Wheel No.6	Diamond wheel #240 Ø130xØ12x8x8
Wheel No.7	Polishing wheel Ø130 Ø60x35
Wheel No.8	Resin Wheel #280 Ø150x Ø12x8x8
Wheel No.9	Polishing wheel Ø150 Ø70x40
Wheel No.10	C3 wheel Ø150 Ø70x40