

YL78 Series Hydraulic Door Skin Press Machine



BRIEF INTRODUCTION

Features of YL78 Series Hydraulic Door Skin Press Machine

1. This machine is characterized by high efficiency, convenient and safe operation, energy conservation, attracting appearance, and low cost.
2. The machine is invented and continuously improved by our experienced engineers with rich experience, making the machine both simply structured and well performed. It takes just a few minutes for a worker to master operation.

Equipment conditions:

1. The equipment work area temperature: 0 ~ 50 °C (+ / -)
2. Power supply: three-phase four-wire system 380V, 50HZ, voltage fluctuation range of 380V plus or minus 10%
3. Cooling mode: water cooling device
4. Hydraulic system use medium: no. 46 anti-wear hydraulic oil

Program:

1. Working pressure, speed, and stroke can be set in a certain range according to different technological requirements.
2. Independent power mechanism and electrical system are controlled by press-button enabling realize manual, semi-automatic, and automatic operation.

Main Structure:

Eliminate internal stress

The machine body is made of 45# steel and treated with internal stress elimination after being weld.

The cylinder is made of 45# forging.

Piston rod is made of 50# steel (nitrided)

Rigidity up to HRC45-50





Two operation modes:

Electric Mechanize and semi-automatic
 Both of them are controlled by the bottom switch.
 Working pressure, pressing speed and slide stroke can be set in a certain range according to different processing requirements.

STANDARD EQUIPMENT

- PLC (Programmable Logic Controller) + HMI (Human Machine Interface)
- 3 operating ways for choice
- Ruler transducer position (adjustable by HMI)
- Pressure transducer (adjustable by HMI)
- Footswitch (as safety)
- Independent electrical and hydraulic power mechanism
- Simply structured and well performed for energy saving

Detailed Pictures:

	<p>Hydraulic door skin press machine</p>
<p>Right side view of the door making machine</p>	
	<p>Eight Columns: keep the whole machine more stable and safe.</p>
<p>Six high-performance cylinders: The pressure is more evenly distributed on the workpiece and is easier to maintain.</p>	



Hydraulic Station:
With metal cover, Safe & Clean.

Main Motor:
Low noise, strong energy, long service life.



PLC controller:
Multi-function and the operation is more simple and convenient.

Molds can be designed to satisfy different demands, Lots of patterns can be chosen.



The operation process

Our customer an products



Design of the door skins:



Finished product display:



Package of the hydraulic press:



Technical Parameters:

	Item		Unit	Specifications
1	Norminal force		KN	36000
2	Max working pressure of liquid		Mpa	25
3	Oil cylinder max stroke		mm	400
4	Max opening height		mm	450
5	Return force		KN	1000*2
6	Work table effective area	L-R	mm	1500
		F-B	mm	2500
7	Slider speed	Fast down	mm/s	45-50
		Slow down	mm/s	8-12
		Return	mm/s	150
8	Main motor power			22*2

Components:

No.	Name	Manufacturer	Configuration
1	Controller	OMRON PLC (Touch	Standard

		Screen)--Japan			
2	Main Motor	Siemens – Germany			
3	Main Electric Elements	Schneider – France			
4	Hydraulic System	Bosch Rexroth - Germany			
5	Sealing Ring	NOK – Japan			
6	Water cooling system	Chinese famous brand			
7	Oil Pump	SAEMP – China			
8	Photoelectric Protection	LNTECH – China			
9	Damping Device	GLDMA			Optional
10	Servo system	Chinese famous brand			
11	Safety Standards	<input checked="" type="checkbox"/> CE	<input type="checkbox"/> CSA	<input checked="" type="checkbox"/> NR-12	<input type="checkbox"/> OSHA

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