

TX-500SF-LED Servo Curved Surface Screen Printing and Curing Integrated Machine



★Scope of application

This TX-500SF-LED servo curved surface screen printing and curing all-in-one machine is suitable for precise positioning and color printing of surface patterns and text on various round products such as plastic bottles, glass bottles, and metal cans .

★Main parameters

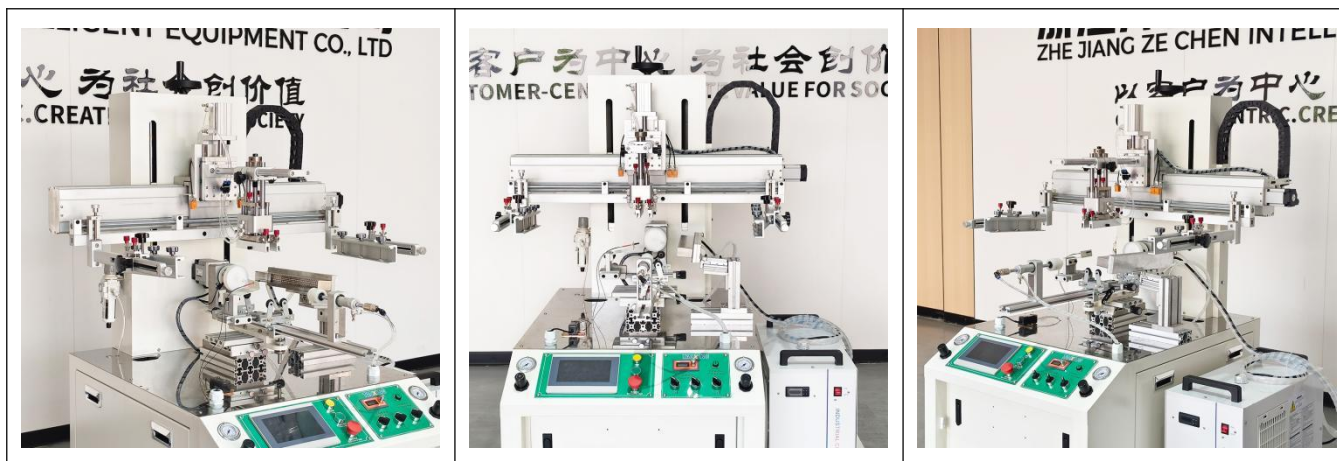
model	TX- 500SF-LED	Maximum printing size	200*450mm
air pressure	5 bar	Voltage/Power	AC380V/50HZ/ 2KW
Maximum printing speed	800-1000PCS/H	Maximum Frame	300*600mm

Maximum printing area	Φ 150 * 250 mm	Print length	≤ 300mm
Machine size	L1220*W1100 *H1610mm	Machine weight	266 KG

★ Main performance characteristics

- ① The PLC controls all functions, with a high degree of automation, simple and convenient operation, and a built-in four-digit automatic counter.
- ② Adding an LED curing lamp can quickly cure the printed pattern.
- ③ It automatically performs ink scraping, ink return, and worktable lifting, which simplifies operation and ensures stable printing quality.
- ④ The printing stroke and speed are adjustable to meet different printing requirements.
- ⑤ The automatically balancing scraper ensures even printing pressure.
- ⑥ Both the worktable and the screen frame can be finely adjusted forward and backward, left and right, and up and down, resulting in high printing accuracy and convenient and quick adjustment.
- ⑦ The scraper section can be lifted independently for easy and convenient replacement and cleaning of the mesh frame.

★ Product Details





Imprint head structure



Scraper ink return clip



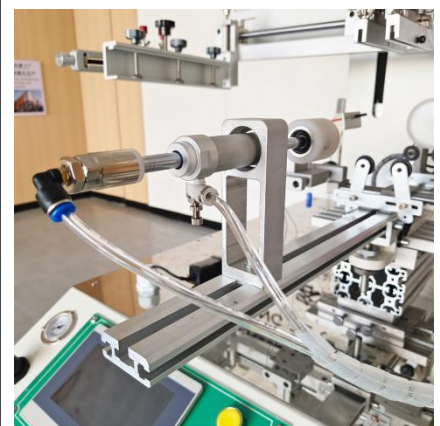
tooling fixtures



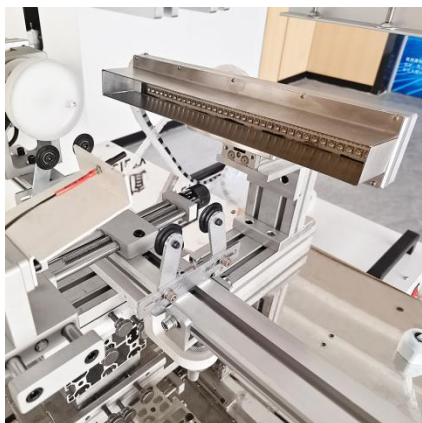
Main control screen



Control switch panel



Front cylinder



LED curing lamp



Servo motor



water chiller

★Configuration Instructions

Serial Number	Accessory Name	Accessory Brands	Parts manufacturer	Component
1	guide	HIWIN	Taiwan	print

2	cylinder	Yatak	Taiwan	print
3	speed reducer	Taiwan North Machine	Taiwan	workstation
4	PLC	Mitsubishi	Japan	Overall machine
5	Servo motor	Hechuan	Taiwan	Overall machine
7	touchscreen	Kunlun Tongtai	Taiwan	Overall machine
8	Lead screw	TBI/HIWIN	Taiwan	print
9	color mark	Matsushita	Japan	overprinting
10	AC contactor	Delixi	China	Overall machine
11	relay	Delixi	China	Overall machine
12	Control switch	Taiwanese brands	Taiwan	Overall machine
13	proximity	Yangming Taiwan	Taiwan	Overall machine
14	Air source	Yadek	China	Overall machine
15	Solenoid valve	Yadek	Taiwan	Overall machine
16	Gas source	Shi An	Taiwan	Overall machine
17	breaker	ABB	China	Overall machine

★Delivery List

Serial	Tool Name	Specificati	unit	quanti	Remark
1	power cord	Standard	root	1	
2	Foot switch	Standard	indivual	1	
3	Phillips	Standard	Bundle	1	
4	movable wrench	Standard	Bundle	1	
5	Allen wrench	Standard	set	1	
6	Toolbox	Standard	indivual	1	
7	scraper, ink	Standard	set	2	Including
8	Instruction		Book	1	

★ Finished Printed Product Display:



Stainless steel water
cup



glass



Plastic sealing tube



Cosmetic glass bottles

★Corporate Image





★ Company Honors

