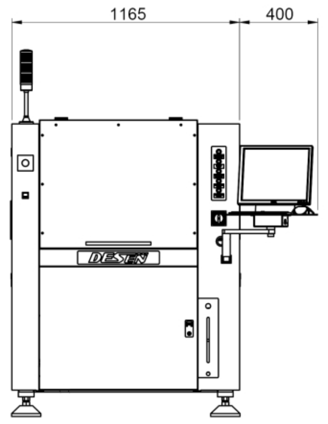
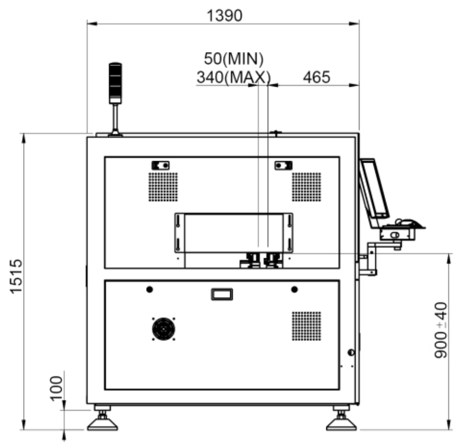
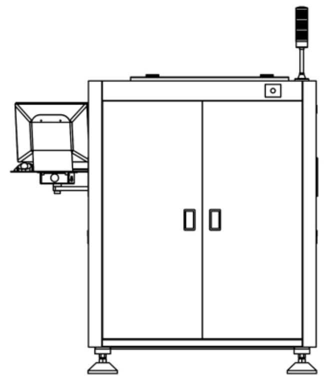
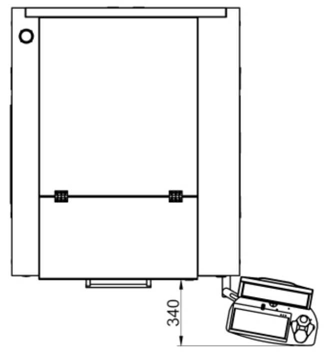
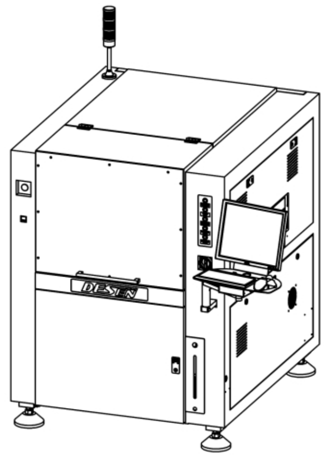
Product Size





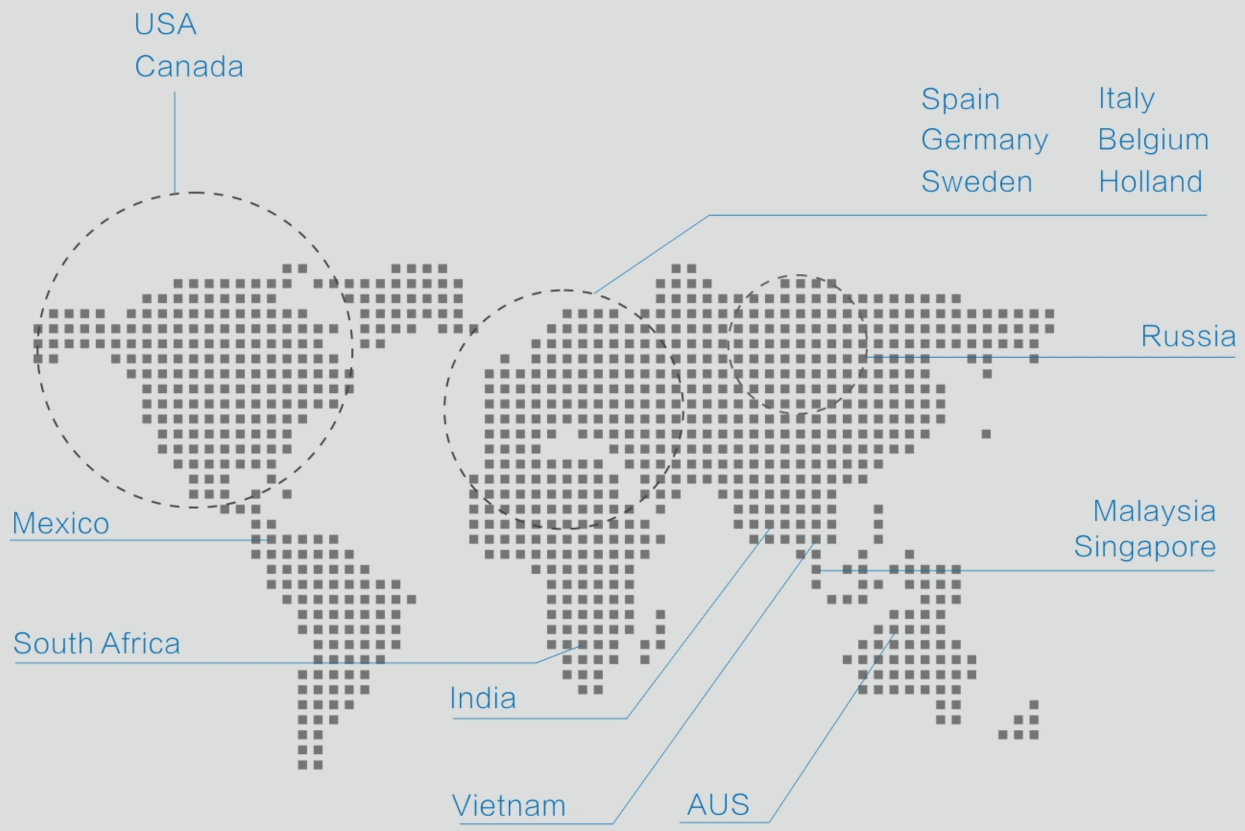






Linkedin Youtube

DESEN



Website :www.ds-smt.com
E-mail:marketing@desen-sz.com / service@desen-sz.com
Telphone:+86 18617023102 / +86 400 877 5520
Company:Shenzhen Desen Precision Machine Co.,Ltd
Address:Building A4,The 3rd Industrial Zone in Tantou,Songgang Street,Tantou,
Baoan District,Shenzhen City,Guangdong Province,China.

DESEN

FULLY AUTOMATIC STENCIL PRINTER
DGH series
DGH

MADE IN CHINA 2025

Product Technical Parameters

Process Parameters	Specification	
Printing Accuracy	± 18 μ m@6 σ , Cpk≥2 .0	Verified by the test system CeTaQ
Repeat Position Accuracy	± 8 μ m@6 σ , Cpk≥2.0	
Cycle Time	7s	
Screen Frame Size	470mm x 370mm~737mm x 737mm	
Screen Frame Thickness	20mm-40mm	
Substrate Size (minimum)	50mm (X) x 50mm (Y)	
Substrate Size (maximum)	400mm (X) x 340mm (Y)	
Substrate Thickness	0.4mm - 6 mm	
Print Pressure	0kg-20kg	
Print Speed	1 - 200mm/s	
Print Gap	0mm -20mm	
Substrate Separation	Speed:0.1 - 20mm/s	
	Distance:0mm - 30mm	
Apply Paste Option	Solder paste, printing ink, silver paste	

Transportation System	Specification
Substrate Weight (maximum)	≤4kg
Transport Speed	Segmented control, 1500mm/s (Max)
Board Height	≤18mm (Customizable)
Transport Height	900 ± 40mm

Electrical Configuration & Environmental Requirement	Specification
Voltage	220Volts +/-10%.Single phase 50/60Hz
Power	2.5kw
Air Supply	4.5-6kgf/cm^2
Temperature	-20℃ ~ +45℃
Humidity	30% - 70% relative humidity

Standard Configuration	Specification
Stencil Alignment	Program control, Y direction positioning.
Automatic Platform Detection System	The platform height is automatically calibrated according to the thickness of the substrate.
Intelligent Transportation System	The automatic stopping device + automatic substrate positioning + left in left out, left in right out, right in right out, right in left out.
Handing & Cleaning Options	Wet cleaning + dry cleaning + vacuum (free combination)
Approximate Dimension	1165 (L) X1390 (W) X1515 (H) mm
Approximate Weight	1300kg packaged (depend upon configured options selected with machine)
	1100kg unpackaged (depend upon configured options selected with machine)

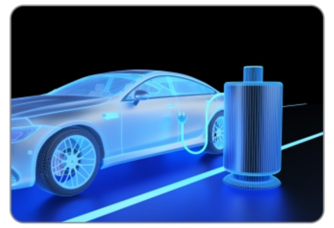
Product Advantages

- Platform automatic adjustment system
- Squeegee pressure feedback system
- Mark camera light source automatic adjustment
- SPI connection
- 2D inspection
- High-precision printing 01005, 03015

Range of Application


5G


Semiconductor


New Energy


3C Products


Photovoltaic Products

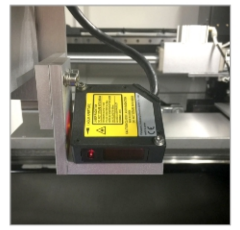

New Display


Automotive Electronics


Medical Instruments

Product Advanced Options

☐ Solder paste monitoring system



- The sensor under the front squeegee detects the diameter of remaining solder paste and notifies customer to add solder paste.

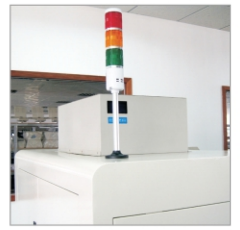
☐ Solder paste automatic adding(electric/pneumatic)

- General solder paste pot add directly.
- Can be added at a fixed times.

☐ UPS power off protection

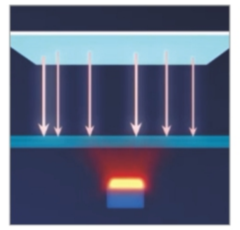
- After power off in a certain time (10 minutes) PC can keep the power supply for the protection of production data.

☐ Intelligent temperature control system



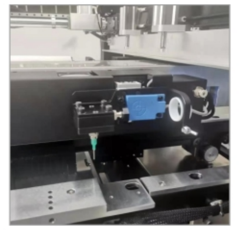
- Temperature can be shown and adjustable on the overhead control system.
- Temperature can be shown and adjustable on the external control system.

☐ Stencil aperture inspection system



- Judgment of aperture plugging and notify whether to clean the stencil. If the stencil inspection fails twice in a row, it will remind the customer whether to change the cleaning mode, cleaning frequency or perform manual cleaning.

☐ Automatic dispensing function



- Dotting or section filling.

☐ Industry 4.0 MES Manufacturing Execution System

- Customized communication mode of customer to realize intelligent operation management.
- Productivity analysis and real-time statistical operation information function.
- Intelligent Alarm system and solutions.
- Bar code recognition.