



FA-400TQN-Screen Printing Machine with 3-Axis Servo Motor

■ A 3-axis servo system is employed in the screen printing machine to adjust left-right ink scraping, up-down movement of screen stencil, and up-down motion of the squeegee, ensuring precise digital adjustments through the HMI. Multiple sets of formula can be stored, allowing swift formula switching. The magnetic squeegee clip (Patent No. M390871) enables quick adjustments and disassembly.

1st axis~ Left and right servo

- Left and right servo adjustment - Ink scraping is precisely driven by servo motor.
- Ink scraping adopts servo motor with linear guideways and ball screw mechanisms, ensuring precise control throughout the entire ink scraping process.

2nd axis~ Up and down servo

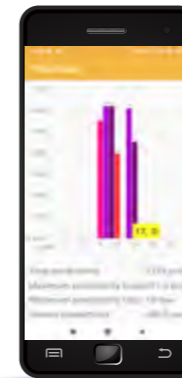
- Up and down servo adjustment - The up and down of screen stencil is precisely driven by servo motor.
- The up and down movement of the screen stencil is controlled by servo motors, ensuring fast, stable, and quiet operation.

3rd axis~ Squeegee servo

- Squeegee servo adjustment - The squeegee position can also be digitally and precisely adjusted.
- Servo motors for precise linear movement of the squeegee. HMI allows easy adjustment of the squeegee up-and-down position, enabling effortless and precise settings.
- 7.0" color touch screen, built-in 5 languages, English, Indonesian, Vietnamese, Thai, and Traditional Chinese.
- With I/O (input/output), each sensor location is shown in whole area of the machine.
- The abnormal alarm marquee display facilitates quick troubleshooting for production line personnel.
- With electronic air pressure sensing, the machine will alarm automatically for insufficient air pressure.



3 years warranty



Model	Color	Max Printing Area(mm)	Capacity / hr	Dimension (cm)	Net W.
FA-400TQN	1	320*300	600~1800	L:70 W:90 H:163	250 KG
FA-500TQN	1	320*400	600~1800	L:70 W:100 H:163	252 KG
FA-600TQN	1	320*500	600~1800	L:70 W:110 H:163	254 KG



Fine Cause manufactures pad printer and screen printer including standard types and customization. We manufacture a variety of ink cup pad printer, open-tray pad printer, servo motor screen printer, pneumatic cylinder screen printer and customized screen printer.

In the past decade, we have taken part in an extent of customized and precise machinery projects on both pad printing and screen printing including a variety of application fields: printer for plastics, printer for metals, printer for glass, plastic surface printer, metal surface printer, glass surface printer, coin printer, auto-cylindrical bottle printer, SD card printer, MICRO SD card printer, contact lens printer, syringe printer, test tube printer, solder paste printer and touch glass printer, etc.

Our service

- ▶ Pad Printer
- ▶ Screen Printer
- ▶ Hot Stamping Machine
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