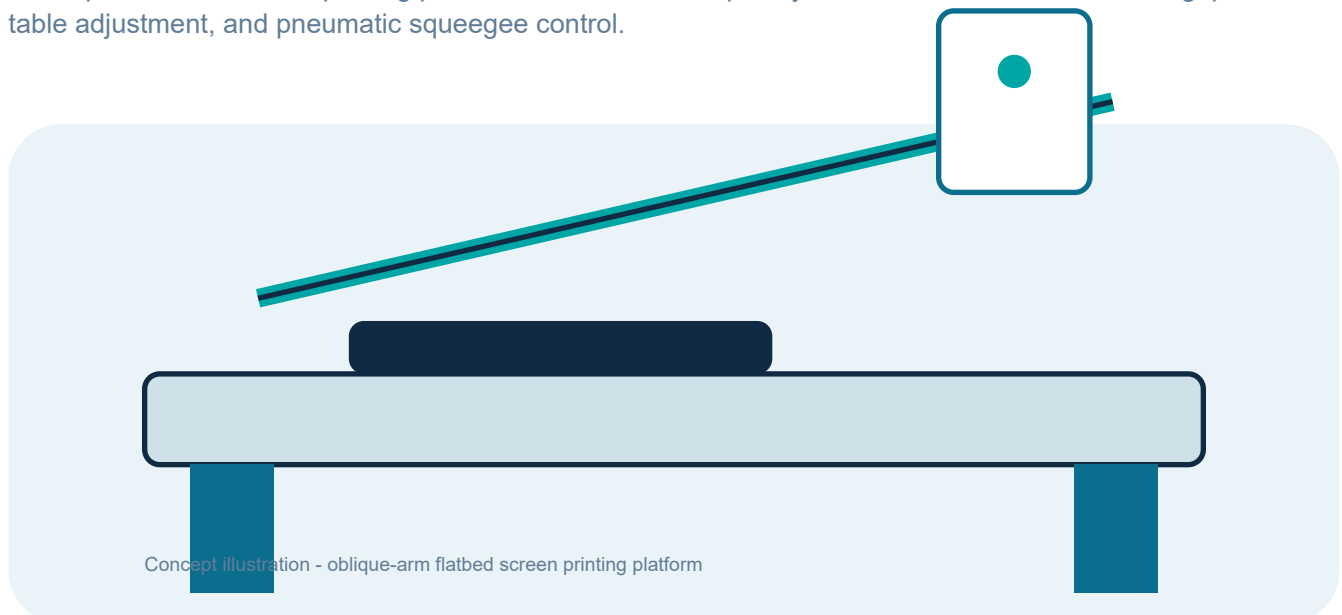


MODEL HNS6090

Oblique-Arm Screen Printing Machine

CONTROLLED MOTION. ACCURATE REGISTRATION. FLEXIBLE OUTPUT.

A compact flatbed screen printing platform with variable-frequency drive, vacuum substrate holding, precision table adjustment, and pneumatic squeegee control.



Concept illustration - oblique-arm flatbed screen printing platform

600 x 900 mm

MAXIMUM PRINTING AREA

1,200 pcs/h

MAXIMUM SPEED

Vacuum table

SUBSTRATE HOLDING

Built for packaging, industrial graphics, and specialty substrates.

Shantou Huanan Machinery Co., Ltd. | Professional screen printing solutions since 1996

Engineered for controlled, repeatable flatbed printing

The HNS6090 combines adjustable motor control, stable substrate holding, and practical registration tools in a compact oblique-arm platform.

1

Variable-Frequency Printing Control

Motor-driven printing provides responsive motion, consistent speed, and flexible adjustment.

2

Motorized Oblique-Arm Lifting

Frequency-controlled arm lifting supports smooth and stable machine operation.

3

Pneumatic Squeegee Adjustment

Squeegee and ink-return pressure can be tuned for different inks, substrates, and processes.

4

Vacuum Substrate Holding

The vacuum worktable helps keep flat materials securely positioned during printing.

5

Precision Table Adjustment

Left-right and front-back fine adjustment makes positioning and registration convenient.

6

Safety Locking Device

The arm can be locked in the raised position to support safer operation and maintenance.

7

Centralized Electrical Control

Microcontroller-based control supports straightforward operation and convenient maintenance.

8

Branded Core Components

Selected branded components support printing accuracy and long-term operating stability.

Technical specifications

Model HNS6090 | Oblique-arm flatbed screen printing platform

ITEM	SPECIFICATION
Product name	Oblique-Arm Screen Printing Machine
Model	HNS6090
Worktable size	700 x 1000 mm
Maximum printing area	600 x 900 mm
Maximum screen frame size	900 x 1200 mm
Minimum screen frame size	450 x 550 mm
Screen lifting height	0-30 mm
Working air pressure	0.3-0.6 MPa
Air consumption	13 L/cycle at 0.6 MPa
Total power	2.3 kW
Rated voltage / frequency	220 V / 50 Hz
Worktable height from floor	780 mm
Printing speed	500-1,200 pcs/hour
Machine dimensions (L x W x H)	1590 x 1100 x 1300 mm
Machine weight	450 kg

Standard accessories

ACCESSORY	SPECIFICATION	QTY.
Tool kit	Hex keys, adjustable wrench, and screwdrivers	1 each
Squeegee	L=600 mm / L=900 mm	1 pc
Ink return blade	L=620 mm / L=920 mm	1 pc
Air hose	Dia. 8 mm	1 m

Versatile applications

A flexible platform for packaging, industrial graphics, and specialty substrates.

Cigarette & tobacco packaging

Wine & beverage boxes

Gift & luxury packaging

Cosmetics packaging

Ceramic & glass decals

Membrane switches & films

Nameplates & signage

Craft glass & acrylic sheets

Paper & paperboard

About Huanan Machinery

Founded in 1996, Shantou Huanan Machinery Co., Ltd. integrates product design, development, manufacturing, and service for the packaging and printing industry. The company operates a manufacturing base of approximately 10,000 square meters and holds more than 20 patented intellectual property rights. Its product portfolio includes screen printing machines, UV and IR dryers, cold foil systems, and Cast & Cure equipment.

1996

FOUNDED

20+

PATENTS

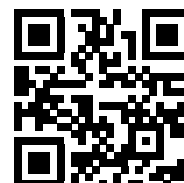
~10,000 m2

FACTORY AREA

Request a quotation

Contact our team for configuration, application testing, and commercial terms.

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SCAN TO VISIT WEBSITE

Actual output may vary with substrate, print area, ink, screen parameters, and operating method. Final specifications and accessories are subject to the confirmed technical agreement.