

SCREEN PRINTING EQUIPMENT



MOTOR-DRIVEN FLAT BED SCREEN PRINTING MACHINE

MT-500M - MT-600M/MM/SM - 800M

Motor-Driven Series

FEATURES:

- 1) Imported cylinders from Japan to ensure good quality.
- 2) The screen is vertically positioned to prevent ink overflow from the side, therefore lowering ink consumption.
- 3) Equipped with THK latest precision linear motion guides and DC motor, printing can be low noise, high precision, wear-less and step-less adjustment.
- 4) Squeegee and flood bar, with THK latest precision linear motion guides, is easy to clean, reset and always wear-less.
- 5) Sensor is provided for controlling the printing stroke, which can be laterally adjusted to suit various screen sizes.
- 6) The printing table is radially designed to provide powerful suction with easy control.
- 7) The printing table is equipped with 3 sets of micrometric adjustment knobs for precision alignment of printing in lengthwise, lateral, and angular directions.
- 8) With pneumatic-powered hydraulic peel-off system (For MT-600MM / 600SM / MT-800M only) screen peeling speed and position are adjustable to avoid sticking. Also, it is ideal for large format and dot pattern printing.

M: Standard model

MM: With peel-off device and vertical elevation of printing head.

SM: With peel-off device, vertical elevation of printing head, and servomotor drive



SPECIFICATIONS:

MODEL	MT-500M	MT-600M / 600MM / 600SM	MT-800M
MAX. PRINTING AREA	350 mm x 470 mm	400 mm x 570 mm	600 mm x 750 mm
MAX. THICKNESS OF WORKPIECE	100 mm	80 mm	30 mm
MAX. FRAME SIZE (O.D.)	600 mm x 800 mm	700 mm x 900 mm	1000 mm x 1250 mm
PRINTING ACCURACY	+/-0.02 mm	+/-0.02 mm	+/-0.02 mm
PRINTING PLATEN SIZE	400 mm x 600 mm	480 mm x 700 mm	700 mm x 900 mm
PNEUMATIC PRESSURE	6-8 kgs/cm ²	6-8 kgs/cm ²	6-8 kgs/cm ²
PRINTING SPEED	600 - 1800 P/H	600 - 1800 P/H	300 - 600 P/H
POWER	220V/SINGLE PHASE	220V / SINGLE PHASE	220V / SINGLE PHASE
MACHINE DIMENSIONS	L850 x W750 x H1650mm	L950 x W800 x H1750mm	L1510 x W1200 x H1880mm
MACHINE WEIGHT	230 kgs	420 kgs	630 kgs

VERSATILE APPLICATIONS:

PC Board, Advertising, Ceramic decal, Membrane Switch, Name plate and industrial flat area printing, etc.

FLAT BED SCREEN PRINTING MACHINE WITH SLIDING TABLE

MT-600HA

FEATURES:

- 1) Isolated control box, circuit protection, brake system combined with low-voltage control circuit to meet European safety regulations. The machine is fully equipped with dust guard with elegant machine appearance.
- 2) Compact construction for saving space. Fast screen alignment. Screen elevates vertically without ink overflow. Once the workpiece is properly positioned it requires no further movement to ensure printing accuracy.
- 3) The machine employs high precision THK linear guide ways combined with a DC motor drive for maximum printing stability. Printing speed is variable.
- 4) The squeegee and flood bar fixture have angular adjustment functions, two leveling adjustment screws and a depth micrometric adjustment button. This permits proper contact between the squeegee and the screen, assuring perfect squeegee motion.
- 5) The printing head elevation is specially designed with a pneumatic drive. This permits the squeegee and flood bar to be peeled quickly from the screen for conveniently dismantling squeegee, flood bar and screen - and also for convenient ink cleaning.
- 6) Equipped with hydraulic peel-off system. Lifting speed and height are adjustable. Adjustable height prevents screen sticking after printing.
- 7) Four corners on screen clamp have individual micrometric height adjustment knobs, which permit individual adjustment of screen height at one side to meet printing requirements.
- 8) The PLC control provides various stroke selections for maximum flexibility of operation.
- 9) Equipped with emergency stop plate combined with automatic home point return for operator safety and minimizing the percentage of defects.



APPLICATIONS:

This machine is designed for surface printing on various industrial products, such as posters, transfer paper, name plates, film keys, decorative glass, circuit board wire, solder mask and marking letters, etc.

SPECIFICATIONS:

MODEL	MT-600HA
MAX. PRINTING AREA	400 mm x 550 mm
PLATEN SIZE	500 mm x 700 mm
MAX. FRAME SIZE	700 mm x 900 mm
MAX. THICKNESS OF WORKPIECE	30 mm
MICROMETRIC ADJUSTMENT ON TABLE X, Y - AXIS	Cross ± 10 mm., Longitudinal ± 10 mm.
PRINTING SPEED	600 ~ 1,200 P/H
MAX. AIR CONSUMPTION (Two-direction printing)	15.2 l/cycle
AIR SOURCE	6 ~ 8 kgs/cm ²
POWER SOURCE	1Ø, 220V, 9A, 50 / 60HZ
MACHINE DIMENSIONS	1130 mm x 1450 mm x 1900 mm
MACHINE WEIGHT	450 kgs

LARGE-FORMAT PNEUMATIC FLAT SCREEN PRINTING MACHINE

MT-750A/1200A

FEATURES:

- 1) The squeegee printing system utilizes an imported linear bearing guide for extremely stable printing.
- 2) Sensor is provided for controlling the printing stroke, which can be laterally adjusted to suit various screen sizes.
- 3) New pneumatically operated printing head lifting design provides convenient replacement of squeegee, flood bar and screen, as well as easy access for cleaning. The device is interlocked with an emergency stop to ensure the safety of the workpiece, screen and operator.
- 4) The printing table is radially designed to provide powerful suction with easy control.
- 5) The flood bar can pre-coat ink or coat during printing, minimizing screen clogging.
- 6) The printing table is equipped with 3 sets of micrometric adjustment knobs for precision alignment of printing in lengthwise, lateral, and angular directions.
- 7) Pneumatically driven, low-noise levels, low pollution and trouble free performance.
- 8) The screen is vertically positioned to prevent ink overflow from the side, therefore lowering ink consumption.
- 9) With pneumatic-powered hydraulic peel-off system, screen peeling speed and position are adjustable to avoid sticking. Also, it is ideal for large format and dot pattern printing.
- 10) The printing mechanism elevation is air operated for convenient despatch of squeegee, flood bar, and screen. Also convenient for ink cleaning.



SPECIFICATIONS:



MODEL	MT-750A	MT-1200A
PRINTING PLATEN	700 mm x 900 mm	700 mm x 1350 mm
MAXIMUM PRINTING AREA	650 mm x 700 mm	650 mm x 1150 mm
MAXIMUM THICKNESS OF WORKPIECE	80 mm	80 mm
COMPRESSOR HORSEPOWER	3 HP	5 HP
COMPRESSOR PRESSURE	N x 19.4 L/MIN	N x 24.3 L/MIN
MAXIMUM SCREEN FRAME	900 mm x 1100 mm	900 mm x 1550 mm
VOLTAGE	220V, 50/60 HZ	220V, 50/60 HZ
PRINTING SPEED	450-900 P/H	360-720 P/H
MACHINE DIMENSIONS	L1240 x W1090 x H1850 mm	L1750 x W1090 x H1850 mm
MACHINE WEIGHT	400kg	600kg

HEAVY DUTY PNEUMATIC CURVE SCREEN PRINTING MACHINE

MT-900B/1100B

FEATURES:

- 1) Precise multi-color printing through synchronized transmission of gear and rack with the use of proper workpiece holder, original patterns are accurately reproduced.
- 2) The substrate holder may be adjusted to meet substrate variation, and micrometric adjusted in forward right/left, tilting direction, for accurate squeegee positioning.
- 3) The screen is vertically positioned to prevent ink overflow from the side, therefore lowering ink consumption.
- 4) Superior shock absorbing system provides precise and stable operations for multi-color printing.
- 5) Printing stroke can be adjusted laterally to suit various screen sizes.
- 6) Engineering design delivers convenient loading and unloading of workpiece with a significant reduction in effort.



SPECIFICATIONS:

MODEL	MT-900B	MT-1100B
DIAMETER OF CURVE PRINTING	Ø50-280 mm x 300 mm	Ø50-340 mm x 300mm
COMPRESSOR HORSEPOWER	3 HP	3 HP
COMPRESSOR PRESSURE	5-7 kg/cm ²	5-7 kg/cm ²
VOLTAGE	110V (220V), 50/60 HZ	110V (220V), 50/60 HZ
PRINTING SPEED	400-900 P/H	300-900 P/H
MACHINE DIMENSIONS	L1130 x W1490 x H1800 mm	L1130 x W1700 x H1800 mm
MACHINE WEIGHT	281kg	300kg

PNEUMATIC TYPE FLAT SCREEN PRINTING MACHINE

MT-400A/500A/650A

FEATURES:

- 1) The squeegee printing system utilizes an imported linear bearing guide for extremely stable printing.
- 2) Sensor is provided for controlling the printing stroke, which can be laterally adjusted to suit various screen sizes.
- 3) New pneumatically operated printing head lifting design provides convenient replacement of squeegee, flood bar and screen, as well as easy access for cleaning. The device is interlocked with an emergency stop to ensure the safety of the workpiece, screen and operator.
- 4) The printing table is radially designed to provide powerful suction with easy control.
- 5) The flood bar can pre-coat ink or coat during printing, minimizing screen clogging.
- 6) The printing table is equipped with 3 sets of micrometric adjustment knobs for precision alignment of printing in lengthwise, lateral, and angular directions.
- 7) Pneumatically driven, low-noise levels, low pollution and trouble free performance.
- 8) The screen is vertically positioned to prevent ink overflow from the side, therefore lowering ink consumption.



MT-400A/500A/650A Available optional equipment

★ FLAT PLATEN ATTACHMENTS WITH SLOT

★ CURVE PRINTING ATTACHMENTS

★ CHROMATIC AUTOMATIC POSITIONING

PNEUMATIC TYPE CURVE SCREEN PRINTING MACHINE

MT-400B/500B

FEATURES:

- 1) The squeegee printing system utilizes an imported linear bearing guide for extremely stable printing.
- 2) Sensor is provided for controlling the printing stroke, which can be laterally adjusted to suit various screen sizes.
- 3) Precise multi-color printing through synchronized transmission of gear and rack with the use of proper workpiece holder, original patterns are accurately reproduced.
- 4) The substrate holder may be adjusted to meet substrate variation, and micrometric adjusted in forward right/left, tilting direction, for accurate squeegee positioning.
- 5) The screen is vertically positioned to prevent ink overflow from the side, therefore lowering ink consumption.
- 6) Superior shock absorbing system provides precise and stable operations for multi-color printing.
- 7) Printing stroke can be adjusted laterally to suit various screen sizes.
- 8) Engineering design delivers convenient loading and unloading of workpiece with a significant reduction in effort.

MT-400B/500B Available optional equipment

- ★ FLAT PLATEN ATTACHMENTS WITH VACUUM
- ★ FLAT PLATEN ATTACHMENTS WITH SLOT
- ★ CHROMATIC AUTOMATIC POSITIONING



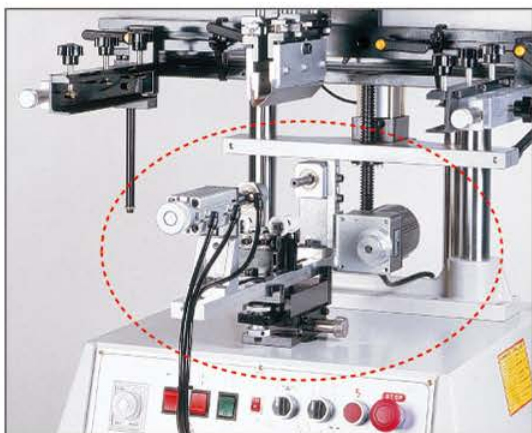
OPTIONAL ACCESSORIES



FLAT PLATEN ATTACHMENTS WITH SLOT



FLAT PLATEN ATTACHMENTS WITH VACUUM



CHROMATIC AUTOMATIC POSITIONING



CURVE PRINTING ATTACHMENTS

SPECIFICATIONS:

MODEL	MT-400A/400B	MT-500A/500B	MT-650A
PRINTING PLATEN	315 mm x 500 mm	400 mm x 600 mm	480 mm x 700 mm
AREA OF FLAT PRINTING	D250 x W350 mm	D300 x W460 mm	D400 x W600 mm
MAXIMUM FRAME SIZE (O.D.)	450 mm x 600 mm	450 mm x 700 mm	550 mm x 850 mm
MAXIMUM THICKNESS OF WORKPIECE	150mm	150mm	150 mm
DIAMETER OF CURVE PRINTING	Ø8-Ø120 mm	Ø10-Ø150 mm	-
COMPRESSOR HORSEPOWER	1 HP	1 HP	2HP
COMPRESSOR PRESSURE	4-7 kg/cm ²	5-7 kg/cm ²	5-7 kg/cm ²
VOLTAGE	110V (220V), 50/60 HZ	110V (220V), 50/60 HZ	110V (220V), 50/60 HZ
PRINTING SPEED	600-1200 P/H	500-1200 P/H	500-1200 P/H
MACHINE DIMENSIONS	L580 x W650 x H1650 mm	L650 x W800 x H1650 mm	L750x W950 x H1645 mm
MACHINE WEIGHT	130kg	150kg	190kg

SUCTION TYPE HAND OPERATED SCREEN PRINTING MACHINE

MT-45AB/MT-50B

FEATURES AND CONSTRUCTION:

- 1) The printing table is equipped with a vacuum pump, operated automatically or with a foot switch, that pulls through suction holes to ensure maximum printing accuracy.
- 2) The printing table can be adjusted both forward or backward and to the right or left up to 25mm to accommodate chromatic printing.
- 3) The table can be vertical adjusted up to 50mm to accommodate workpiece thicknesses.
- 4) An extension stand provides for convenient placement of ink and squeegee.



SPECIFICATIONS:

MODEL	MT-45AB	MT-50B
PRINTING TABLE AREA	450 x 600 mm	720 x 830 mm
VACUUM CAPACITY	200 L	200 L
VACUUM SUCTION AREA	400 x 500 mm	600 x 760 mm
SUCTION MOTOR	1/2 HP 110V, 220V	1/2 HP 110V, 220V
MACHINE DIMENSIONS	L820 x W610 x H1050 mm	L1120 x W800 x H1200 mm
MACHINE WEIGHT	40 kg	130 kg

HAND-OPERATED SURFACE SCREEN PRINTING TABLE AND HOLDER

MT-45A/MT-35B/MT28C/MT24D

PRINTING TABLE

FEATURES AND CONSTRUCTION:

- 1) This aluminum table is excellent for small, precision multi-color printing operations.
- 2) The printing table can be adjusted both forward or backward and to the left or right up to 20mm to provide printing accuracy.
- 3) The table can be vertically adjusted up to 100mm to accommodate workpiece thicknesses.

MODEL	PRINTING TABLE AREA
MT/45A	450 x 600 mm (L x W)
MT/35B	350 x 450 mm (L x W)
MT/28C	280 x 360 mm (L x W)
MT/24D	240 x 300 mm (L x W)



MT-50DL/MT-50D

SIMPLE HAND PRESS

This unit is well suited for printing small products, and it is easy to operate. Printing substrates thickness within 60mm may be adjusted as desired.

MODEL	PRINTING TABLE AREA
MT/50DL	300 x 360 mm (L x W)
MT/50D	240 x 250 mm (L x W)



MT-C1/MT-C2

MT/C1 ADJUSTABLE "C" HOLDER

MT/C2 DIE CAST "C" HOLDER

Maximum thickness adjustment 20mm.

Maximum printing substrates thickness 3mm.

"C" holders are recommended when the frame needs to be held in place. Two wood screws hold the "C" holders to the table, securely clamping the frame for printing.



MT-50A/MT-30A

PRINTING STAND

FEATURES AND CONSTRUCTION:

- 1) This stand is excellent for precision printing on both a large and small scale.
- 2) The unit can be vertically adjusted up to 100mm to accommodate workpiece thicknesses.
- 3) The level can be micrometrically adjusted both forward or backward and to the right or left up to 20mm to facilitate multi-color printing.
- 4) Clamp capacity MT/50A: 500mm. MT/30A: 300mm

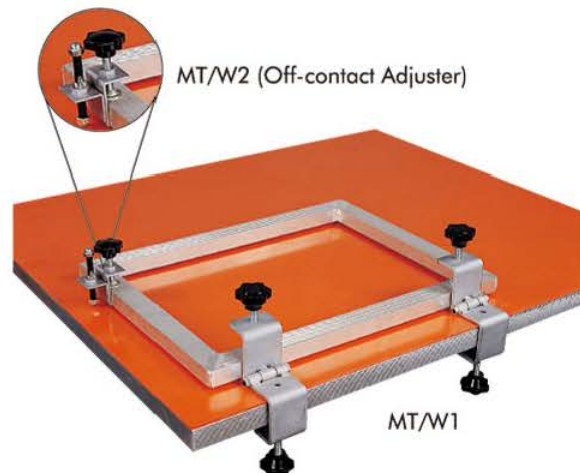


MT-W1/MT-W2

MT/W1 HOLDER, MT/W2 OFF-CONTACT ADJUSTER

This holder is designed to clamp long printing pieces to any table or desk being used as a temporary printing table.

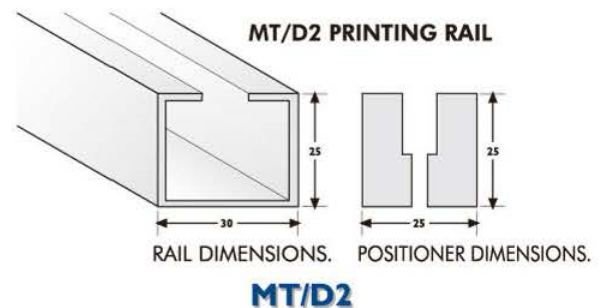
This off-contact adjuster is attached to the screen frame to accurately set the off-contact to the printing object.



MT-D1/MT-D2

MT/D1 PRINTING POSITIONER MT/D2 PRINTING RAIL

RAIL SPECIFICATION: L2400xW30xH25mm.
POSITIONER: Ø25X25mm.



MT/D1 PRINTING POSITIONER



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