

ATMAX SERIES



JUMBO FOUR-POST SCREEN PRINTERS WITH OPTIONS



SLIVER NATIONAL
AWARD OF EXCELLENCE
WINNER 96



NATIONAL
INNOVATION
RESEARCH AWARD



SYMBOL OF EXCELLENCE
WINNER 93-03



NATIONAL AWARD OF SME 2003
(Small and Medium Enterprises)



CE CERTIFIED 2000



ISO 9001 ISO14001
CERTIFIED 97-03



NATIONAL
LITTLE GIANT AWARD
WINNER 2000

APPLICATION

ATMA proud to present top-quality ATMAX series Jumbo Four-Post Screen Printer for printing large-format task on rigid and flexible materials as used in precision applications and fields.

Ex: Poster, Sign, POP, EL-lamp, Light-box Panel, Vending Machine Panel, Vehicle Wind Shield, etc..
(/G type accepts thin, light-weighted, non-deforming flexible materials only.)

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▶ FEATURES

● **Quality Commitment**

An ISO9001 and ISO14001 certified professional manufacturer

● **Elegant Design**

Innovative precision technology and outstanding high-performance design of fast, reactive electro-mechanical transmission system ensure superior quality work and close tolerance.

● **Solid Construction**

Heavy-duty base frame with balanced footings to stay vibration-free through high speed operation.

● **Low Setup Time**

Screen front insertion and holding / air-locking system for easy setup.

● **Extreme Accuracy**

Machine consists of strong & flat printing table, high-accuracy linear rails, best drive motors and pressure equalized squeegee / flood coater system.

● **Easy Adjustments**

Squeegee/Flood Coater depth, pressure, angle, skew, level, speed and screen movement are micrometer or dial displayed to achieve optimum printing result.

● **User-Friendly Operation**

Control panel with ATMA standard symbolized drawings plus value-added functions to ensure easy operation.

● **Safety**

Adopted all protections to meet European safety requirements.

● **Gripper Take-Off (Option)**

The ` /G ` models with an optional Gripper Take-off system integrated as 3/4-automatic model(for thin, light-weighted, non-deforming flexible materials only).

● **Additional Options**

Available with Static Eliminator, Dripless Squeegee, Registration Pins and more, as well as UV dryer to work with.

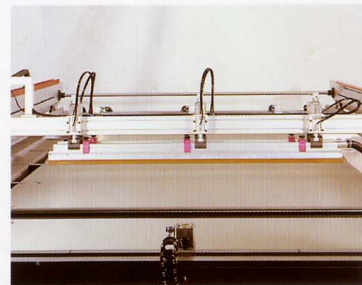
CHANGE MAY BE MADE WITHOUT PRIOR NOTICE



Gripper Take-off



Registration Pins



Print Head



JUMBO FOUR-POST SCREEN PRINTER W/O TAKE-OFF

Model (Max. Print Area, mm in.)

ATMAX 1020 (1010x2010mm	39 ³ / ₄ x 79 ¹ / ₈)
ATMAX 1225 (1210x2510mm	47 ⁵ / ₈ x 98 ³ / ₄)
ATMAX 1530 (1510x3010mm	59 ³ / ₈ x 118 ¹ / ₂)
ATMAX 1536 (1510x3610mm	59 ³ / ₈ x 142 ¹ / ₈)

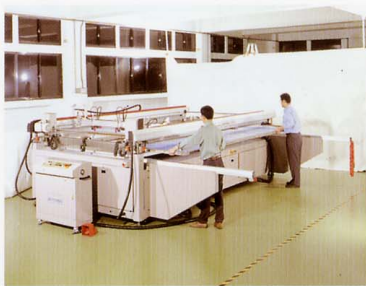
JUMBO FOUR-POST SCREEN PRINTER WITH GRIPPER TAKE-OFF

Model (Max. Print Area, mm in.)

ATMAX 1020/G (1010x2010mm	39 ³ / ₄ x 79 ¹ / ₈)
ATMAX 1225/G (1210x2510mm	47 ⁵ / ₈ x 98 ³ / ₄)
ATMAX 1530/G (1510x3010mm	59 ³ / ₈ x 118 ¹ / ₂)
ATMAX 1536/G (1510x3610mm	59 ³ / ₈ x 142 ¹ / ₈)



Mobile Electric Box



Screen insertion from front



Working with UV Dryer

SPECIFICATION

(metric scale as standard, inch scale as rough conversion)

	1020, 1020/G	1225, 1225/G	1530, 1530/G	1536, 1536/G
Working Table size (DxW, mm in.)	1200x2400 47 ¹ / ₄ x 94 ¹ / ₂	1500x3000 59 x 118	1800x3600 70 ⁷ / ₈ x 141 ³ / ₄	1800x4200 70 ⁷ / ₈ x 165 ³ / ₈
Vacuum area (DxW, mm in.)	1000x2000 39 ³ / ₈ x 78 ³ / ₄	1200x2500 47 ¹ / ₄ x 98 ³ / ₈	1500x3000 59 x 118	1500x3600 59 x 141 ³ / ₄
Max print area (DxW, mm in.)	1010x2010 39 ³ / ₄ x 79 ¹ / ₈	1210x2510 47 ⁵ / ₈ x 98 ³ / ₄	1510x3010 59 ³ / ₈ x 118 ¹ / ₂	1510x3610 59 ³ / ₈ x 142 ¹ / ₈
Max. O/D frame size (DxW, mm in.)	1500x2550 59 x 100 ³ / ₈	1750x3150 68 ⁷ / ₈ x 124	2100x3750 82 ⁵ / ₈ x 147 ⁵ / ₈	2100x4300 82 ⁵ / ₈ x 169 ¹ / ₄
Frame height (mm in.)	30-60 1 ¹ / ₈ - 2 ¹ / ₄	30-60 1 ¹ / ₈ - 2 ¹ / ₄	30-60 1 ¹ / ₈ - 2 ¹ / ₄	30-60 1 ¹ / ₈ - 2 ¹ / ₄
Substrate thickness (mm in.)	0-20 0- ³ / ₄ (/G: 0-6 0- ¹ / ₄)	0-20 0- ³ / ₄ (/G: 0-6 0- ¹ / ₄)	0-20 0- ³ / ₄ (/G: 0-6 0- ¹ / ₄)	0-20 0- ³ / ₄ (/G: 0-6 0- ¹ / ₄)
Table height (mm in.)	1020+30 40 ¹ / ₈ +1 ¹ / ₈	1020+30 40 ¹ / ₈ +1 ¹ / ₈	1020+30 40 ¹ / ₈ +1 ¹ / ₈	1020+30 40 ¹ / ₈ +1 ¹ / ₈
Conveyor height (/G, mm in.)	845+30 33 ¹ / ₄ +1 ¹ / ₈	845+30 33 ¹ / ₄ +1 ¹ / ₈	845+30 33 ¹ / ₄ +1 ¹ / ₈	845+30 33 ¹ / ₄ +1 ¹ / ₈
Clearance screen ↔ table	0-20 0- ³ / ₄	0-20 0- ³ / ₄	0-20 0- ³ / ₄	0-20 0- ³ / ₄
Print level (mm in.)	80 3 ¹ / ₈	80 3 ¹ / ₈	80 3 ¹ / ₈	80 3 ¹ / ₈
Standby Level (mm in.)	320 12 ¹ / ₂	390 15 ¹ / ₄	390 15 ¹ / ₄	390 15 ¹ / ₄
Clean-up level (mm in.)				
Table speed (mm in./sec.)	920 36	920 36	920 36	920 36
Print head speed (mm in./sec.)	90-900 3-36	90-900 3-36	90-900 3-36	90-900 3-36
Max. capacity (P/H, full stroke)	390 (/G: 340)	360 (/G: 310)	300 (/G: 260)	240 (/G: 210)
Screen adjustment (X/Y, mm in.)	±10 / ±10 ± ³ / ₈ ± ³ / ₈	±10 / ±10 ± ³ / ₈ ± ³ / ₈	±10 / ±10 ± ³ / ₈ ± ³ / ₈	±10 / ±10 ± ³ / ₈ ± ³ / ₈
Skew angle (°)	±3	±3	±3	±3
Electric Power		3-phase, 220V/380V, 50/60Hz		
Power consumption (kw)	5.8 (/G: 6.9)	7.3 (/G: 9.7)	9.8 (/G: 12.2)	9.8 (/G: 12.2)
Input air pressure (kg/cm ² PSI)	6-8 85-113	6-8 85-113	6-8 85-113	6-8 85-113
Air consumption (1 Gl/cycle)	8.8 2.4 (/G: 10.4 2.9)	8.8 2.4 (/G: 10.4 2.9)	8.8 2.4 (/G: 10.4 2.9)	8.8 2.4 (/G: 10.4 2.9)
Dimension (WxDxH, cm in.)	350 x 330 x 170 138 x 130 x 67	420 x 380 x 170 165 x 150 x 67	480 x 450 x 170 189 x 177 x 67	530 x 450 x 170 209 x 177 x 67
Weight (kg lb)	1800 3960 (/G: 1900 4180)	1950 4290 (/G: 2150 4730)	2200 4840 (/G: 2400 5280)	2300 5060 (/G: 2500 5500)

SPECIFICATION OF UV DRYER MATCHING ABOVE PRINTER

	1002C	1102C	1302C	1302C
Lamp efficiency (w/cm w/in.)	80 200	80 200	80 200	80 200
Q'ty of lamp (pc)	2	2	2	2
Working width (cm in.)	121 48	139 55	165 65	165 65
Conveyor height (cm in.)	80+2.5 31 ³ / ₈ +1	80+2.5 31 ³ / ₈ +1	80+2.5 31 ³ / ₈ +1	80+2.5 31 ³ / ₈ +1
Conveyor speed (m ft/min.)	5-50 8-82	5-50 8-82	5-50 8-82	5-50 8-82
Conveyor length, overall (cm in.)	300 118	400 157	400 157	400 157
Inlet (cm in.)	100 39	200 78	200 78	200 78
UV sec. (cm in.)	100 39	100 39	100 39	100 39
Outlet (cm in.)	100 39	100 39	100 39	100 39
Electric Power		3-phase, 220V/380V, 50/60Hz		
Power consumption (kw)	21.5	24.3	28.3	28.3
Dimension (WxDxH, cm in.)	300x204x125 118x81x49	400x211x131 158x83x55	400x242x131 158x132x55	400x242x131 158x132x55



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