



ALL NEW
ELECTRIC FLAT
SCREEN PRINTER



APPLICATION

For screen-printing substrates in Flat Sheet/Board form made of non-deforming materials.

Ex: Stickers, Decals, Posters, Name Plates, Sign Boards, Printed Circuit Boards, etc..



FEATURES

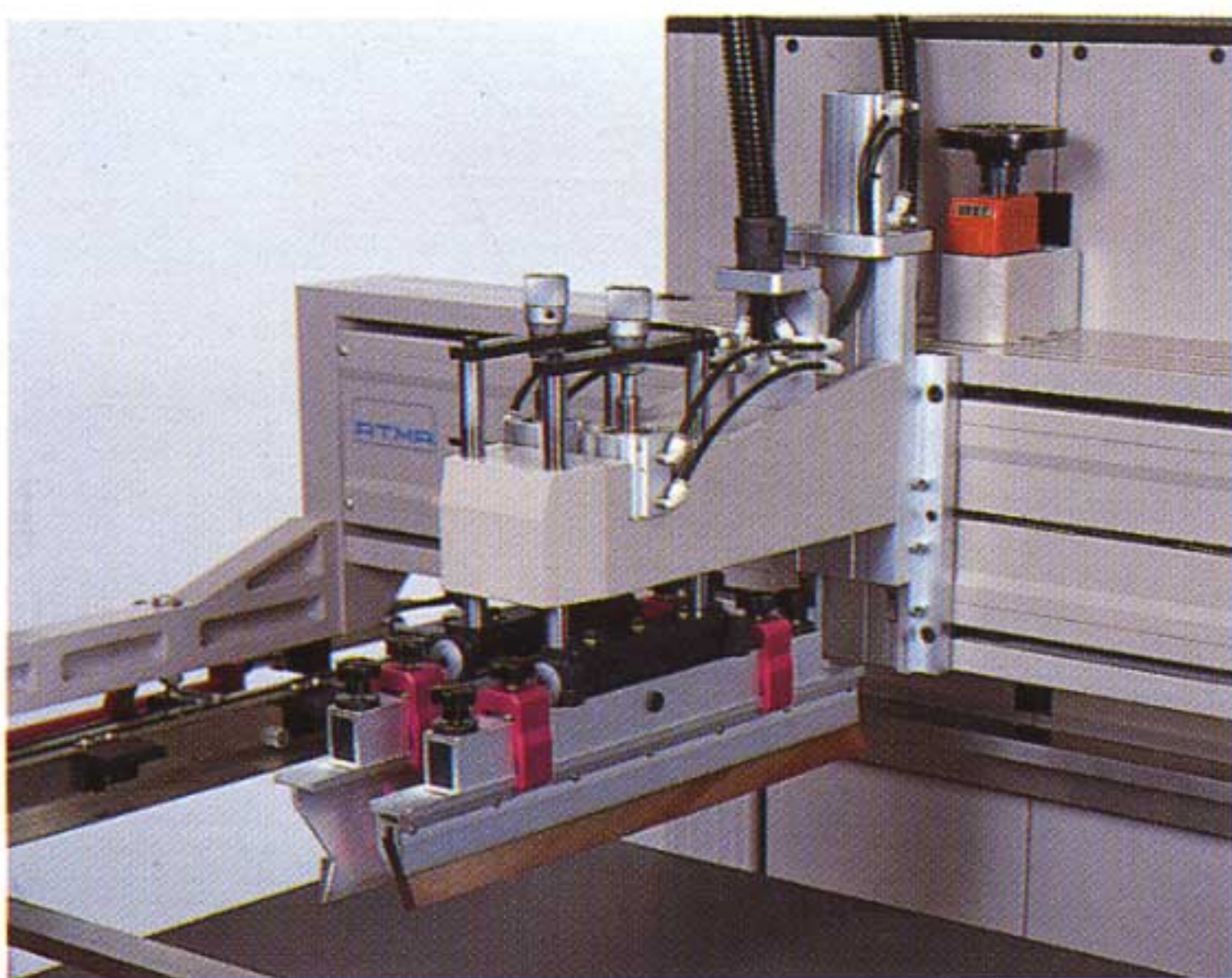
TOP-QUALITY: Latest upgrade of the stylish ATMA Two-post type machine with ISO9001 & 14001 certified quality featuring unique vertical screen up/down design, solid & light-weighted structure, compact size, fine finish, extreme accuracy, superb performance & versatility, user-friendly operations & functions, environment-friendly energy efficiency, less maintenance, a Top-quality choice of its price level in the market.

TABLE SECTION: Stationary Table consists of Vacuum Table & bottom base, Vacuum Table is made of aluminum-alloy face board + solid cast vacuum chamber, Vacuum provided by Ring-blower, with instant on/off switching + flow adjustment valve. Bottom base is cast-made and with X/Y-axis registration adjustments knobs + read-dial.

SCREEN SECTION: Screen inserted from front and held by left & right Screen Holder Arms which are freely re-locatable, the frame locking is pneumatic driven and integrated with loose-proof valves & controls against power/air shutdown or operation error(optional pneumatic locking + loose-proof valve system may be added for Screen Holder Arms). Screen up/down is driven by heavy-duty motor + shock-free speed control + strong & light-weighted aluminum profile structure + linear rails, off-contact is set by adjustment knob + numerical micrometer, fast, smooth & stable run with accurate stop-positioning. With Screen Peel-off system to avoid smear defect(gradual up along print stroke and instant down before flood), speed and stroke settable.



**ELECTRIC FLAT
SCREEN PRINTER**
MODEL (MAX. PRINT AREA)
AT-80P (600x800mm)



Pneumatic Lift-up of Print Head

PRINT HEAD: Long-stroked right-to-left print direction, motor driven + shock-free variable speed control + strong & light-weighted aluminum profile structure + linear rails, travel margins settable, stable & smooth run in all speeds. With all necessary adjustment for Squeegee/Flood Coater: inclination angle, skew angle, up/down speed/depth, leveling. With also pneumatic Print Head Lift-up for clearing the head off the screen.

ELECTRIC CONTROL: Adopts PLC control featuring all on/off switch for Power, System or else single-action controls & pneumatic frame locking, 3 modes selectable for each Operation/Vacuum/Cycle, Print/Flood Speed Tuning, Auto Timer/Foot Switch operation, Counter, Emergency-stop Switch Plate & Safety Bars. (Optional Pneumatic Locking for Frame Holder Arms is on/off switch operated)

PNEUMATIC CONTROL: With Air Source on/off valve, auto moisture filtering/drainage, 1 each Pressure Adjustment Knob + Manometer for squeegee & flood coater.

SAFETY: With Safety Bars over left/front/right side against pinch between screen & table, Cycle Start/Interruption control on Foot Switch, Emergency-stop Switch Plate, Error-prevented program inter-link & light indication, Power Surge & Leak protections, etc., meets European safety requirements.

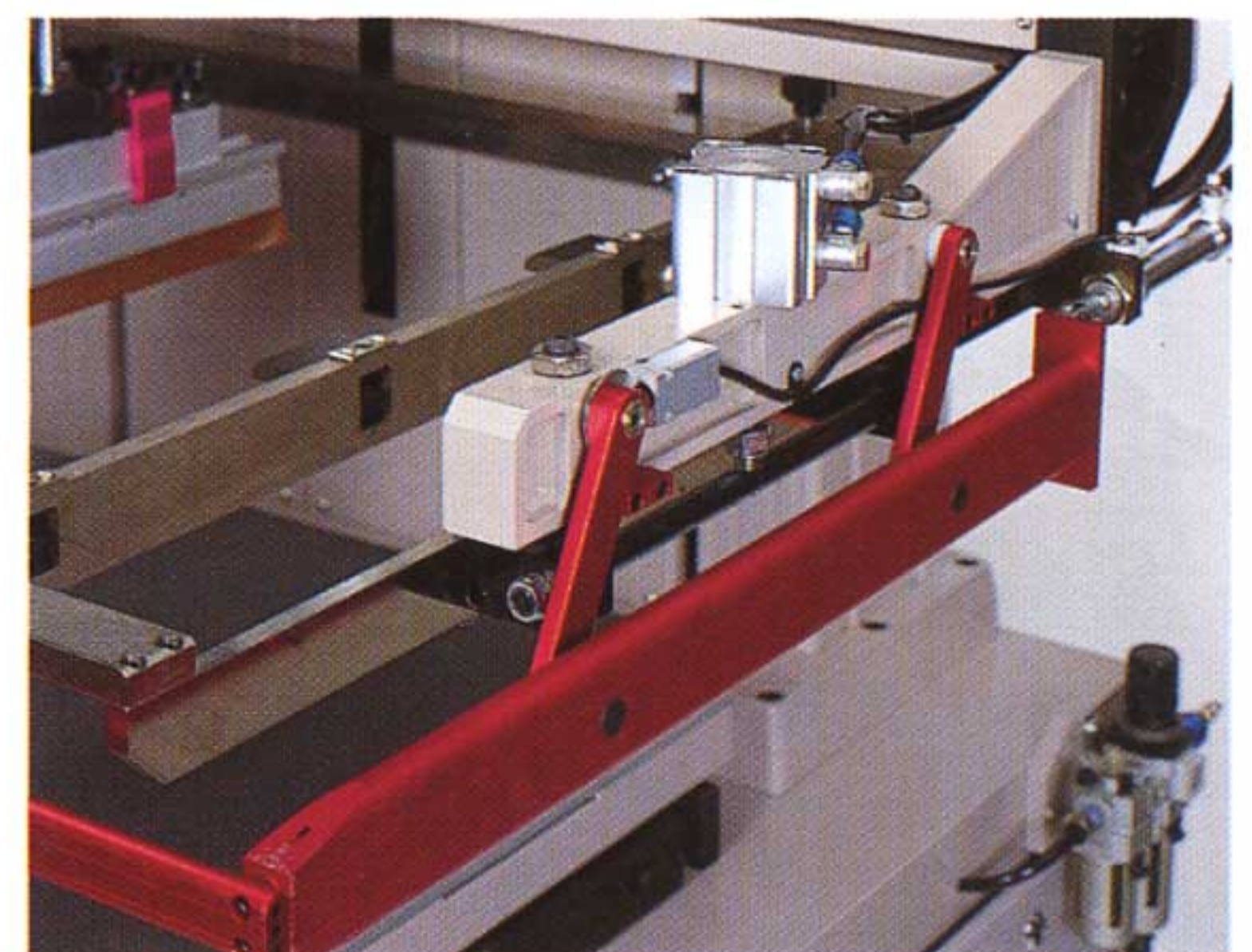
CHANGE MAY BE MADE WITHOUT PRIOR NOTICE



ELECTRIC FLAT SCREEN PRINTER MODEL (MAX. PRINT AREA)

AT-120P (700x1200mm)

AT-160P (700x1600mm)



Safety Bar

TECHNICAL DATA

SPECIFICATION	AT-80P	AT-120P	AT-160P
TABLE SIZE (DxW/mm)	700x900	800x1400	800x1700
VACUUM AREA (DxW/mm)	600x800	700x1220	700x1580
MAX. PRINT AREA (DxW/mm)	600x800	700x1200	700x1600
MAX. FRAME SIZE (O/D, DxW/mm)	900x1100+50	1000x1500+50	1000x1900+50
MAX. FRAME HEIGHT (mm)	25-54	25-54	25-54
SUBSTRATE THICKNESS (mm)	0-25	0-25	0-25
TABLE HEIGHT (mm)	960+20	960+20	960+20
SCREEN-UP CLEARANCE FROM TABLE (mm)	300+25	300+25	300+25
PRINT HEAD SPEED (mm/sec)	0-835	0-835	0-835
MAX. PRINT SPEED (P/H, full stroke)	800	650	480
TABLE X/Y ADJUSTMENT (mm)	±10/±10	±10/±10	±10/±10
PRINT HEAD SKEW-ANGLE (°)	±9	±9	±9
POWER SOURCE	3-PHASE, 220V/380V, 50/60Hz		
POWER CONSUMPTION (kw)	2.5	3.5	4.0
COMPRESSED AIR SOURCE	5-6 kgs/cm ²		
AIR CONSUMPTION (L/cycle)	3	3	3
MACHINE DIMENSION (WxDxH/cm)	150x130x170	190x140x175	230x140x175
MACHINE WEIGHT (kgs)	700	900	1070



ISO 9001 ISO14001
CERTIFIED



SYMBOL OF EXCELLENCE
WINNER 93-98



SLIVER NATIONAL
AWARD OF EXCELLWNC
WINNER 96



NATIONAL INNOVATION
RESEARCH AWARD
WINNER 97



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