



ALL NEW
ELECTRIC SLIDING
TABLE SCREEN PRINTER
WITH OR
WITHOUT TAKE-OFF



APPLICATION

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

Ex: Mylar Overlays, Posters, Stickers, Sign Boards, Flexible Printed Circuits, etc..

(/G type with Gripper Take-off accepts light-weighted & thin materials only)



FEATURES

TOP-QUALITY: Latest upgrade of the stylish ATMA type Two-post Sliding Table 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: Table made of aero-purposed aluminum-alloy face boards + honey-comb interior, strong & light-weighted, driven in/out by best motor + high-accuracy linear rails with aluminum profile support + shock-free speed control, assures smooth & quiet run, low wear & accurate stop-positioning under high speed. With Vacuum provided by Ring-blower + instant on/off switching + flow adjustment valve. (/G type: with on/off selectable auto-retractable Registration Pin Guides, spread on table symmetrically, enables same-point registration for 2-side print match. Added table blow-back + dwell control)

SCREEN SECTION: Screen inserted from front and held by left & right Screen Holder Arms which are freely re-locatable. With adjustment knobs + numerical micrometers for X/Y-axis fine registration. Locking for Frame/Frame Holder Arms/Registration is pneumatic driven and integrated with loose-proof valves & controls against power/air shutdown or operation error. Screen up/down is driven by heavy-duty motor + shock-free speed control + strong & light-weighted 2-post structure + linear rails, runs in dual strokes: short one for regular printing & high-lift for clean-up, 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 + instant down before flood), speed and stroke settable.

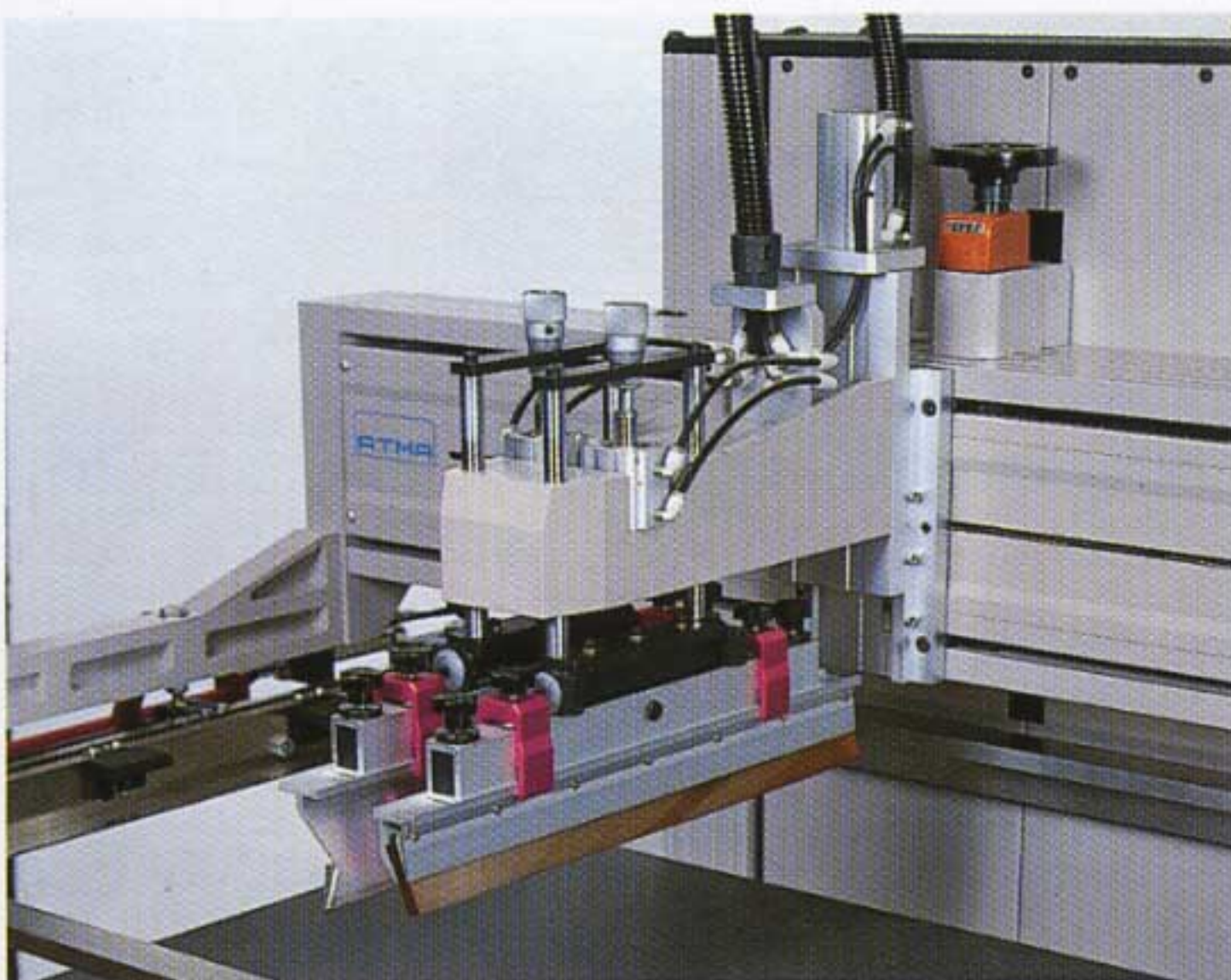
PRINT HEAD: Long-stroked right-to-left print direction, motor driven + shock-free variable speed control + strong & light-weighted structure + linear rails, travel margins settable, stable & smooth run in all speeds. With all necessary adjustment for Squeegee/Flood Coater: inclination angle, skew angle,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



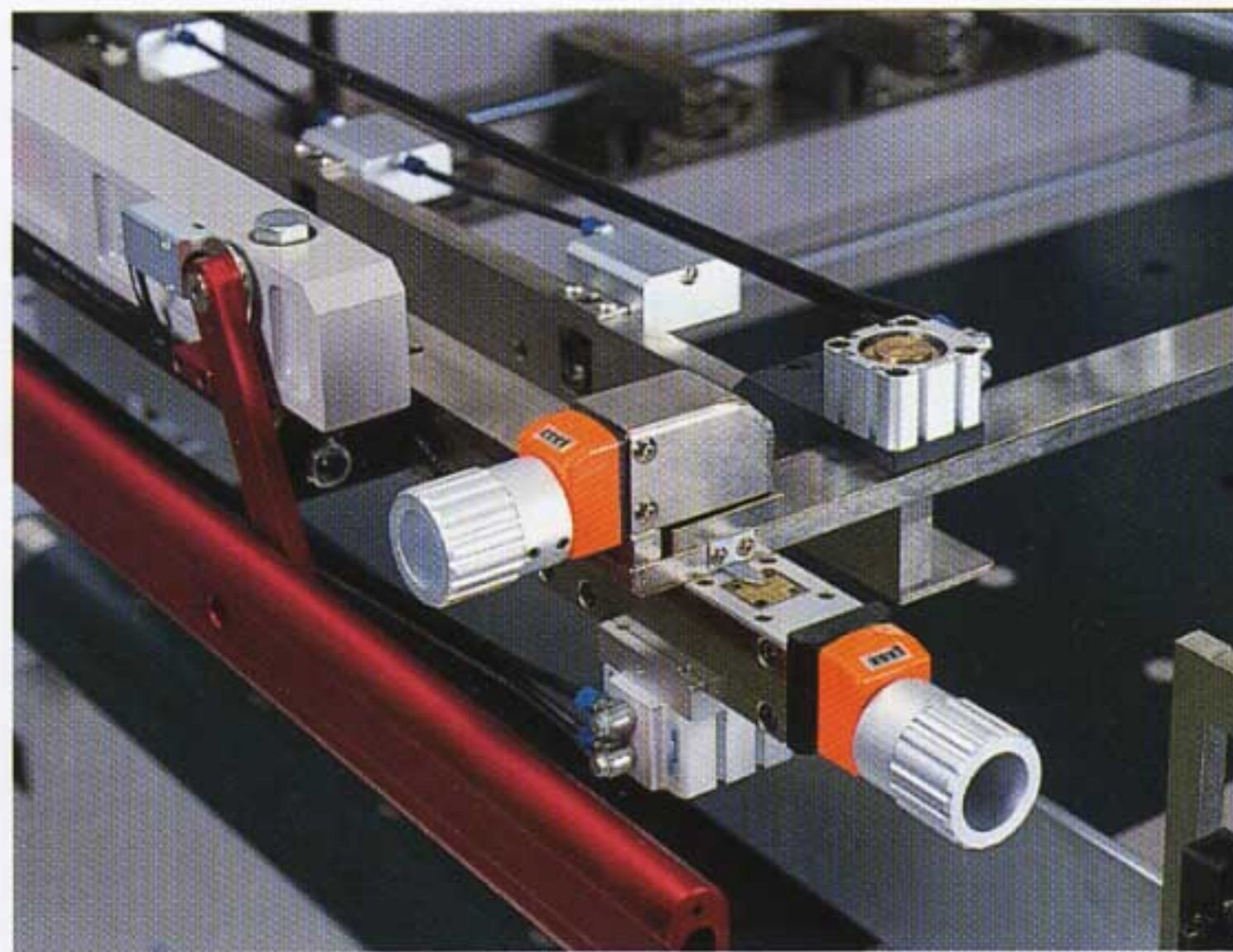
ELECTRIC SLIDING TABLE SCREEN PRINTER WITHOUT TAKE-OFF

MODEL (MAX. PRINT AREA)

AT-80PP (600x740mm)



Pneumatic Print Head Lift-up



Screen Registration Adjustments



Gripper Take-off (/G type)

GRIPPER TAKE-OFF(/G TYPE): Consists of Gripper System + Conveyor Belt System, the grippers take the printed work off the table during table-out, then dropped it on the conveyor belt for out-dispatch(leftward or rightward out exchangeable), grippers adapt 0-6mm thickness automatically and has Release Dwell Timer control, conveyor speed variable.

CLEANING ROLLER(OPTIONAL, MODEL CODE /R, /GR): For cleaning dusts on printing surface, two types for choice: Single Roller type or Roller + Adhesive Tape type(as shown on photo), installed on bracket which can be swung out from front for operator's approach toward machine. Height adjustable and easy roller removal/installation.

ELECTRIC CONTROL: Adopts PLC control featuring all on/off switching for Power, System or else single-action controls & 3 each pneumatic locking, 3 modes selectable for each Operation/Vacuum/Cycle, Print/Flood Speed Tunings, Auto Timer/Foot Switch operation, Counter, Emergency-stop Switch Plate & Safety Bars. (/G type: has further on/off for Registration Pin Guides/Grippers/Conveyor, and 3 modes selectable for Take-off, Counter is Preset type, added Timers for Gripper Release & Blow-back, Conveyor Speed Tuning;(/R & /GR types have further Roller on/off & up/down single-action controls)

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

SAFETY: With Safety Bars over left/front/right side against pinch between screen & table, and another in front against Table-out movement, 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 SLIDING TABLE SCREEN PRINTER WITH GRIPPER TAKE-OFF MODEL (MAX. PRINT AREA)

AT-80PP/G (600x740mm)



Open-front for easy setup & cleaning
(Cleaning Roller is optional)



Cleaning Roller with Adhesive Tape
(Optional, /R or /GR type)

TECHNICAL DATA

SPECIFICATION	AT-80PP	AT-80PP/G
TABLE SIZE (DxW/mm)	800x1000	800x1000
VACUUM AREA (DxW/mm)	600x740	600x740
MAX. PRINT AREA (DxW/mm)	600x740	600x740
MAX. FRAME SIZE (O/D, DxW/mm)	900x1050	900x1050
MAX. FRAME HEIGHT (mm)	25-54	25-54
SUBSTRATE THICKNESS (mm)	0-25	0-6
TABLE HEIGHT (mm)	960+20	960+20
CONVEYOR BELT HEIGHT (mm)	----	965+20
SCREEN-UP CLEARANCE FROM TABLE		
STAND-BY LEVEL (mm)	50+25	50+6
CLEAN-UP LEVEL (mm)	300+25	300+6
TABLE SPEED (mm/sec.)	1030	1030
PRINT HEAD SPEED (mm/sec)	0-835	0-835
MAX. PRINT SPEED (P/H, full stroke)	710	660
SCREEN X/Y ADJUSTMENT (mm)	±10/ ±10	±10/ ±10
PRINT HEAD SKEW-ANGLE (°)	±9	±9
POWER SOURCE	3-PHASE, 220V/380V, 50/60Hz	
POWER CONSUMPTION (kw)	2.8	3.0
COMPRESSED AIR SOURCE	5-6 kgs/cm ²	
AIR CONSUMPTION (L/cycle)	3.9	4.0
MACHINE DIMENSION (WxDxH/cm)	150x215x170	150x215x170
MACHINE WEIGHT (kgs)	800	870



ISO 9001 ISO 14001
CERTIFIED



SYMBOL OF EXCELLENCE
WINNER 93-02



SLIVER NATIONAL
AWARD OF EXCELLWNCE
WINNER 96



NATIONAL INNOVATION
RESEARCH AWARD
WINNER 97



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