

ACCU-PRINT HIGH-TECH HL™

Four-Post Series of 3/4-Automatic Flatbed Screen Printers with Reciprocating Vacuum Bed & Optional Take-Off



ADVANTAGES

- Electromagnetic Bed Lock prevents bed movement while printing
- Remote Diagnostic System delivers instant service to any location worldwide using simple phone-modem connection
- Reciprocating vacuum bed allows easy loading and take-off of substrate while keeping registration
- Aircraft-quality, 2-1/4" thick, aluminum vacuum table provides the heaviest gauge plate in the industry
- Four-post, horizontal head lift accommodates substrates of up to 1" thick
- Brushless, maintenance-free Quiet Vacuum -- quietest in the industry

The Accu-Print High-Tech HL™ four-post flatbed press combines a European-designed print head with top-tier engineering attributes, including: a patented stroke length adjustment with up-front computer controls; a unique ink recovery system that optimizes ink usage; an independent carriage stroke and four-post head lift drive; electro-mechanical brake; four-point masterframe lock-in; and a stand-alone control panel for easy positioning.

The unit's solid construction is further enhanced by a heavy-duty belt drive carriage for smooth squeegee action; a brushless vacuum motor for quiet, maintenance-free operation; and A.W.T.'s industry-leading Remote Diagnostics feature for instant service worldwide.



Manufactured by

A.W.T. World Trade, Inc.
A Division of The A.W.T. World Trade Group

4321 N. Knox Avenue • Chicago, IL 60641 USA

773.777.7100 • Fax: 773.777.0909

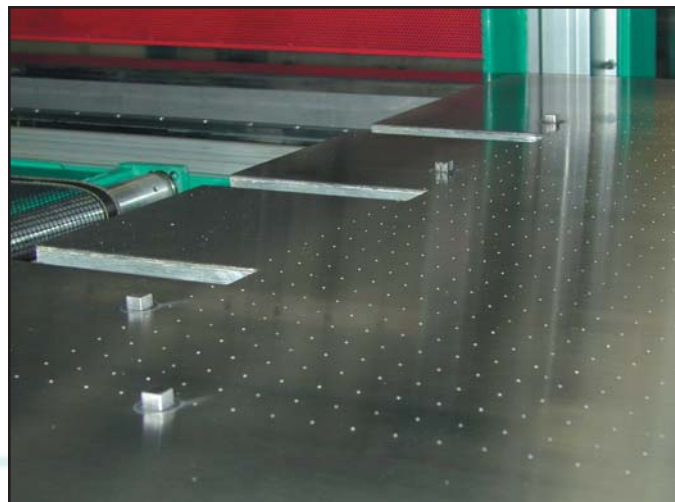
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ACCU-PRINT HIGH-TECH HL™ FOUR-POS

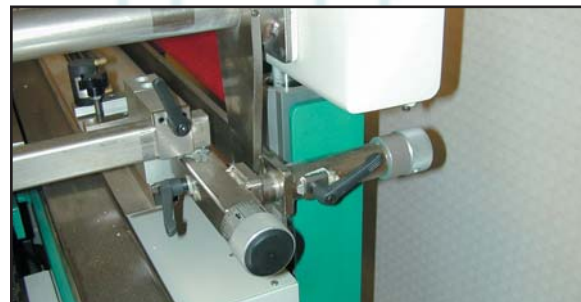
Engineered to work ha

Standard Feature

- **Front or Rear Carriage Stop Mode:** A toggle switch on the main control panel stops the carriage in flood (solvent system) or non-flood (UV curable) mode
- **Masterframe:** Accepts all frame types, including roller frames
- **Electromagnetic Bed Lock:** Prevents bed movement while printing
- **Peel Rate Setting:** Adjustable without tools; allows easy access and fine adjustments to the automatic peel system
- **Position Settings for Front and Rear Screen Holders:** Requires no tools to set and can be positioned to accommodate smaller screens
- **Aircraft-quality Aluminum Vacuum Table:** 2-1/4" thick table with the heaviest gauge plate in the industry
- **Double Print Feature:** Allows extra-heavy ink deposits when required
- **Adjustable Vacuum Timing & Blowback:** Allows easy removal of stock
- **Variable Speed Take-Off:** Adjusts speed to match conventional or UV dryer conveyors
- **Reciprocating Vacuum Bed:** Allows for easy loading and take-off of substrate, while maintaining perfect registration
- **Quiet Vacuum:** Brushless and maintenance-free; the quietest in the industry
- **"0" Off-Contact:** Easily accessible controls allow minimal off-contact settings to take advantage of high-performance, high-tension screens (at maximum frame size)
- **Three-Way Mode Selection:** Allows operator to choose timer, jog or foot pedal mode
- **Independent Squeegee & Floodbar Speeds:** Helps ensure excellent print quality control
- **Squeegee/Floodbar Angle Adjustments:** For absolute print control on challenging jobs
- **Independent Carriage Stroke & Head Lift Drive:** Provides smooth, even print stroke
- **Four-Post Head Lift:** Allows printing on material up to 1" thick



Made of aircraft-quality aluminum, the vacuum bed works with activated grippers and registration guides to eliminate substrate shifts during printing.



Super micro-registration controls allow for quick, easy setup and precise repeatability of +/- .002".



The mobile Control Station can be set up for either right- or left-hand operation, allowing for efficient shooting and efficient job management.

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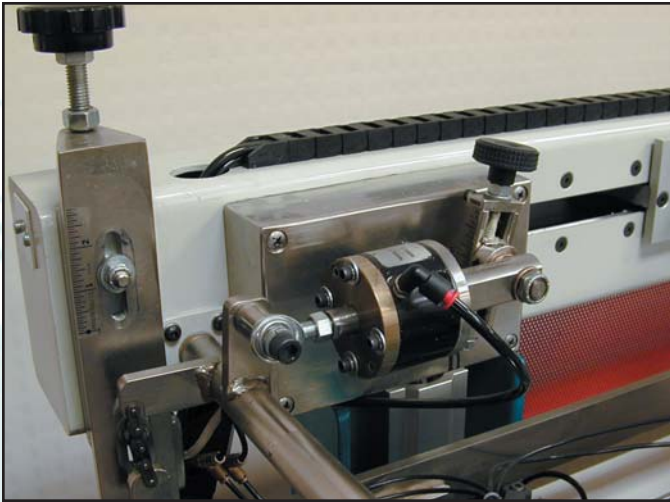
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ST SERIES OF FLATBED SCREEN PRINTERS

rd and save you money!



Up-front off-contact controls allow for easy, precise peel adjustments, including a "0" setting for high-performance screens. Parallel peel is a standard feature that ensures uniform ink coverage control.



The reciprocating bed automates loading and take-off, while the adjustable height locks provides flexible print-head positioning. The chain guard, along with other safety features, ensures accident-free operation.



ors and provides a Diagnostics/Productivity interface for instant trouble-

Standard Features (cont.)

- **Sliding Pneumatic & Manual Screen Clamps:** Provide fast setup and changeover of different screen sizes
- **Extra "Head Room":** Head raises up to 18" for easy screen cleaning with safety interlocks
- **Horizontal Lift System:** Ensures even flooding for even ink deposits
- **Squeegee/Floodbar Pressure Adjustment:** Provides tool-free, easy access to micro-calibrated knobs
- **Super Micro-Registration:** New bearing-actuated system provides precise registration with tolerances to +/- .002"
- **Squeegee Skew System:** Improves ink distribution and uniformity through mesh

Safety Features

- **Emergency Stop Button:** Stops press instantly
- **Key-Operated Carriage:** Cycle and Table Movement Protection prevents accidental cycling of the press
- **Chain Guard:** Prevents entry onto moving bed
- **High Head Lift Safety Interlocks:** Prevent unintended dropdown of head

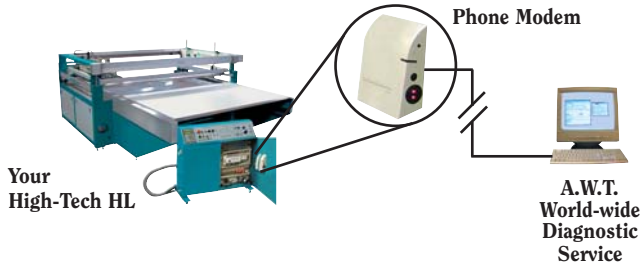
Optional Features

- Take-Off System provides smooth delivery of stock to dryer
- Pneumatically operated disappearing feeding guides
- Dial indicators for registration
- Pre-registration pin system
- Extra gripper assembly for Take-Off
- Squeegee/floodbar pneumatic support cylinders
- Dripless squeegee system
- Double foot pedal air flow control system
- Motorized off-contact
- Spare parts package
- Remote diagnostic package after 1st year
- Job control documentation software program
- Conversion to 50 Hertz

**Your Complete Manufacturing Source
for Screen Printing Equipment, Supplies & Parts**

ADDITIONAL FEATURES FOR EVEN GREATER VALUE!

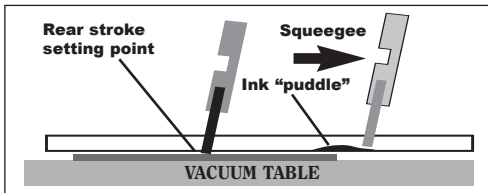
The A.W.T. Advantage: Remote Diagnostics



Standard with every High-Tech HL Printer is the Remote Diagnostic System, a unique feature that delivers instant service to any location in the world. Remote Diagnostics employs a simple phone-modem connection to provide a direct link between the High-Tech HL's on-board microprocessor and the central A.W.T. diagnostics computer. The benefits of this technical-support system are numerous:

- Reduces downtime by up to 80%
- Minimizes the need for expensive on-site service calls
- Allows for remote downloading of optional software upgrades
- Offers operator-friendly instruction
- Does not require a local PC hookup at customer plant

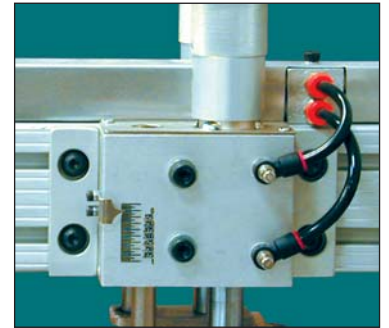
Advanced Ink Recovery



When activated, the High-Tech HL's advanced ink-recovery system optimizes your ink usage by shifting the squeegee beyond preset stroke lengths to recover ink in the well.

Pneumatic Squeegee Pressure Equalizer

The Pneumatic Squeegee Pressure Equalizer System levels squeegee/floodbar pressure across the substrate, which reduces production time, especially on repeat jobs. Easy-to-read indicators provide squeegee and floodbar height at a glance.



Press Diagnostics & Productivity Interface



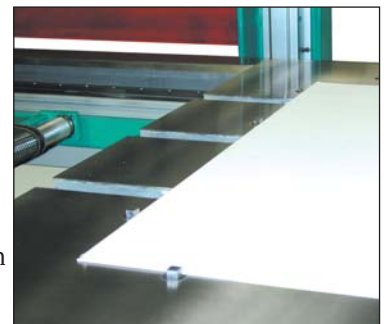
Discover the benefits of instant, on-board trouble-shooting. The interface works with the remote phone modem to reduce downtime and maximize service turnaround.

- Interface screen displays basic press information and automatic error messages
- Individual job status data include quantity printed and stroke-length parameter
- Quantity Mode feature automatically stops the press when the job is complete

Optional Take-Off System

The grippers activate to grab the substrate and hold it in place. The bed then reciprocates out into the load position. As the vacuum bed moves out, the substrate drops onto the Take-Off system belt and is transported to the dryer.

- Eliminates the need for an operator to unload printed stock, saving labor costs
- Handles a wide range of substrates, including paper, plastics, masonite and metal
- Operates smoothly and quietly
- Will remove various substrates up to 1" thick
- Electronically timed with speed of press for fast, easy set up and efficient production



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ACCU-PRINT HIGH-TECH HL™ FLATBED SCREEN PRINTER

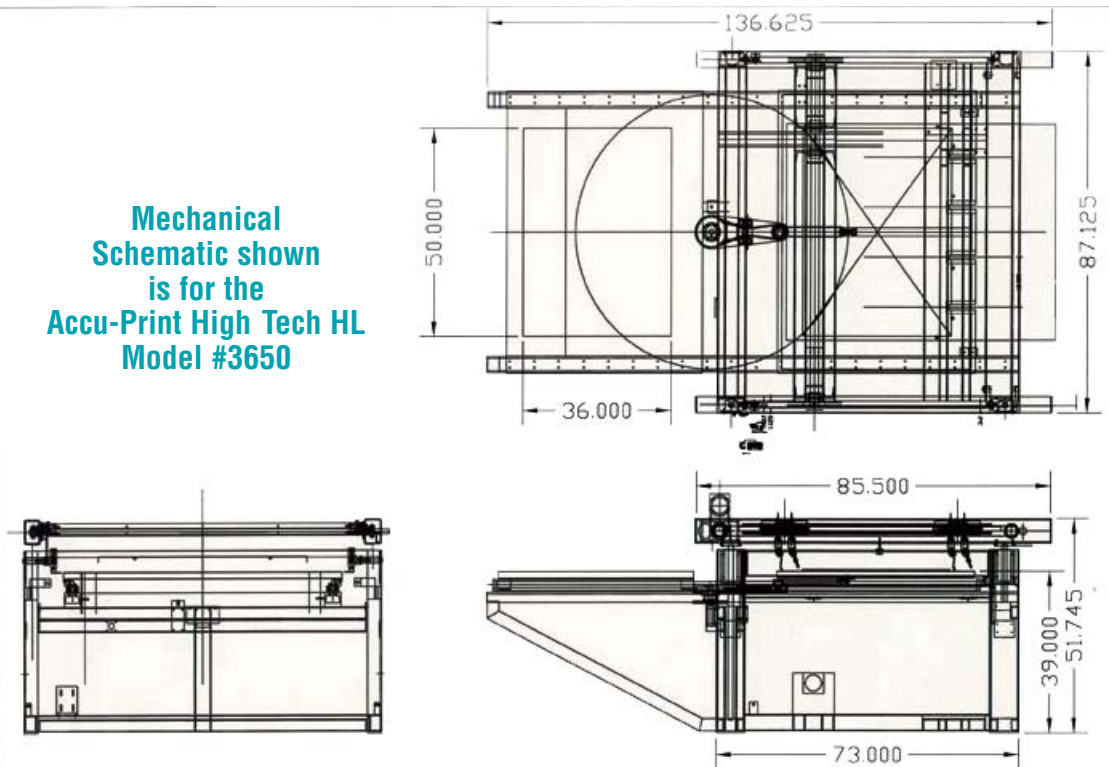
Specifications

Model	Maximum Print Area	Maximum Frame O.D.	Minimum Stroke Length	Maximum Print Thickness	Cycle Speed Range	Electrical Requirements*	Horse Power	Min. Air Req.**
APHTHL-2230	22 x 30" (56 x 76cm)	41 x 50" (104 x 127cm)	19" (49cm)	1" (2.5cm)	Up to 1,100 IPH	115 V, 1 Ph, 15 A 60 Hz	2	100 psi 4 cfm
APHTHL-3040	30 x 40" (76 x 102cm)	48 x 56" (122 x 142cm)	19" (49cm)	1" (2.5cm)	Up to 900 IPH	230 V, 3 Ph, 15 A 60 Hz	2	100 psi 6 cfm
APHTHL-3650	36 x 50" (91 x 127cm)	53 x 64" (135 x 163cm)	19" (49cm)	1" (2.5cm)	Up to 900 IPH	230 V, 3 Ph, 15 A 60 Hz	2	100 psi 6 cfm
APHTHL-3855	38 x 55" (96 x 140cm)	55 x 69" (140 x 175cm)	19" (49cm)	1" (2.5cm)	Up to 850 IPH	230 V, 3 Ph, 15 A 60 Hz	2	100 psi 6 cfm
APHTHL-4464	44 x 64" (112 x 163cm)	67 x 84" (170 x 213cm)	19" (49cm)	1" (2.5cm)	Up to 800 IPH	230 V, 3 Ph, 20 A 60 Hz	3.5	100 psi 6 cfm
APHTHL-5280	52 x 80" (132 x 203cm)	75 x 96" (190 x 244cm)	19" (49cm)	1" (2.5cm)	Up to 750 IPH	230 V, 3 Ph, 20 A 60 Hz	3.5	100 psi 6 cfm
APHTHL-5296	52 x 96" (132 x 244cm)	75 x 116" (190 x 295cm)	19" (49cm)	1" (2.5cm)	Up to 600 IPH	230 V, 3 Ph, 20 A 60 Hz	3.5	100 psi 6 cfm
APHTHL-52124	52 x 124" (132 x 315cm)	75 x 140" (190 x 356cm)	19" (49cm)	1" (2.5cm)	Up to 600 IPH	230 V, 3 Ph, 20 A 60 Hz	3.5	100 psi 6 cfm
APHTHL-68124	68 x 124" (173 x 315cm)	81 x 140" (206 x 356cm)	19" (49cm)	1" (2.5cm)	Up to 600 IPH	230 V, 3 Ph, 20 A 60 Hz	3.5	100 psi 6 cfm

* 220 V, 1 Ph, 50 Hz and 60 Hz models available

** Minimum 25 cfm, 3 HP compressor required for operation with Take-Off

Mechanical Schematic shown is for the Accu-Print High Tech HL Model #3650



Be sure to ask for a copy of our Equipment, Supplies & Parts Catalogs!

The A.W.T. World Trade Group

Combining knowledge, expertise, creativity, outstanding engineering, quality and value to provide the finest equipment, parts, supplies, remanufacturing services and technical support to the screen printing industry

The A.W.T. World Trade Group was formed in 2002 when A.W.T. World Trade, Inc., and Graphic Parts International, Inc., purchased the American M&M screen printing equipment and parts divisions.

With decades of experience in both setting up and serving textile and graphics print shops, the A.W.T. World Trade Group is a screen printer's **complete** manufacturing source for equipment, supplies, parts and remanufactured products.

Experience has shown that when printers use one manufacturing source, they reduce compatibility problems between equipment lines and supplies. The A.W.T. World Trade Group designs and develops **complete** systems to work efficiently and economically together - reducing printing problems, production costs, and downtime.



A.W.T. WORLD TRADE, INC.

A.W.T. is your complete manufacturing source for screen printing equipment, supplies, parts and rebuilt equipment. The company's industry-leading Remote Diagnostics feature allows printers to connect directly with A.W.T.'s service department, saving printers costly downtime.

www.awt-gpi.com



GRAPHIC PARTS INTERNATIONAL, INC. (G.P.I.)

G.P.I. is the screen printing industry's premier source for replacement parts, remanufacturing services and technical support. G.P.I. offers replacement parts for all foreign and domestic screen printing equipment.

www.gpiparts.com

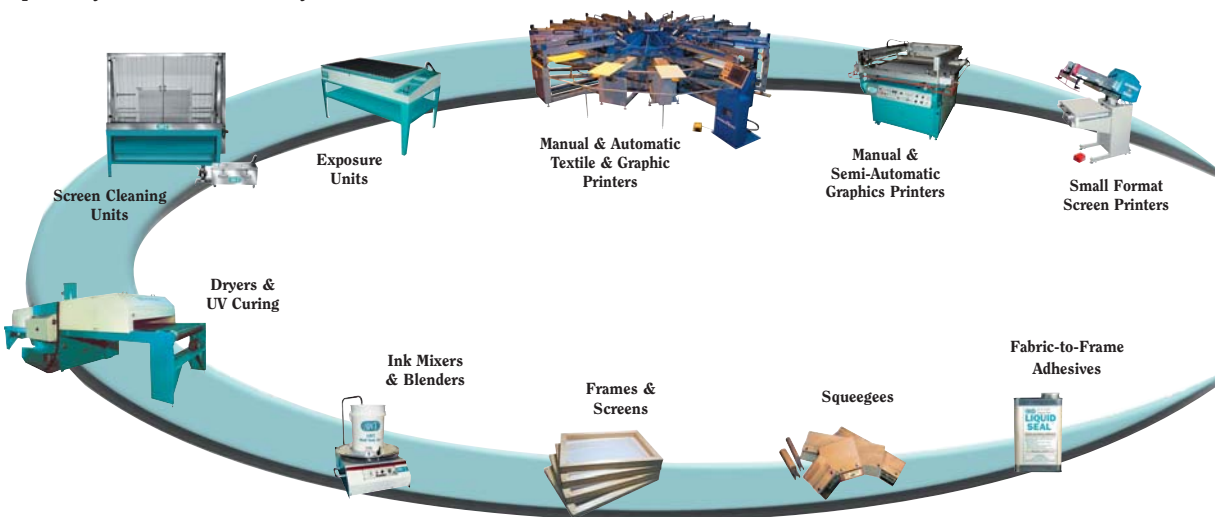


AMERICAN M&M

American, a recent acquisition of A.W.T. World Trade, Inc., is home to such well-known and respected screen printing equipment as the Cameo, Daytona, Hercules and Centurian, among others.

www.screenprintmachinery.com

The A.W.T. World Trade Group's technical sales staff will help you choose the right system for your company's needs. Their industry experts in both service and technical support will help you through the installation and set-up process quickly and confidently.



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