

ACCU-PRINT HIGH-TECH HL™



**Four-Post Series of 3/4-Automatic Flatbed Screen Printers
with Reciprocating Vacuum Table and Optional Takeoff**



ADVANTAGES

- Remote Diagnostics system delivers instant service to any location worldwide using simple Internet-based connection
- Four-post, horizontal head lift accommodates substrates up to 1" thick
- Reciprocating vacuum table allows easy loading and optional takeoff of substrate while maintaining registration
- Electromagnetic table lock secures table position while printing
- All-aluminum, 2-1/4" thick, vacuum table with the heaviest gauge plate in the industry
- Brushless, maintenance-free vacuum motor –quietest in the industry
- Fully customizable to the size you need and the options you want

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 upfront touch screen controls; a unique ink recovery system that optimizes ink usage; independent carriage stroke and headlift drives; electro-mechanical brake; four-point masterframe lock-in; and an optional, 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

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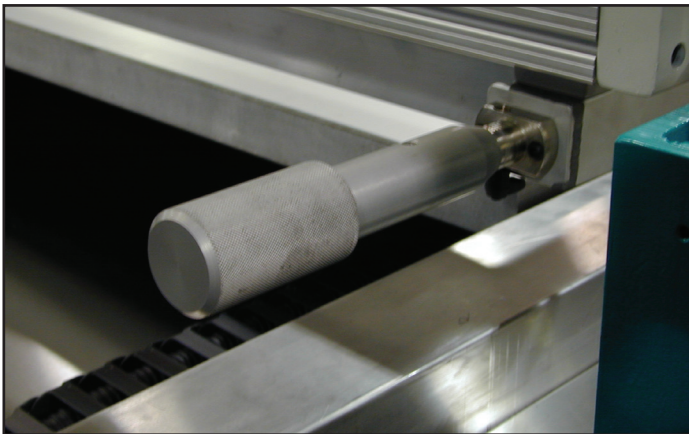
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THE ACCU-PRINT HIGH-TECH HL SERIES

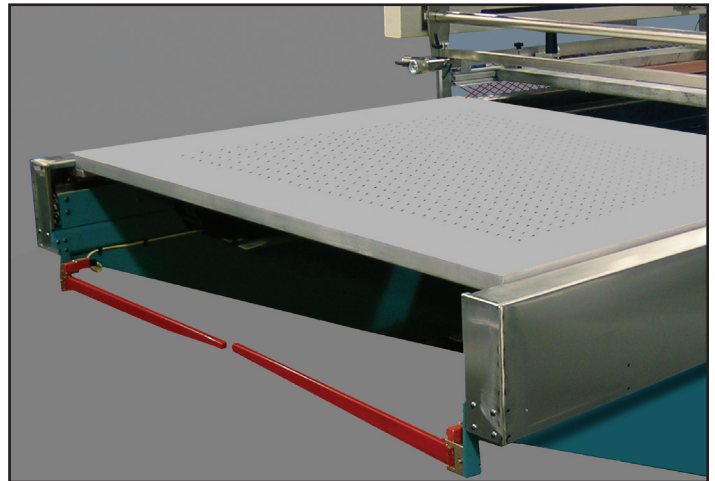
Standard Features

- **Four-post headlift:** Allows printing on material up to 1" thick
- **Touch-screen diagnostics/productivity interface:** Provides easy set up and control, as well as productivity information
- **Masterframe:** Accepts all frame types, including roller frames - up to 2" thick
- **Reciprocating vacuum table:** streamlines loading and take-off while maintaining perfect registration. Adjustable height locks provide flexible positioning of print head
- **Electromagnetic table lock:** Secures table position while printing



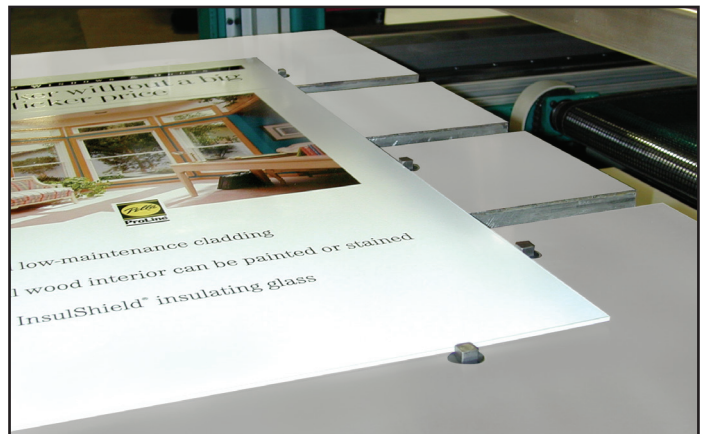
Super micro-registration controls allow for quick, easy setup and precise repeatability of +/- .002"

- **Super micro-registration:** Bearing-actuated system provides precise registration with tolerances to +/- .002"
- **Horizontal lift system:** Ensures even flooding for even ink deposits
- **Automatic parallel peel system:** Ensures uniform ink deposit
- **Peel rate setting:** Adjustable without tools; allows easy access and fine adjustments to the automatic peel system
- **Squeegee skew system:** Improves ink distribution and uniformity through mesh
- **Double print feature:** Allows extra-heavy ink deposits when required
- **Adjustable side screen holders:** Require no tools to adjust and can accommodate smaller screens
- **Sliding pneumatic and manual screen clamps:** Provide fast setup and changeover of different screen sizes
- **Three-way mode selection:** Allows operator to choose timer, jog or foot pedal mode



The reciprocating table facilitates loading and, on models with the optional take-off, removing the substrate. The adjustable height locks provide flexible printhead positioning.

- **"0" off-contact:** Easily accessible controls allow for "0" off contact to take advantage of high-performance, high-tension screens (at maximum frame size)
- **Independent carriage stroke and head lift drives:** Eliminate vibration and ensure smooth, even print strokes
- **Front or rear carriage stop mode:** Switch easily between stopping the carriage in flood or nonflood mode.
- **Independent squeegee and floodbar speeds:** Help ensure excellent print quality control



All-aluminum vacuum table shown with pneumatic gripper cutouts and optional disappearing registration guides features easy loading with superior substrate holddown.

- **Squeegee/floodbar angle adjustments:** For absolute print control on challenging jobs
- **Squeegee/floodbar pressure adjustment:** Provides tool-free, easy-to-access micro-calibrated knobs

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Standard Features *(continued)*

- **Extra “head room”:** Raises head up to 18" for easy screen cleaning with safety interlocks
- **Adjustable vacuum timing and blowback:** Makes stock removal easy
- **All-aluminum vacuum table:** 2-1/4" thick table with the heaviest gauge plate in the industry
- **Quiet vacuum:** Brushless and maintenance-free motor—the quietest in the industry

Safety Features

- **Emergency stop button:** Stops press instantly
- **Key-operated carriage cycle:** Offers table movement protection and prevents accidental cycling of the press
- **Safety bars:** Protect operator from vacuum table and print head movement
- **High headlift safety interlocks:** Prevent unintended head dropdown

Optional Features

- Independent operator control stand
- Takeoff system provides smooth delivery of stock to dryer
- Extra gripper assembly for takeoff
- Pneumatically operated disappearing registration guides (standard on presses with a take-off)
- Dial indicators for registration
- Squeegee/floodbar pneumatic support cylinder

Specifications

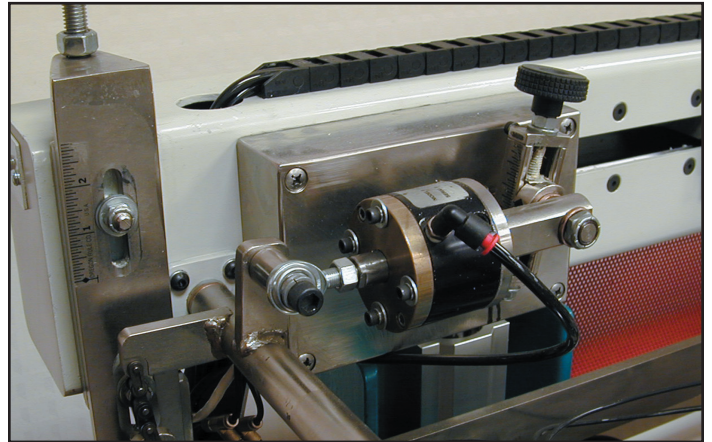
Optional Takeoff not included.

To order any model above with optional Takeoff, remove “NTO” from the applicable model number.

CAT. NO.	MAX. PRINT AREA	MAX. FRAME O.D.	MIN. STROKE LENGTH	MAX. PRINT THICKNESS	CYCLE SPEED RANGE*	ELECTRICAL REQUIREMENTS**
APHTHL-2230NTO	22 x 30" (56 x 76cm)	41 x 50" (104 x 127cm)	19" (49cm)	1" (2.5cm)	Up to 750iph	230V, 3PH, 15A, 60Hz
APHTHL-3040NTO	30 x 40" (76 x 102cm)	48 x 56" 122 x 142cm)	19" (49cm)	1" (2.5cm)	Up to 700iph	230V, 3PH, 15A, 60Hz
APHTHL-3650NTO	36 x 50" (91 x 127cm)	53 x 64" (135 x 163cm)	19" (49cm)	1" (2.5cm)	Up to 625iph	230V, 3PH, 15A, 60Hz
APHTHL-3855NTO	38 x 55" (97 x 140cm)	55 x 69" (140 x 175cm)	19" (49cm)	1" (2.5cm)	Up to 600iph	230V, 3PH, 15A, 60Hz
APHTHL-4464NTO	44 x 64" (112 x 163cm)	67 x 84" (170 x 213cm)	19" (49cm)	1" (2.5cm)	Up to 500iph	230V, 3PH, 15A, 60Hz
APHTHL-5280NTO	52 x 80" (132 x 203cm)	75 x 96" (190 x 244cm)	19" (49cm)	1" (2.5cm)	Up to 450iph	230V, 3PH, 15A, 60Hz
APHTHL-5296NTO	52 x 96" (132 x 244cm)	75 x 116" (190 x 295cm)	19" (49cm)	1" (2.5cm)	Up to 400iph	230V, 3PH, 15A, 60Hz
APHTHL-52124NTO	52 x 124" (132 x 315cm)	75 x 140" (190 x 356cm)	19" (49cm)	1" (2.5cm)	Up to 350iph	230V, 3PH, 15A, 60Hz
APHTHL-6284NTO	62 x 84" (158 x 213cm)	78 x 102" 198 x 259cm)	19" (49cm)	1" (2.5cm)	Up to 300iph	230V, 3PH, 15A, 60Hz
APHTHL-6296NTO	62 x 96" (158 x 244cm)	78 x 116" (198 x 295cm)	19" (49cm)	1" (2.5cm)	Up to 250iph	230V, 3PH, 15A, 60Hz
APHTHL-68124NTO	68 x 124" (173 x 315cm)	81 x 140" (206 x 356cm)	19" (49cm)	1" (2.5cm)	Up to 250iph	230V, 3PH, 15A, 60Hz

* Maximum cycle speed is determined by a combination of minimum stroke and head lift and maximum print speeds.

** 380-415V, 3PH, 50Hz models available.



Upfront controls enable precise and easy peel adjustments ensuring uniform ink coverage. "0" off-contact setting allows printer maximum benefit from high-performance, high-tension screens.

- Dripless squeegee system
- Double foot-pedal airflow control system
- Motorized off-contact
- Spare parts package
- Extended Remote Diagnostics packages
- Conversion to 50 Hz

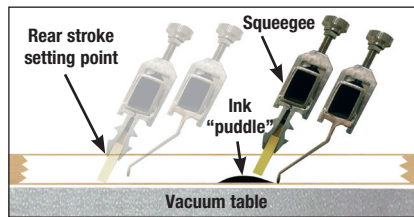
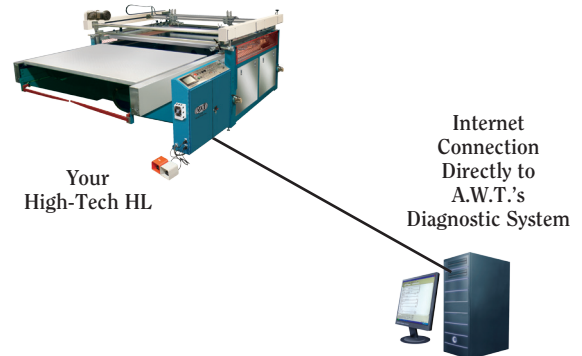
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ADDITIONAL FEATURES FOR EVEN GREATER VALUE!

Remote Diagnostics

Standard with every High-Tech HL printer is the Remote Diagnostics System, a unique feature that delivers instant service to any location in the world where an Internet connection is available. Remote Diagnostics employs a simple Internet connection to provide a direct link between the High-Tech HL's onboard microprocessor and the central A.W.T. server. The benefits of this technical support system are numerous:

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

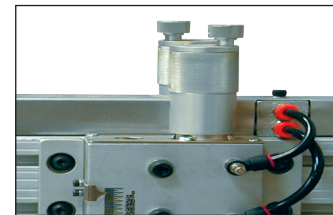


Advanced Ink Recovery

When activated, the High-Tech HL's Advanced Ink Recovery System optimizes your ink usage by shifting the squeegee beyond the preset stroke length to recover ink in the well.

Pneumatic Squeegee Pressure Equalizer

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



Touch-Screen Diagnostics and Productivity Interface

Discover the benefits of instant, onboard troubleshooting.

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

Optional Takeoff System

The grippers activate to grab the substrate and hold it in place while the table reciprocates out into the load position. As the vacuum table moves out, the substrate drops onto the takeoff system belt and is transported to the dryer.

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



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