

# 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 headlift 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
- Brushless, maintenance-free vacuum motor – quietest in the industry
- All-aluminum, 2-1/4" thick, vacuum table with the heaviest gauge plate in the industry
- Continually improved each year for the past 15 years

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 master-frame 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.



**A.W.T. World Trade Inc.**

*A Division of The A.W.T. World Trade Group*

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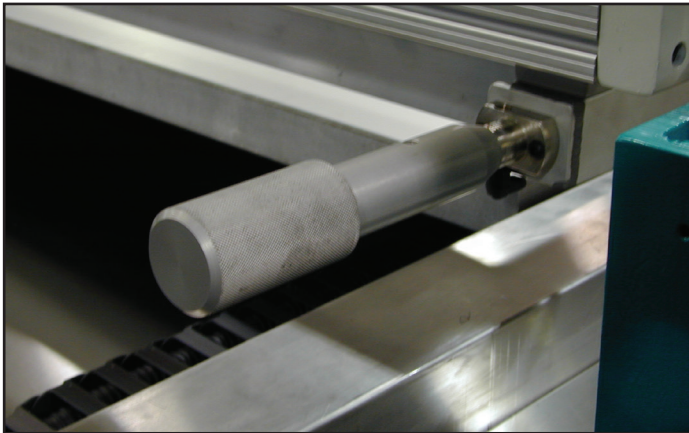
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# The Accu-Print High-Tech HL Series

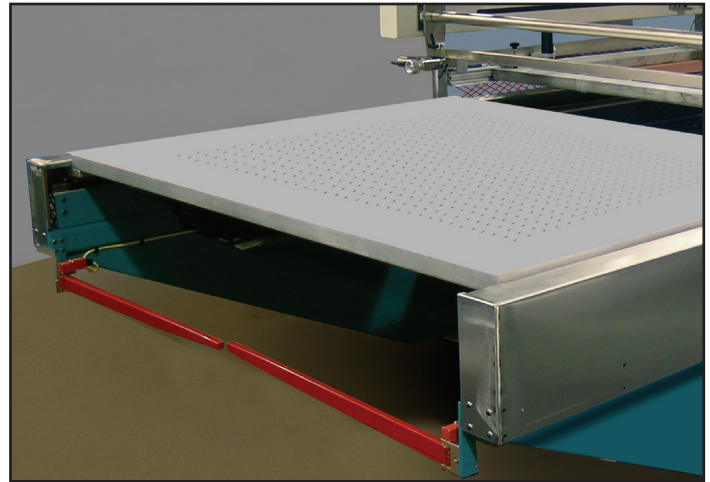
## Standard Features

- **Touch-screen diagnostics/productivity interface:** Provides operational control and instant service worldwide with free unlimited use first year
- **Masterframe:** Accepts all frame types, including roller frames - up to 1" thick
- **Electromagnetic table lock:** Secures table position while printing
- **Super micro-registration:** Bearing-actuated system provides precise registration with tolerances to  $\pm .002$ "



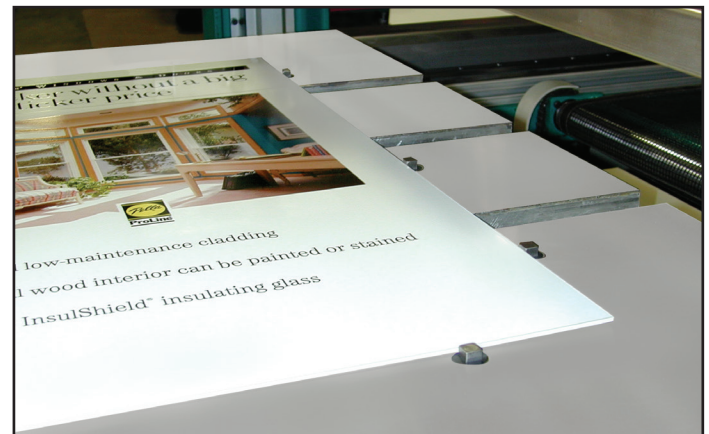
Super micro-registration controls allow for quick, easy setup and precise repeatability of  $\pm .002$ "

- **Front or rear carriage stop mode:** Toggle switch on the main control panel stops the carriage in flood (solvent system) or nonflood (UV curable) mode
- **Position settings for side screen holders:** Require no tools to set and can be positioned to accommodate smaller screens
- **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
- **Double print feature:** Allows extra-heavy ink deposits when required
- **All-aluminum vacuum table:** 2-1/4" thick table with the heaviest gauge plate in the industry
- **Reciprocating vacuum table:** Enables easy loading and takeoff of substrate, while maintaining perfect registration
- **Quiet vacuum:** Brushless and maintenance-free motor—the quietest in the industry
- **Adjustable vacuum timing and blowback:** Makes stock removal easy



The reciprocating table automates loading and takeoff, while the adjustable height locks provide flexible print-head positioning. Safety bar ensures operator protection.

- **Three-way mode selection:** Allows operator to choose timer, jog or foot pedal mode
- **Four-post headlift:** Allows printing on material up to 1" thick
- **Independent carriage stroke and headlift drives:** Provide smooth, even print strokes
- **"0" off-contact:** Easily accessible controls allow minimal off-contact settings to take advantage of high-performance, high-tension screens (at maximum frame size)



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

- **Independent squeegee and floodbar speeds:** Help ensure excellent print quality control
- **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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# Engineered to work HARD and SAVE you money!

## Standard Features *(continued)*

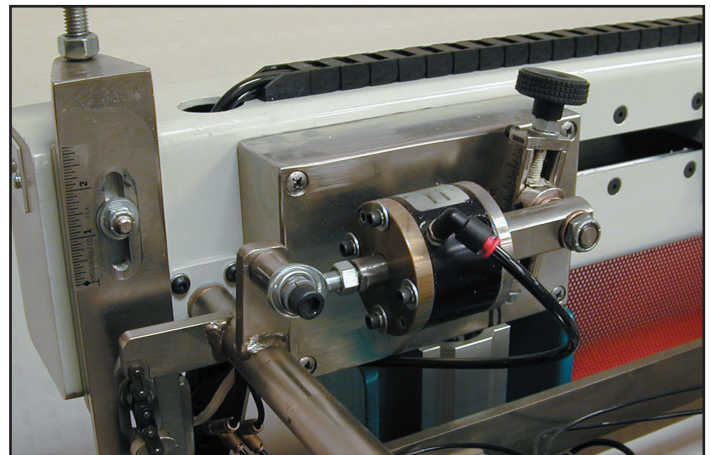
- **Squeegee skew system:** Improves ink distribution and uniformity through mesh
- **Extra “head room”:** Raises head up to 18" for easy screen cleaning with safety interlocks
- **Sliding pneumatic and manual screen clamps:** Provide fast setup and changeover of different screen sizes

## 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
- Pre-registration pin system
- Dial indicators for registration
- Squeegee/floodbar pneumatic support cylinders



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
- Conversion to 50 Hz
- Spare parts package
- Job control documentation software
- Remote Diagnostics package after first year

## Specifications

| 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 76 cm)    | 41 x 50" (104 x 127 cm)  | 19" (49 cm)        | 1" (2.5 cm)          | Up to 1,000 IPH   | 230 V, 3 PH, 15 A, 60 Hz |
| APHTHL-3040NTO  | 30 x 40" (76 x 102 cm)   | 48 x 56" (122 x 142 cm)  | 19" (49 cm)        | 1" (2.5 cm)          | Up to 900 IPH     | 230 V, 3 PH, 15 A, 60 Hz |
| APHTHL-3650NTO  | 36 x 50" (91 x 127 cm)   | 53 x 64" (135 x 163 cm)  | 19" (49 cm)        | 1" (2.5 cm)          | Up to 650 IPH     | 230 V, 3 PH, 15 A, 60 Hz |
| APHTHL-3855NTO  | 38 x 55" (97 x 140 cm)   | 55 x 69" (140 x 175 cm)  | 19" (49 cm)        | 1" (2.5 cm)          | Up to 650 IPH     | 230 V, 3 PH, 15 A, 60 Hz |
| APHTHL-4464NTO  | 44 x 64" (112 x 163 cm)  | 67 x 84" (170 x 213 cm)  | 19" (49 cm)        | 1" (2.5 cm)          | Up to 550 IPH     | 230 V, 3 PH, 20 A, 60 Hz |
| APHTHL-5280NTO  | 52 x 80" (132 x 203 cm)  | 75 x 96" (190 x 244 cm)  | 19" (49 cm)        | 1" (2.5 cm)          | Up to 500 IPH     | 230 V, 3 PH, 25 A, 60 Hz |
| APHTHL-5296NTO  | 52 x 96" (132 x 244 cm)  | 75 x 116" (190 x 295 cm) | 19" (49 cm)        | 1" (2.5 cm)          | Up to 450 IPH     | 230 V, 3 PH, 25 A, 60 Hz |
| APHTHL-52124NTO | 52 x 124" (132 x 315 cm) | 75 x 140" (190 x 356 cm) | 19" (49 cm)        | 1" (2.5 cm)          | Up to 450 IPH     | 230 V, 3 PH, 25 A, 60 Hz |
| APHTHL-6284NTO  | 62 x 84" (158 x 213 cm)  | 78 x 102" (198 x 259 cm) | 19" (49 cm)        | 1" (2.5 cm)          | Up to 400 IPH     | 230 V, 3 PH, 25 A, 60 Hz |
| APHTHL-6296NTO  | 62 x 96" (158 x 244 cm)  | 78 x 116" (198 x 295 cm) | 19" (49 cm)        | 1" (2.5 cm)          | Up to 400 IPH     | 230 V, 3 PH, 25 A, 60 Hz |
| APHTHL-68124NTO | 68 x 124" (173 x 315 cm) | 81 x 140" (206 x 356 cm) | 19" (49 cm)        | 1" (2.5 cm)          | Up to 400 IPH     | 230 V, 3 PH, 25 A, 60 Hz |

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

\*\* All models shown above DO NOT include the optional takeoff. To order a printer WITH a takeoff, simply remove the "NTO" after model number. Example: APHTHL-2230NTO becomes APHTHL-2230.

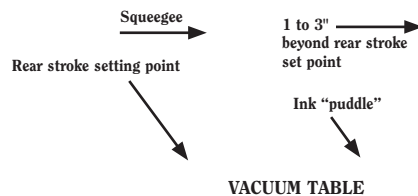
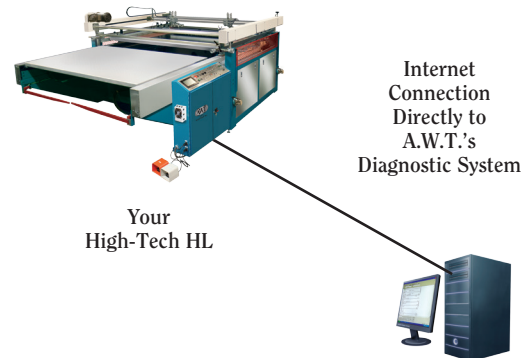
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# ADDITIONAL FEATURES FOR EVEN GREATER VALUE!

## 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 the World Wide Web reaches. 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

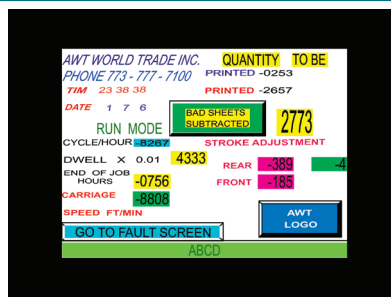
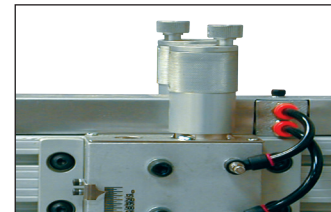


## Advanced Ink Recovery

When activated, the High-Tech HL's Advanced Ink Recovery System optimizes your ink usage by shifting the squeegee one to three inches beyond 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
- Handles a wide range of substrates, including: paper, plastic, masonite and metal
- Operates smoothly and quietly
- Removes various substrates up to 1" thick
- Electronically timed with press speed for fast, easy setup and efficient production



Manufactured by

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