

H.A.L. (High-speed Auto Loader)

Total reach distance of 10ft 5 inches
(3.2mtr)

Media stack height
50 inches (1.27mtr)

State of the art carbon fiber arm
(light weight and extreme strength)

Perfect integration
between H.A.L. and the
Jeti Flatbed family
(24/7, around the clock production)

Lifting frame with
individual suction cups
for maximum grip

Solid steel base
for optimum stability

Lifting mounts (forklift truck)

H.A.L.'s 'magic eye'
Checks and evaluates
each piece of media for
damage or contamination
before printing



GANDINNOVATIONS
where innovation meets perfection

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Gandinnovations steps into the future of grand-format digital print production with the debut of H.A.L. 'High-speed Auto Loader'. HAL is a fully-automated material handling robotic system specially designed to achieve maximum production efficiency while working in synchronization with all Jeti flatbed digital printers.

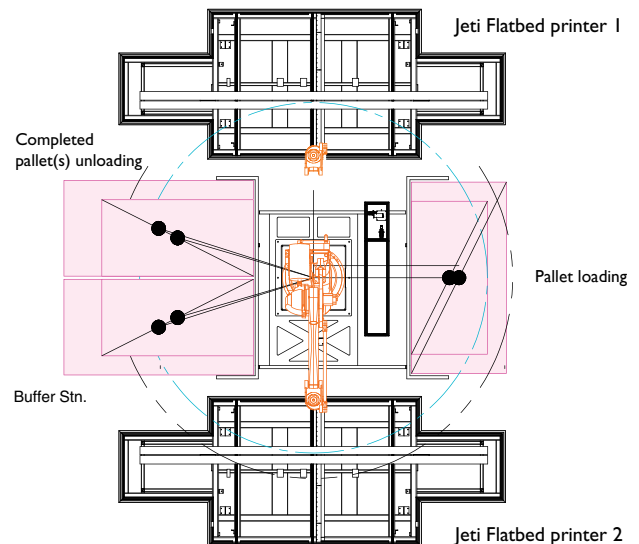
Operate two machines at once! Work faster! More accuracy!

H.A.L. can operate two Jeti flatbed printers, situated back to back, with H.A.L.'s configurable layout orientation. Designed to handle any size of rigid materials, H.A.L. can load and unload the printer by using new technology and software that surpasses conventional automation or manual solutions.

H.A.L.'s 'magic eye', an intelligent camera station, evaluates the condition of material for damages and pre-determines the media position to ensure perfect media placement every time. This "magic eye" scrutinizes the job for contamination between the media transfer on pre-selected cycles.

H.A.L.'s software comes with an option to monitor print jetting after pre-selected cycles are complete. H.A.L. also inspects the material test pattern on the border to ensure less waste, should print abnormalities or contamination occur. Once the job is complete, H.A.L. unloads the print area and places the finished job in an allocated area. Designed to run around the clock, H.A.L. will increase production speeds for any Jeti flatbed printer.

Explore Gandinnovations – technology that continues to revolutionize the digital print industry.





H.A.L. (High-speed Auto Loader)

- Capable of handling thin, flexible or rigid non-porous materials up to 10mm thick
- Handles 4' x 8' sheet sizes with stack heights up to 50" on load & unload
- Fully enclosed safety cell with safety interlocks
- Configurable layout for the operation of two Jeti flatbeds situated back to back
- Print-to-print cycle in less than 60 seconds when used in conjunction with high speed print heads.
- Detection of sheet corner damage up to .040" eliminating the possibility of costly head strikes
- Materials in good condition are repeatedly and accurately placed to print bed within .040"
- Option to monitor print jetting after preselected cycles are complete.
- Visually inspects test pattern on the border to ensure less waste should print abnormalities occur.
- Option to monitor contamination between cycles by visually inspecting the pick up area.
- Able to extend production beyond normal work shift by running out rigid material supply skid.

Technical Specifications

Dimensional Requirements	Height: - Minimum 10' ceiling Area: - 26' wide x 16' deep on Printer rear side	Electrical / Air	North America, 480/600 VAC/3PH/60HZ, 80 psi, clean and dry
H.A.L.	Payload: 100Kg. Weight: 1200Kg. Max. Reach: 3,200mm Max. Rotation: 370 Degrees Repeatability: +/- 0.25mm Number of axis: 4 Controller: KR C2 Software: Kuka Vision	Print Media Types	Sizes: 48" x 96" 60" x 120" Thickness: .032" up to .500" Weight: up to 75Kg Texture: Smooth, non-porous Color: Non-clear Stack Height: up to 53" to floor
Vision	Sheet Locator: Cognex Damage Detection: Cognex Lighting: 50,000 hours lifetime	Cycle Time	With Buffer Station: 15s Unload to Load. Without Buffer Station: 35s Unload to Load.
Registration:	Accommodates positional variance of up to +/- 3" Table: positional variance +/- .060".	Sheet damage detection	Corner flatness greater than .040" is rejected. Robot mounted Sensor monitors height each cycle

Services

Online Technical Support, 8:00am - 8:00pm (*eastern standard*) Monday - Friday,
Fully qualified service engineers available onsite (*within 24 hrs*).
T: 1 866 500 JETi (*North America*).

For more information, visit our website at
www.gandinnovations.com

click, call or come in.