

Horizon

Tipping Collator HAL-4

HAL-4

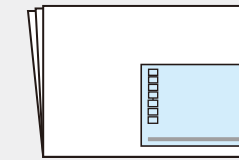


Accurate tipping is ensured with the touch panel display and high-sensitive sensor.

- Space-saving 4-hopper collator can deliver 3,600 sets per hour.
- Non-contact gluing unit enables to produce high quality application of glue.
- Via the touch panel display, the number of hoppers which will be used and the on/off control of the optional CCD camera can be set up. The gluing length and position also can be adjusted.
- The high-sensitive sensor is capable of detecting an defective sets with a difference of 0.05 mm / 0.002" to avoid producing a bad booklet.
- Optional CCD camera can be attached in the hopper to detect mistake in loading signature into hopper.

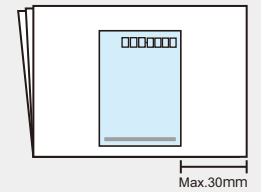


Special Tipping



■ Up Tipping

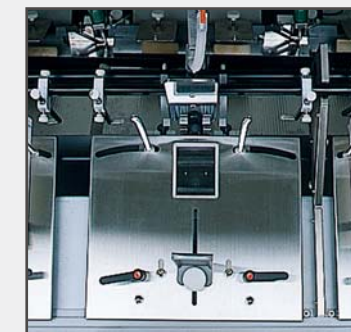
"Up tipping" means tipping or attaching a sheet above the spine of the collated set. To set up for up tipping, install the up tipping guides on the hopper closest to the delivery section.



■ Card Positioning

"Card positioning" allows you to position a sheet (such as a post card) in the collated set and tip it. The sheet can be offset a maximum of 30 mm (1.18") by using a special hook for card positioning.

Optional CCD Camera Detection



Optional CCD camera can be attached in the hopper to detect mistake in loading signature into hopper.

Control Panel



Additional Touch Panel for the Optional CCD Camera

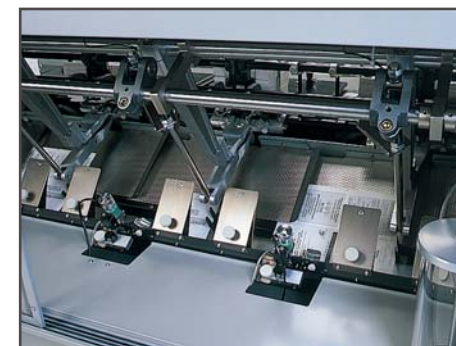
The graphical screen guides the user through all set-up procedures with ease. Rear control panel provides for collating speed adjustment and start / stop / jog operation, and lets you monitor the gluing or delivering condition. Running the test feeding function, the sheet thickness can be measured and recorded automatically. If any errors occur, a description and location of the problem are displayed in the touch panel display.

Feed Section



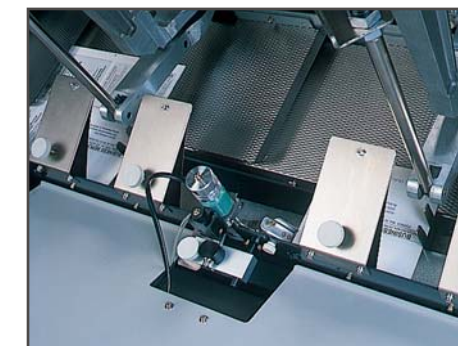
The air suction and the grip arm enable the collator to handle a wide variety of sheets accurately. The simple feed section setup procedure allows you to easily change sheet size.

Transport Section



Available sheet size is post card to A4 (8.27" x 11.69"). Each hopper has feed error sensor to detect any feed error when the gripper picks up the sheet and prevent the bad set from being transported to the gluing mechanism. Uniquely designed gripper ensures feeding without a scratch.

Gluing Mechanism



As the nozzle type gluing unit does not touch the signature when gluing, the glue is applied to each signature evenly. The amount of glue to be applied can be simply adjusted by a knob. After gluing, the signature is compressed by the compression plate to insure the quality of tipping output.

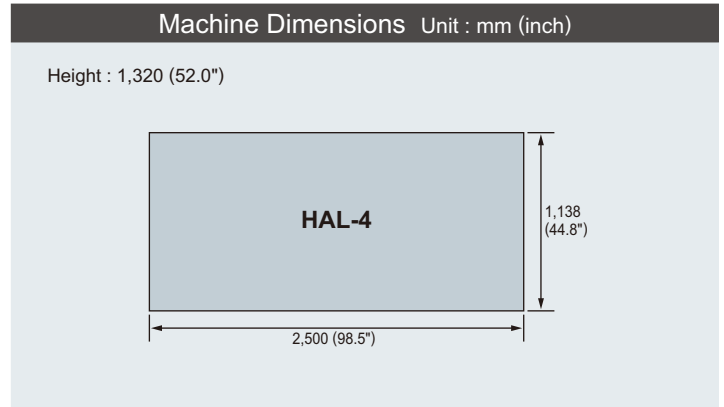
Delivery Section



The collated sheets are delivered to the receiving tray by a conveyor belt. The speed of the conveyor belt can be adjusted simply through touch panel display.

HAL-4 Major Specifications	
Number of Hopper	4
Sheet Size	Post Card to A4 (Max. 260 mm x 330 mm) (10.23" x 12.99") *A4SEF cannot be delivered.
Sheet Weight Range	Normal Paper 53 to 116 gsm Coated Paper 80 gsm or more
Sheet Feeding System	Air Suction and Grip Feeding System
Hopper Pile Height	Normal Paper Max : 200 mm (7.87") Coated Paper Max : 150 mm (5.90")
Tipping Speed	Max. 3,600 sets/hr (Variable)
Voltage / Frequency	Three Phase, 200 V, 50 /60 Hz Three Phase, 400 V, 50 Hz
Machine Dimensions	2,500(W) x 1,138(D) x 1,320(H) mm (98.5" x 44.8" x 52.0")

*The machine design and specifications are subject to change without any notice.



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