

Technical Bulletin:

Astrojet SP2 Inline Operation

Sensor Kit for Inline Mode

Astro is pleased to announce and upgrade to an existing model.

Starting Jun 2026. All units will be equipped with interfacing connectors for inline mode. This will allow printing units to be installed and used with Infeed sensor assembly only and without proprietary feeder ABF-15.



What's New

- Integrated into Astrojet SP2 printer: Two interface connectors managing total of four programmable ports with input/output NO/NC signals. Pins 3-4 on Port 2 have an optional 5V input signal for CD-900 .
- If you do not plan to use feeder: Infeed **Sensor Kit for the Astrojet SP2**, will be an optional item, and it can be ordered under part number **53-900-03**
- If you do not plan to use feeder, optional: **Infeed Plate**, for hand feeding or drive bypassing. Ordered under part number **53-118-01**.

If you are ordering unit intended exclusively for inline use, you will need to order Printer unit only with Infeed sensor Kit 53-900-03. Infeed plate is optional.

Benefits for Distributors and End Users

With this setup print units can be installed in line with output conveyors, tabbers, inserters or third-party feeding systems. For distributors, the Infeed Sensor Kit provides an additional configuration option to address customer inline workflow requirements.

Availability and Compatibility

The Infeed Sensor Kit and Infeed Plate are intended for Astrojet SP2 systems used in inline mode. Distributors and end users should confirm system compatibility, installation requirements, and order details through their standard Astro support or sales channel before deployment.

Setup

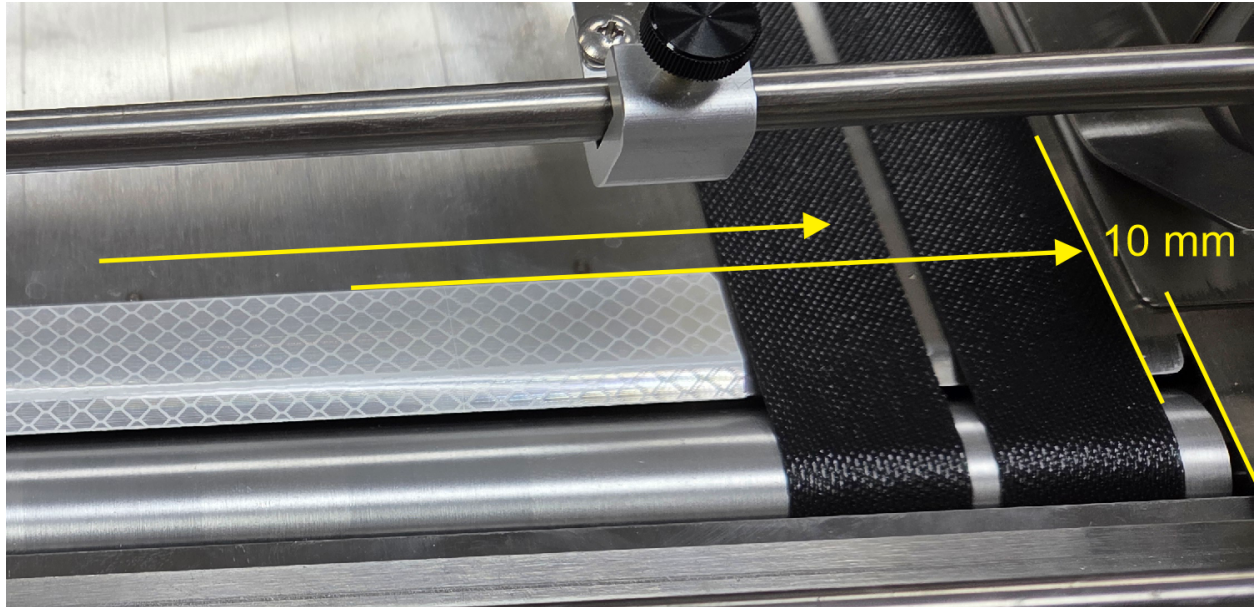
Infeed Sensor Kit, 53-900-03



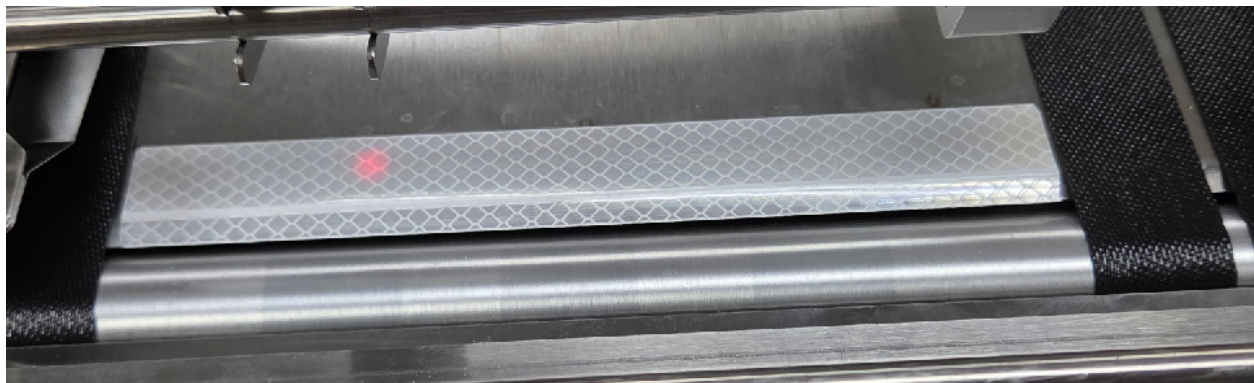
How to install it:

From UI, Run Paperpath.

Slide two outside transport belts close to opposite edge of the roller, as shown below.



Apply reflective tape to the area between belts. Make sure that bend in the tape matches the band on the plate.



Secure sensor assembly on the rod above plate as shown below. Make sure sensor is pointing at the reflective tape.

Secure sensor wire with ties.

Do not overtighten ties as you may want to adjust sensor position later.



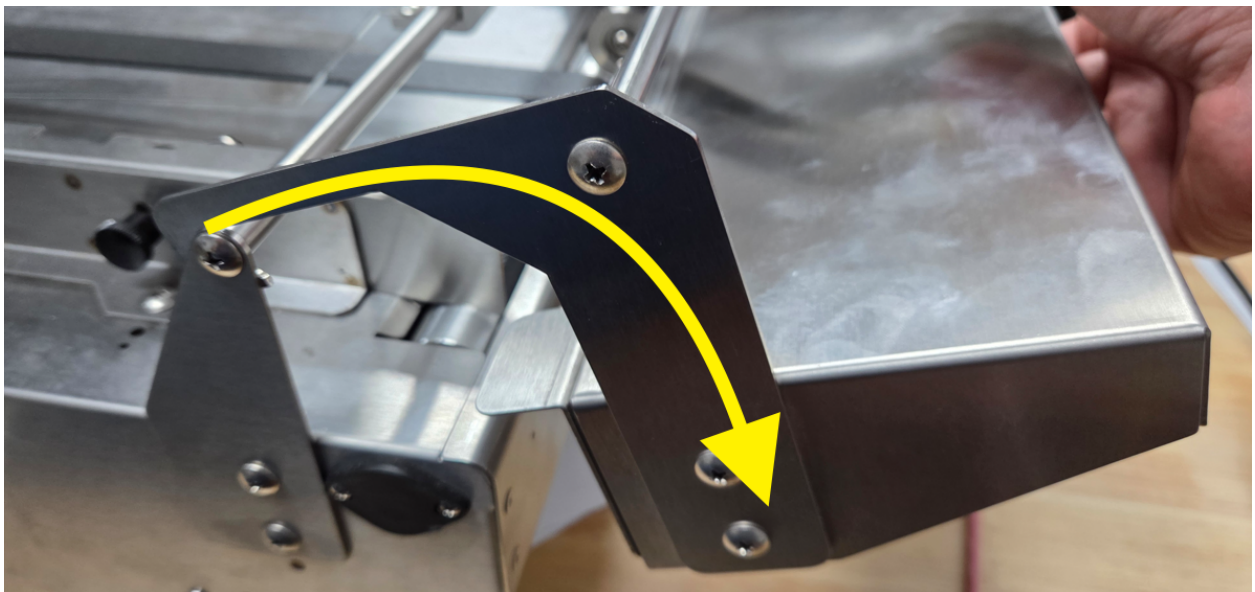
Route sensor wire under the registration table and secure it using cable holders.



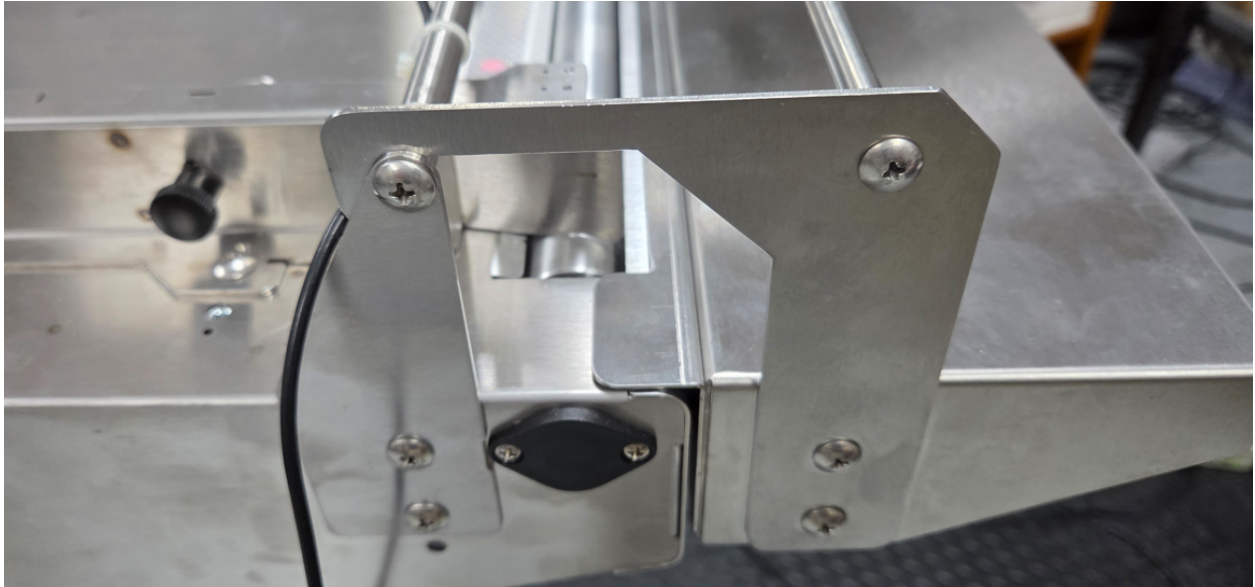
Connect sensor wire to a 14-pin interface connector.



In-feed Plate 53-118-01



Hook the plate inside rod on both ends. Let the plate fall in place. Plate will secure itself with built in magnets.



Interfacing external equipment

	Port	Sense
	Port 1 p(1-2)	NO
	Port 1 p(3-4)	NO
	Port 2 p(1-2)	NO
	Port 2 p(3-4)	NO

Port2 p(1-2) —

Port2 p(3-4) —

Exit Enabled: ☒

Exit Start Delay (in):

Exit End Delay (in):

Exit Pulse Period (ms):

Exit Pulse Width (ms):

Pause Enabled: ☒

Pause Debounce (ms):

Pause Auto Restart: ☒

Port 1

Port 2

Variables to control include:

Port 2 (p-3-4) is an input configurable NO/NC

- exit_control_enabled - Flag to enable/disable available in both inline and normal modes.
- exit_start_delay_in - start delay in inches from the first TOF (top of form) in a job to when the output is enabled 0-255 inches.
- exit_pulse_period - period for pulse generation when active. Value "0" means continuous.
- exit_pulse_width - width of pulse when pulse mode is active. In milliseconds. pulse <700ms
- exit_end_delay_in - number of inches to run beyond last EOF (end of form) reaching output conveyor. Set it up to make sure last printed page exits printer before output unit stops.

Variables to control include:

- ext_pause_enabled: Flag to enable/disable, available in both inline and normal modes.
- ext_pause_debounce period that signal needs to be active to trigger a pause. 0-3000 ms
- ext_pause_auto_restart: flag showing pause is cleared when signal becomes inactive.

If you are using CD-900 conveyor/stacker, Voltage input is required in addition to close contact signal input on Port 2 (pins 3-4)

Next Steps

To learn more about the new Infeed Sensor Kit for inline mode, contact your Astro representative for configuration guidance, pricing, and installation recommendations.