

Tray 3 – Paper Handling Module

Tray 3 Air Assist

Tray 3 is equipped with an air assist device consisting of two blower motors, a Shutter Motor, one shutter for each blower and a shutter home sensor. One blower provides unheated air to the trail edge of the paper stack while the other provides heated air to the lead edge of the paper stack. When the customer selects either air or heated air the blowers are energized. The shutter motor energizes to open both air duct shutters allowing air to blow onto the Tray 3 paper stack. The Shutter Home Sensor monitors the position of the shutter for the heated air. The Shutter Motor is mounted between the two blowers on the tray three frame. The heater assembly is mounted just below the blower assembly. A heater core is enclosed inside the heater duct which has only one outlet located at the lead edge of the paper stack. When the blower motor is energized the directional rotation of the fan blade draws the heated air toward the front of Tray 3 and forces it onto the paper stack. The heater is monitored by two thermostats mounted to the under side of the heater duct. Overheat Thermostat 1 monitors the temperature of the air and the other is a thermistor in case the heater overheats.

