

Paper Transportation – IOT Module Transports

Alignment Transport Motors & Sensors

The Following Table describes the function of the motor and the sensors used in the operation of the Alignment Transport.

Component	Description
Aligner Motor	Provide Drive to the three Aligner Deskew Rolls. Roll speed of 450 mm/sec
Aligner Path Sensor #1	Detects paper jams at the Entrance of the Alignment Transport. LE of paper signals the control logic to deactuate the nip solenoid in the J-Transport and to turn on the Aligner Nip/Release Motor #1 in the nip direction. TE signals the control logic to turn on the Aligner Nip/Release Motor #1 in the release direction.
Aligner Path Sensor #2	Detects paper jams in the middle of the Alignment Transport. LE of paper signals the control logic to turn on the Aligner Nip/Release Motor #2 in the nip direction. TE signals the control logic to turn on the Aligner Nip/Release Motor #2 in the release direction.
Aligner Path Sensor #3	Monitors paper exiting the Alignment Transport . LE of paper signals the control logic to turn on the Aligner Nip/Release Motor #3 in the nip direction.
Registration In Sensor	LE of paper signals the control logic to turn on the Aligner Nip/Release Motor #3 in the release direction.
Aligner Nip/Release Motors (3)	Provide mechanical drive to the Deskew Idler Roll Nip Camming Mechanisms.
Aligner Nip/Release Home Sensors (3)	Monitors the position of the Deskew Idler Roll and inform the control logic when to stop the Aligner Nip/Release Motors.