

J-Transports - Paper Handling Module

J-Transport Nip Release Rollers

Due to the differences in speed between the transports and changes in speed due to machine control logic, 4 Nip Release Rollers and Solenoids are used in the J-Transport. The release solenoids open the roller nip by lifting the idler roll away from the drive roll. This is done when the trail edge of the paper clears one transport sensor and the lead edge of the paper is entering the roller nip in the next transport. The control logic monitors the paper path sensors and provides the signal to trigger the Nip Release Solenoids. This is done to prevent buckling and to insure a smooth transition between transports.

NOTE: The control logic monitors paper length and disables the nip release function if the paper is shorter then the distance between the rollers.

Location of Nip Release Solenoids in Upper J-Transport

