

Pop-Up Infeed Device



Systec's Pop-Up Infeed Device (PID) is an integral part of the conveyor line. Typically, it is used at the end of a conveyor line for transfer of a load off the line, onto a perpendicular conveyor line, or simply off the line onto a pallet, cart, or some other transport method. Systec's Sheet Gripping Device (SGD) can be used at the end of the PID for transferring loads onto deck, or bottom dunnage sheets. The over stroke capabilities of this device ensure the load will not only be transferred fully off the conveyor line but a full 9 inches beyond the end of the line.

The features of Systec's PID are the safety features built into this device. Unlike other "in-line" transfer devices that leave a large opening in the conveyor line when the devices head is in operation, Systec's PID leaves only a 2" gap. This prevents someone from stepping into the device while in operation, which could result in serious accident and injury. The side cover guards on the PID protect personnel from the moving parts, yet allow maintenance personnel easy viewing of the internal components while doing routine maintenance checks of the conveyors and devices.

The PID can be used in Powered Accumulating Roller conveyor (PAR), Powered Roller Only conveyor (PRO), or in Gravity Roller Conveyor (GRC) applications. Based on load sizes, the device will accommodate small and medium size loads in the 72" downstream zone size, or large loads with the 96" downstream zone size device.

The PID is an all-welded, steel frame construction, using precision laser cut parts for exact fit and function. This is a very low maintenance device applying the most advanced safety designs and features.



OVERALL CONSTRUCTION

Systec's PID features all - welded steel frame construction. Heavy gauge steels and precision cut laser parts ensure tighter tolerances resulting in longer life of components and the overall device.



HEAD DESIGN

Systec's PID features a quick transition slider mechanism for the head to pop-up and transfer loads. This allows for rollers to be placed between the box frame construction, eliminating open gaps while in operation.



DRIVE ASSEMBLY

Systec's PID drive assembly is equipped with a common shaft, and dual drive chains. This assures even movement and pressure on the load being transferred.

SPECIFICATIONS

Between Frame Dimensions	48", 60", 72", 84", 96"
Lengths	10' (72" stroke), 12' (96" stroke)
Top-of-Roller Height	12" T.O.R. Standard (heights overs, 12" available)
Drive Capacity	3,500 lb/unit
Head Speed	45 FPM
Head Drive	1.5 HP Flange Mounted Hollow Bore

CONSTRUCTION

Frame	All-welded steel construction
Head and Drive Mechanism	Heavy gauge steel plate slider arms and head construction, with precision machined parts
Chain Drive	Dual #60 Chain

SAFETY FEATURES

Frame	Guarding on all moving parts
Head	Box frame construction eliminates open gap when head is in operation

CONTROL OPTIONS

Automatic	Positioning controls with electro-mechanical sensor Actuation Collision Safety Priority Entry
Manual	Pushbutton operation

