

ROLL HANDLING CONVEYOR: UPENDER



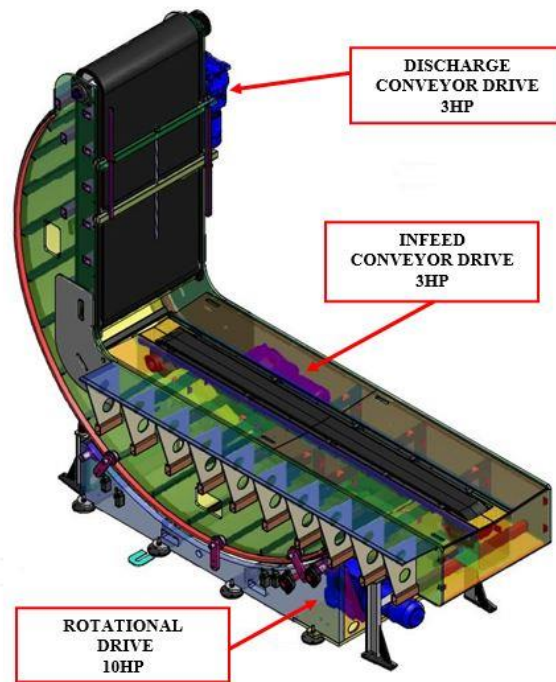
DESCRIPTION

- The Roll Handling Upender is designed to accommodate rolls up to 58" (147.32 cm) Dia x 115" (292.1 cm) Long and has a maximum load rating of 7,000 lbs (3175 kg).
- The Upender receives rolls in the horizontal position. A pneumatically operated roll catcher cushions the roll as it comes onto heavy-duty 8" (20.32 cm) POM modular V-shaped chainr. The load is then rotated into the vertical position and transferred onto adjacent conveyor using 35.5" (90.17 cm) modular POM chain.
- Upender rotation is accomplished using a 10 HP reversing gear motor driving double-80 roller chain.

FEATURES

- Rugged box frame is precision CNC cut and formed using 1/4" (6.35 mm) and 3/8" (9.53 mm) steel. Heavy-duty base and rotation frame use 2" (5 cm) plate.
- Utilizes heavy-duty POM thermoplastic chain material as used in the automotive industry driven by a 3 HP gear motor.
- Maximum capacity: 7,000 lbs (3175 kg) using a 10 HP gear motor. (Call Factory for specific information)
- Can be installed fully automated or manually operated from the user console.
- Peripheral equipment can be designed and supplied by ACS specific to application requirements.

ROLL HANDLING CONVEYOR: UPENDER



SPECIFICATIONS

Capacity:
Roll Size: Up to 58" (147.32 cm) Diameter, 115" (292.1 cm) Overall Length
Weight: 7,000 lbs. (3175 kg) using 10 HP motor – Call Factory for specific information.

Chain Material:
Infeed Section: Heavy-duty 8" (20.32 cm) V-Shaped POM-D material.
Outfeed Section: Heavy-duty 35.5" (90.17 cm) POM-NL material.

Motors:
Upender Conveyor: 3 HP Right angle gear motor. 230 / 460 VAC.
Upender Rotation: 10 HP Right angle gear motor. 230 / 460 VAC.

Standard Cycle Time: 32 seconds based on:
Roll Catch: 8 seconds *
Infeed Roll Travel: 1 ft. / 30.7 FPM (30 cm / 9.36MPM) – 4 seconds *
Rotation: 9.2 ft. / x 55.3 FPM x 2 (Up & Down Motion) – 20 seconds *
(2.8 m / x 16.8 MPM x 2 Up & Down Motion)
*** Note: Represents approximate timing. Actual timing is dependent on variable frequency drive settings established during final setup.**

Construction: Rugged box frame is precision CNC cut and formed using 1/4" (6.35 mm) and 3/8" (9.53 mm) steel. Heavy-duty base uses 2" (5 cm) plate.

Control Options:
Manual: Operator control console with reversing controls using pushbutton actuation.
Automatic: Positioning controls with photo-eyes and control software utilizing programmable logic controllers to facilitate fully automatic operation. 24VDC controls available.