

PROSORT 400 ELITE SERIES

SYSTEMS • SOLUTIONS • SERVICE

Hytrol's ProSort 400 Family of sorters is specifically designed to handle high-speed applications where product diverting needs to be both positive and gentle. The ProSort 421 is designed to sort products at a 22 degree angle where higher speeds are required and close divert centers are not so critical, speeds of 700 FPM are possible. The ProSort 431 is designed to sort products at a 30 degree angle where close divert centers are required and speeds of 350 FPM are possible. The ProSort Elite series is solely offered as single-sided, diverting positively from left or right-hand sides.

HIGHLIGHTS

- High-sort rates
- 2 Optional divert switches
- ProLogix® & Prologix Plus controls
- Plug-N-Go® wiring
- Minimum gap anodized aluminum slot
- Wrap-around shoe design
- Sealed lubricated carrying chain
- Continuous polyurethane bearing track
- High-efficiency gearmotor
- Integrated induction conveyor
- Capable of 700 FPM

FEATURES & BENEFITS

DIVERT SWITCH

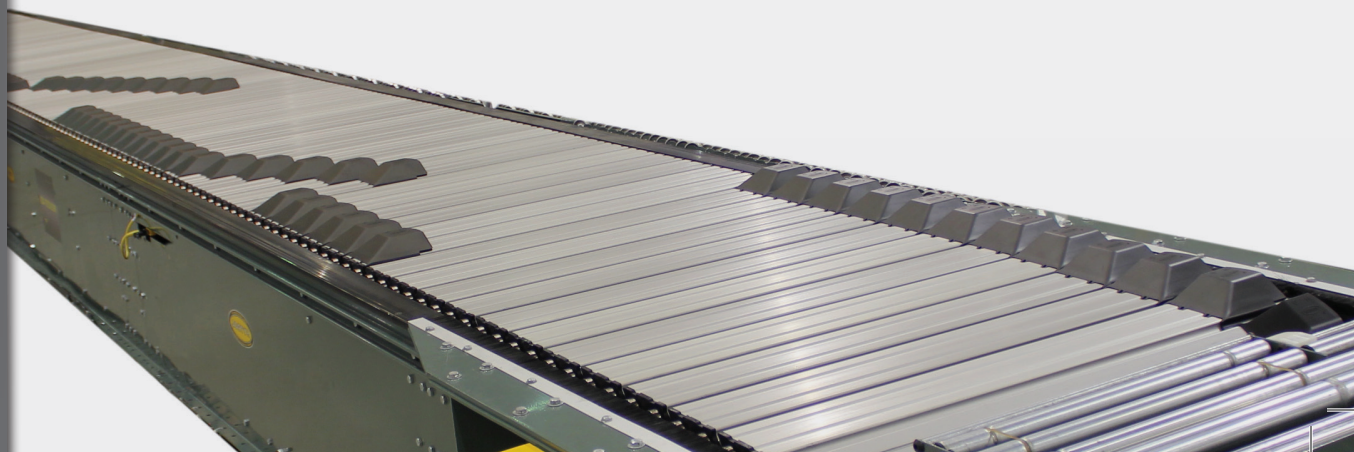
Optional divert angles 22° and 30°

- 2 high-speed divert switches
 - Pneumatic, using RPT technology
 - Electric, using Servo technology
- Rubber isolators for quietness and easily removable for maintenance
- Quick change design for both options which minimizes sorter down time

PROLOGIX® CONTROLS

- PLC based controls package that controls the ProSort 400 Elite series from induction point, through divert confirmation, including sorter diagnostics
- Plug-N-Go® wiring for simple, quick, trouble-free installation
- Out of shoe position detection
- With purchase of controls package the Elite series receives a 3 year warranty

EXPERIENCE THE ADVANTAGE.



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FLIGHT ASSEMBLY

- Anodized aluminum slat design
 - Provides product support and full coverage
 - Minimal gaps
- Divert Shoes
 - Low-friction molded shoe with high-friction pusher face
 - Steel guide pin for switching
 - Ball bearing cam follower for diverting
 - Wrap-around design
 - Jam resistant shoe design for tight spacing resulting in increased carton rate
 - Designed for ease of replacement
- Carrying Chain
 - No. 100 pre-lubricated o-ring roller chain equipped with precision bearings and extended pins
 - Run on a continuous polyurethane bearing track for low horsepower requirements, high speed and long life

DRIVE

Shaft mounted gearmotor, mounted at discharge end on the opposite side from diverts

- High-efficiency gearmotor
- 230/460V-3Ph. 60Hz
- Keyless design
- Variable Speed Controller (VFD), which helps with flexibility to meet current demand
- Capable of lengths up to 700 ft.

INTEGRATED INDUCTION CONVEYOR

Belt conveyor slave driven from sorter at same speed as sorter

- Consistency in feeding sorter
- Accurate product induction

For systems requiring dual-sided sorting, we offer our ProSort 422 & ProSort 432.



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