

# PROSORT 100 ELITE SERIES

SYSTEMS • SOLUTIONS • SERVICE

Hytrol's ProSort 100 family of sorters is specifically designed for high speed diverting applications such as e-commerce and parcel operations. The ProSort 100 Elite diverts handle a variety of small items ranging from envelope flats and poly bags to fragile and ultra-light products. The ProSort 121 is designed to sort products at a 22° angle where higher speeds are required and close divert centers are not so critical. Speeds of 400 FPM are possible. The ProSort 131 is designed to sort products at a 30° angle where close divert centers are required and speeds of 350 FPM are possible. The ProSort 100 Elite series is offered with dual-sided diverts at a 30° angle, diverting positively from left- or right-hand sides.

## HIGHLIGHTS

- High sort rates
- High strength anodized aluminum slat
- Continuous polyurethane bearing track
- Pneumatic divert switch
- Minimum package length of 4.5 in.
- Integrated induction conveyor
- Capable of 400 FPM
- Sealed lubricated carrying chain
- ProLogix® & ProLogix Plus Controls
- Plug-N-Go® wiring
- High efficiency gearmotor
- Maximum unit load of 50 lbs.

## FEATURES & BENEFITS

### DIVERT SWITCH

Optional divert angles 22° and 30°

- High speed divert switch
  - Pneumatic, using RPT technology for valve repeatability
- Rubber isolators for quiet operation and ease of maintenance
- Quick change design for both divert angles which minimizes sorter down time

EXPERIENCE THE ADVANTAGE.



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## PROLOGIX® CONTROLS

- PLC-based controls package that controls the ProSort 100 Elite series from induction point through divert confirmation including sorter diagnostics
- Plug-N-Go® wiring for quick and easy installation
- Out of shoe position detection

## FLIGHT ASSEMBLY

- Anodized aluminum slat design
  - Provides product support and full coverage
- Divert Shoes
  - Low friction molded shoe with high friction pusher face
  - Shoes on 3" centers for small product
  - Steel guide pin for switching
  - Ball bearing cam follower for diverting
  - Designed for ease of replacement
- Carrying Chain
  - No. 60 pre-lubricated o-ring roller chain equipped with precision bearings and extended pins
  - Runs on a continuous polyurethane bearing track for low horsepower requirements, high speed and long life
- Powered Transitions
  - Continuous drive for small product

## DRIVE

Shaft-mounted gearmotor set at the discharge end on the opposite side of 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 200 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 132



[www.hytrol.com](http://www.hytrol.com)