**PROSORT 422 & 432 ELITE**

**High Speed Sortation Conveyor**

- 5 Widths Available
- Dual, Right or Left Hand Diverts Available
- High Sort Rates
- Anodized Aluminum Slats
- Adjustable MHS-Type Floor Supports Available

The ProSort 422 is designed to sort products at a 22 degree angle where higher speeds are required and close divert centers are not so critical. The ProSort 432 is designed to sort products at a 30 degree angle where close divert centers are required. Products are transported on anodized aluminum slats where at a predetermined location, divert shoes move diagonally across the conveyor to push the product onto a take-away line. The ProSort 400 family of sorters are designed for high speed applications where product diverting needs to be both positive and gentle.

*Note: Spur location is measure beyond the end of the section on both the 22 degree and the 30 degree diverts.*
**STANDARD SPECIFICATIONS**

**PROSORT 422 & 432 ELITE**

**INTERMEDIATE & TAIL BED** — 21 in. deep x 1 1/2 x 1/8 in flange 10 ga. formed steel channel frame, powder painted.

**DRIVE/CATENARY BED** — 38 in. deep x 4 ga. formed steel channel frame, powder painted.

**CARRYING CHAIN** — Dual strands of No. 100 pre-lubricated o-ring roller chain with precision bearings and extended pins.

**CHAIN LUBRICATOR** — Installed at infed end to lubricate carrying chains. Gravity feed with 24 volt DC on/off switch. Flow control valves to control the amount of oil allowed to flow to each of the brush applicators.

**FLIGHTS** — Anodized aluminum slat supported at each end by bushings and extended chain pins.

**FLIGHT TUBES and supports**.

**Specify elevation.** Vibration pads between channel knee braces. Holes in feet for lagging to floor.

**FLOOR SUPPORTS** — Adjustable MHS type w/ knee braces. Holes in feet for lagging to floor. Specify elevation. Vibration pads between channel and supports.

**PROSORT LOGIX CONTROL PACKAGE** — Provides complete controls for proper sorter operation. Consult factory for details.

**FLIGHT TUBES** — 1 1/2 in. dia. plated tubing supported at each end by bushings and extended chain pins on 2 1/2 in. centers.

**DRIVE PULLEY** — 8 in. dia. with 1 1/8 in. dia. shaft at bearings.

**AIR PRESSURE SWITCH** — Install in main air line near the last divert switch. Used to detect low air pressure and turn off drive only for pneumatic.

**SMART PROXIMITY SWITCHES** — 24 volt DC inductive proximity switch. One at each divert. Requires maintained electrical signal for duration of each divert.

**SAFETY SWITCHES** — Switches located at infed and discharge ends to detect stray divert shoes or internal jams. Additional switch supplied at 30 ft. intervals. Intermits power to drive motor when these conditions are detected.

**DRIVE** — Shaft mounted gearmotor. Mounted at discharge end on the opposite side from the diverts. 230/460V-3Ph. 60Hz.

**VARIABLE SPEED CONTROLLER** — Provides smooth acceleration of drive motor and speed variations if necessary.

**CONVEYING SPEED** — Up to 600 FPM on ProSort 422. Up to 350 FPM on ProSort 432.

**PACKAGE SIZE** — Minimum 9 in. long x 4 in. wide.

**CAPACITY** — Maximum load 50 lbs. per ft. Maximum product weight is 100 lbs.

**INDUCTION CONVEYOR** — Belt conveyor slave driven from sorter at same speed as sorter.

**FLOOR SUPPORTS** — Not supplied as standard. See optional equipment.

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**STANDARD SPECIFICATIONS - INDUCTION CONVEYOR**

**BELT** — Black, high-grip, longitudinal groove with high speed lacing, belt width is 6 in. less than overall width.

**BED** — 12 ga. Galvanized slider pan mounted in 6 1/2 in x 12 ga. Painted formed steel channel frame.

**DRIVE** — Slave driven at same speed as sorter via timing belt and bolted directly to infeed of sorter. Access holes designed into side plate for ease of pulley removal.

**DRIVE PULLEY** — 8 in. dia. with 1 1/8 in. dia. shaft at bearings.

**TAKE-UP PULLEY** — 6 in. dia. with 1 3/4 in. dia. shaft at bearings-Machine crowned.

**TAIL PULLEY** — 2 3/4 in. dia. - Machine crowned and easily removable.

**TAKE-UP** — Take-ups in drive provide 16 in. of belt take-up.

**BEARINGS** — Sealed, pre-lubricated, self-aligning, ball bearings on drive.

**FLOOR SUPPORTS** — Not supplied as standard. See optional equipment.

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All weights in catalog are conveyor weights only. Accessories, crating, etc., are not included.

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**OPTIONAL EQUIPMENT**

**FLOOR SUPPORTS** — Adjustable MHS type w/ knee braces. Holes in feet for lagging to floor. Specify elevation. Vibration pads between channel and supports.

**PROSORT LOGIX CONTROL PACKAGE** — Provides complete controls for proper sorter operation. Consult factory for details.

**FLIGHT TUBES** — 1 1/2 in. dia. plated tubing supported at each end by bushings and extended chain pins on 2 1/2 in. centers.

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**GEARMOTOR WEIGHT**

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