

# MODEL "SBS"

## Medium Duty High Speed Split Belt Sorter Conveyor

- Conveys & diverts packages with min. size of 8" long x 6" wide
- Divert packages at right angle up to (50) per minute
- Divert packages at 30 degrees up to (80) per minute
- (4) to (8) split belts, depending on product size
- UHMW belt tracks for positive belt tracking
- Flange mounted gear motor for ease of maintenance & efficiency
- Automatic pneumatic belt take-up
- Handles packages up to 75 lbs
- Belt speed up to 300 FPM
- 60 PSI air requirement



### STANDARD SPECIFICATIONS:

**Beds** - 15", 18", 21", 24" and 27" wide between rails, 7" deep x 1 1/2" x 12 ga. powder painted, formed steel channel frame, bolted together with butt couplings and floor supports.

**Belts** - APH150 HTS x 15/16" wide.

**Drive** - End Drive with 8" dia. drive pulley.

**Filter Regulator** - mounted (60 psi air required).

**Capacity** - Conveys product weighing up to 75 lbs. depending on product type and conveyor speed.

**Floor Supports** - 31 1/2" to 45 1/2" adjustable from floor to top of roller. One support provided for each end of conveyor and at each bed joint. Other elevations are available.

**Conveyor Speed** - Standard conveyor speed range is up to 300 FPM.

### OPTIONAL EQUIPMENT:

#### Right Angle Transfer:

- 90 degree roller transfer.
- 18" BF rollers with 1/8" thick orange plastisol covering.
- Rollers to raise & lower by supplied air cylinder.
- 4-way single solenoid.
- 1/2 HP 230/460/3/60 gearmotor.

### OPTIONAL EQUIPMENT (cont'd):

- Transfer speed: 300 FPM.
- Drive can be reversed to enable bi-directional transfer.
- Max rate: (50) cpm in one direction.

#### Wheel Diverters:

- 30 degree divert.
- 1.5" O.D. wheels raise & lower by supplied air cylinder.
- 60 psi air required.
- 4-way single solenoid supplied.
- "Diverter" to be powered by main SBS conveyor drive.
- Diverts in one-direction only: "Left Hand" or "Right Hand".
- Multiple diverters can be used in the SBS and each diverter can be designated for either "Left Hand" or "Right Hand" operation.
- Max rate: (80) cpm.

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MODEL SBS - WEIGHTS						
<b>Bed Width</b>	15"	18"	21"	24"	27"	30"
<b>Overall Width</b>	18"	21"	24"	27"	30"	33"
<b>10'0" OAL</b>	547	600	655	710	765	820
<b>Per Foot</b>	28	33	37	41	45	49
<b>90° Divert</b>	203	219	235	250	266	282
<b>30° Divert</b>	146	161	176	191	206	221

## Load Capacity Chart

300 FPM

Total Distributed Live Load (Max Length is 150')			
BF	OAW	Belts	Live Load
15"	18"	4	1200 lbs.
18"	21"	5	1500 lbs.
21"	24"	6	1800 lbs.
24"	27"	7	2100 lbs.
27"	30"	8	2400 lbs.

