



Innovation

Santa Rosa Systems is providing innovative solutions to the material handling industry through all segments of our business.

- **Quality**
At SRS Quality is not a job, but a culture, which is based on efficiency, accountability and the understanding that the customer comes first
- **Engineering**
Our engineering capabilities set us apart. With over 150 years of combined experience in material handling, our knowledge extends beyond the machine design into the applications and operations of our customers. If our standard equipment doesn't meet your needs, SRS can custom-design a solution to meet your specific application requirements.
- **Manufacturing**
SRS equipment is designed and manufactured to handle the most severe unit-handling applications. Our heavy duty design and construction produces the most reliable equipment in the industry.
- **After Sales & Service**
The SRS After Sales & Service team is comprised of knowledgeable professionals who are available 24/7 to support your operation. Our technicians are cross-trained in SRS manufacturing operations in order to gain an intimate working knowledge of the equipment. SRS technicians are available to travel to your facility should any unexpected issues arise.

High-Speed Swing-Arm Diverter

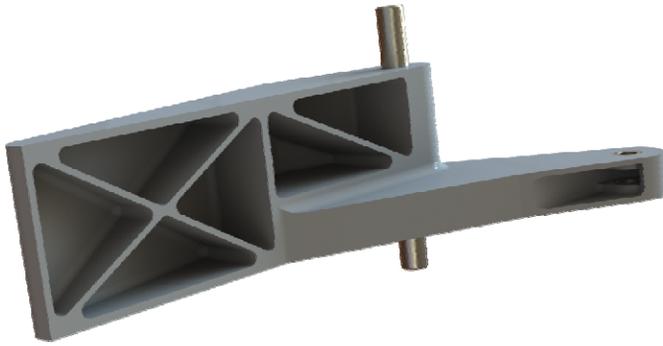


Features & Benefits

- **Low-Impact Handling**
Packages are justified along the edge of the conveyor which is located on the same side as the diverter. To sort items, the diverter arm sweeps across the belt displacing the packages to the opposite side of the conveyor. This low-impact sweeping motion is achieved through controlled acceleration of the all-composite swing-arm. The motion profile is set using a high-performance variable frequency drive with *dynamic braking*.
- **Simplicity**
The SRS diverter works with conventional fabric conveyor belts. The simple, robust mechanism is completely assembled at the SRS factory and the entire module installs easily with (4) 5/8" bolts. The SRS-supplied motor controls are pre-wired and pre-programmed and provided in a small, self-contained enclosure (24" x 22" x 8"). The divert cycle is activated by a discrete signal from the owner's PLC system.
- **Reliability**
The SRS all-composite diverter-arm (patents pending) has *lower inertia* and *higher fatigue resistance*, offering a longer service life than metal or metal-composite diverter arms. The heavy duty crank/linkage design that drives the swing-arm has been proven through years of operation in the industry. Unlike other sortation technologies, each diverter operates independently, so if one diverter is disabled, the entire system can continue to operate.
- **Economy**
At 150 cartons per minute, the SRS high-speed swing-arm diverter is the most economical solution for high-capacity sortation of large parcels.

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All-Composite Diverter Arm (patents pending)

Specifications

- **Sort Rates**

The High-Speed Swing Arm Diverter has a 210ms divert cycle which provides actual sort rates of up to 150 cartons per minute (note: sort rate is based on conveyor speed)

- **All-Composite Diverter Arm**

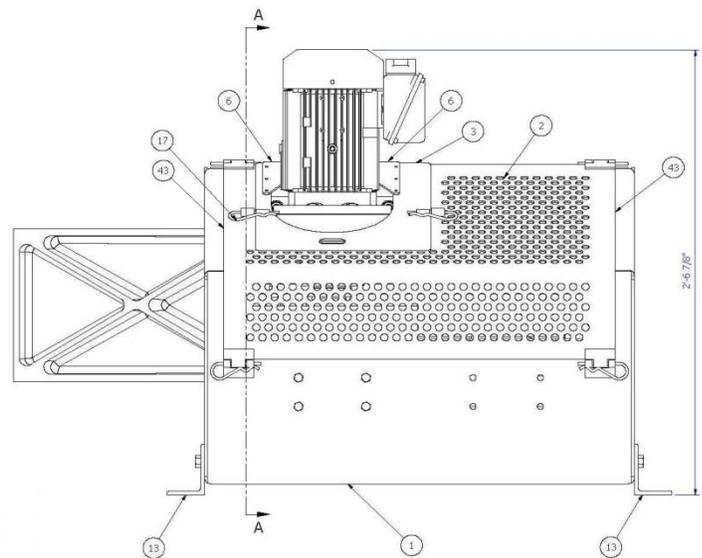
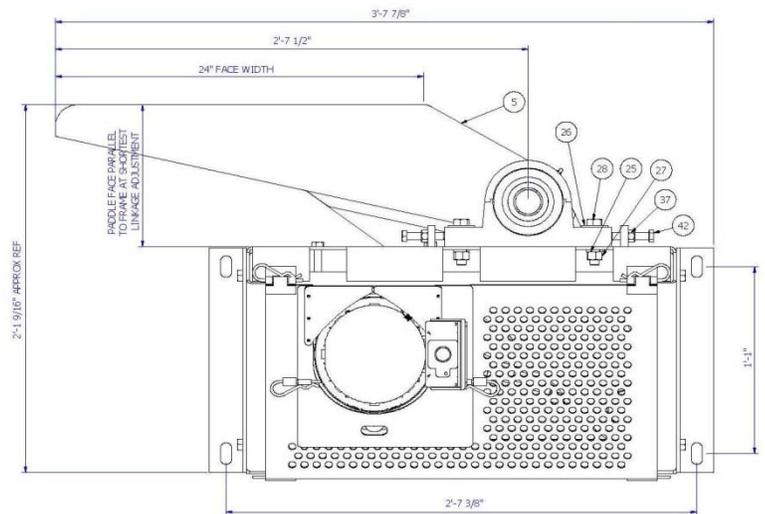
The unique one-piece molded design (patents pending) has a lower inertia which allows the arm to activate at higher speeds. Made with Brandonite® 1000-75D, the lightweight arm has lower impact to packages, higher fatigue resistance and provides longer service life than traditional metal or metal-composite diverter arms.

- **Packages Sizes**

	Min	Max
Width	4 in	36 in
Length	4 in	60 in
Height	¾ in	34 in
Weight	1 lb	100 lbs

- **Controls**

The diverter is driven by a 2 HP integral gear motor. The motion profile is controlled by a high-performance variable frequency drive (VFD) with dynamic braking. Motor controls are pre-wired and pre-programmed and provided in a self-contained 24" x 22" x 8" enclosure. The latching control circuit is activated by a discrete signal from the owner's PLC system.



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