

FORTNA

Data Sheet

FORTNA Shoe Sorter for small packages



Small items, big impact

The FORTNA Shoe Sorter for small packages is a versatile sorting solution that stands out from other systems due to its high exit density, large capacity, low noise levels, and highly durable design. As a result, this shoe sorter is capable of sorting even the smallest and lightest items in the rugged environment.



Minimized noise

The noise-absorbing materials and closed deck of the shoe sorter make it extremely quiet, contributing to a more pleasant working environment.



Modular design

Modular design, customer-specific configurations with standard components.



Reliable and gentle product sorting

Thin profile transition belt for smooth handover of small parcels to the sorter deck. The smalls overflow conveyor belt can handle the full parcel spectrum. The sorter allows high density of exits for efficient operations.



Safe and effective

A patented fully closed deck that prevents dust from entering the sorter while preventing parcels and polybags from getting stuck between the slats. Advanced sliding shoe design in combination with rounded slat design prevents thin products from getting trapped underneath the shoe.



Fast and easy maintenance

Easy sorter access for maintenance to minimize downtime.



Plug-and-play sorter

The control package creates a plug-and-play sorter. After site assembly, the sorter automatically determines its hardware configurations to direct diverter switches and auto-calibrates. Interfacing is based on TCP/IP messages.

Configuration and performance

The FORTNA Shoe Sorter for small packages offers limitless configuration options thanks to its highly modular design.

Its narrow slats, combined with the ability to integrate high-density chutes with standard

chutes at various points, provide tremendous flexibility. This allows for efficient utilization of the sorter's entire length and enables innovative system designs.

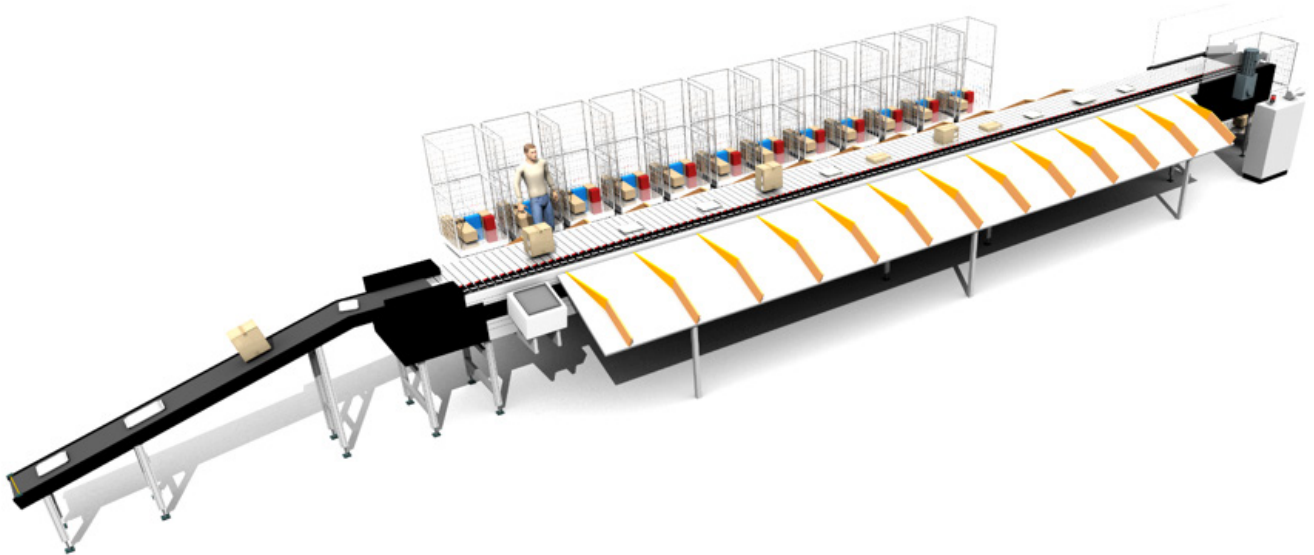
Technical Data		
	metric	imperial
Max. transport speed	2.0 m/s	400 ft/min
Sorter exit pitch	645 / 753 / 895mm	25.4 / 29.6 / 35.2 inch
Sorting angle 35°	at 645 mm pitch	at 25.4 inch pitch
Sorting angle 30°	at 753 mm pitch	at 29.6 inch pitch
Sorting angle 25°	at 895 mm pitch	at 35.2 inch pitch
Divert switch	electric	electric
Power	SEW 400 VAC or 480 VAC electric	SEW 400 VAC or 480 VAC electric
Transport width	400mm	16 inch
Transport length	12 - 150 m	40 - 500 ft
Maximum Sorter Deck	50 kg/m	33 lb/in
Safety	CE standards	
Environment	0 - 45 °C	32 - 113 °F
Sliding shoe type	Double-sided	Double-sided
Parcel dimensions min.	100 x 50 x 0.5 mm	4 x 2 x 0.02 inch
Parcel weight min.	0.05 kg	0.11 lb
Parcel dimensions max.	400 x 400 x 350 mm	16 x 16 x 13.8 inch
Parcel weight max.	20 kg	44 lb

Maximized System Availability

System availability is maximized through a variety of factors.

Controls

- The patented divert system is fail-safe by design. In the unlikely event of a miss-sort, the system will not be affected.
- The sorter is equipped with an automatic health monitoring system to prevent severe damage. In addition, critical system functions are continuously monitored to ensure a safe and high-performing system at all times.
- The system has built-in features to report specific failures to service engineers. In addition, parts are highly serviceable and can be swapped to minimize downtime.





About FORTNA

FORTNA partners with the world's leading brands to transform omnichannel and parcel distribution operations. Known world-wide for enabling companies to keep pace with digital disruption and growth objectives, we design and deliver solutions, powered by intelligent software, to optimize fast, accurate and cost-effective order fulfillment and last mile delivery. Our people, innovative approach and proprietary algorithms and tools ensure optimal operations design and material and information flow.

Contact us today at www.FORTNA.com