SORT-MAX
PORTABLE MDR SORTER

The ConveyX Solutions, LLC (CXL) Sort-MaX Portable MDR Sorter is a portable sort system designed to handle packages of varying sizes, footprints, profiles and surface characteristics. Products induct into the center infeed lane in a singulated fashion and then travel through a scanning zone where each product is assigned a sortation route based on barcode data on the package. The packages are then sorted left, right, or center on a ball belt transfer conveyor. The Modular MDR Sorter can be "taught" to determine sorting direction based on standard bar codes or can be configured to integrate with a warehouse management system. For enhanced mobility and ease of setup the Modular MDR Sorter has been designed with casters and can be moved into place as a single unit or as modular components.

STANDARD FEATURES

- Designed for simple set up that is also modular and expandable to meet changing operational needs

- Flexible sortation that adapts to manage multiple dock doors to meet daily demand

- Equipped with lights and alarms that are highly visible displaying system status and alarm conditions for worker safety and product handling

- Easily integrates with existing equipment and warehouse management system to simplify start up

- Automates the sortation process with hands free sorting and teachable SKU's

- Simple and easy to use graphical user interface for routine operation and equipment maintenance and management
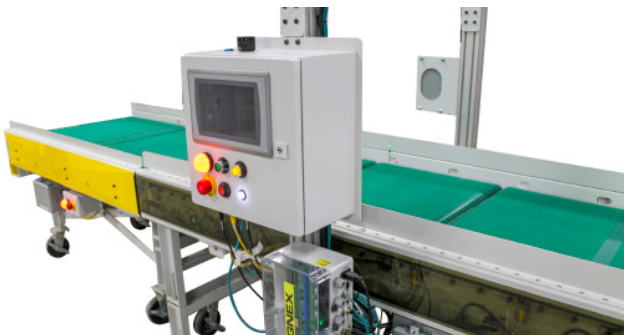
- Handles up to 50 cases per minute

SPECIFICATIONS

GENERAL

Dimensions	19′ 1″ L x 11′ 2″ W x 10′ 6″ H
Speed	Up to 200′ per minute (FPM)
Capacity	50 pounds maximum, 4″ x 6″ minimum, 24″ x 30″ maximum, flat bottom products
Power	Standard 110/120V single power drop per module
Noise Level	75dB at 5′ distance around the machine
Sortation	Modular plastic ball belt
Motor	Motorized drive rollers (MDR)
Rollers	Reference material chart

MATERIALS

Frame	Formed steel channel, bolt together, powder coated
Rollers	Galvanized
Photo Eyes	Retro reflective photo eye sensors
Barcode Scanner	Image scanner system

HMI control panel

Single sided, top barcode scanner