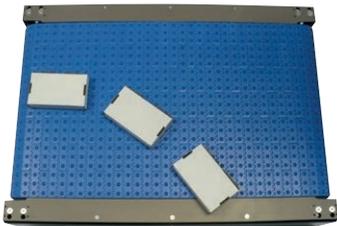




ALL ANGLE TRANSFER AND DIVERT STATION



Sortation sorted!

Conveyor Units have been listening to our customers and we are proudly launching the **CU SORT**.

The versatile scalable transfer and sortation device targeted at e-commerce business requirements.

It uses a unique 4 belt-system of sorting all your small e-commerce products at all angles and in all directions.

FEATURES AND BENEFITS

- Small (just 25mm) ball pitch
– means small packages, jiffy bags, bagged product can be sorted with ease.
- High throughput with 4 belts
– increasing your sort rates.
- Weight of product(s) up to 25kg.
- Truly versatile – being able to divert and merge in products from all angles up to 90 degrees.
- Can be introduced into existing systems.
- All 24V – meaning no pneumatics, easy controls integration and low energy consumption.
- Low noise ensuring user satisfaction.
- Patent pending NonaDRIVE technology – ensures that the modular ball belt moves truly synchronously with the drive for more accurate product positioning / tracking.

Network ready for:



EtherNet/IP
ODVA



CC-Link IE
Field Basic

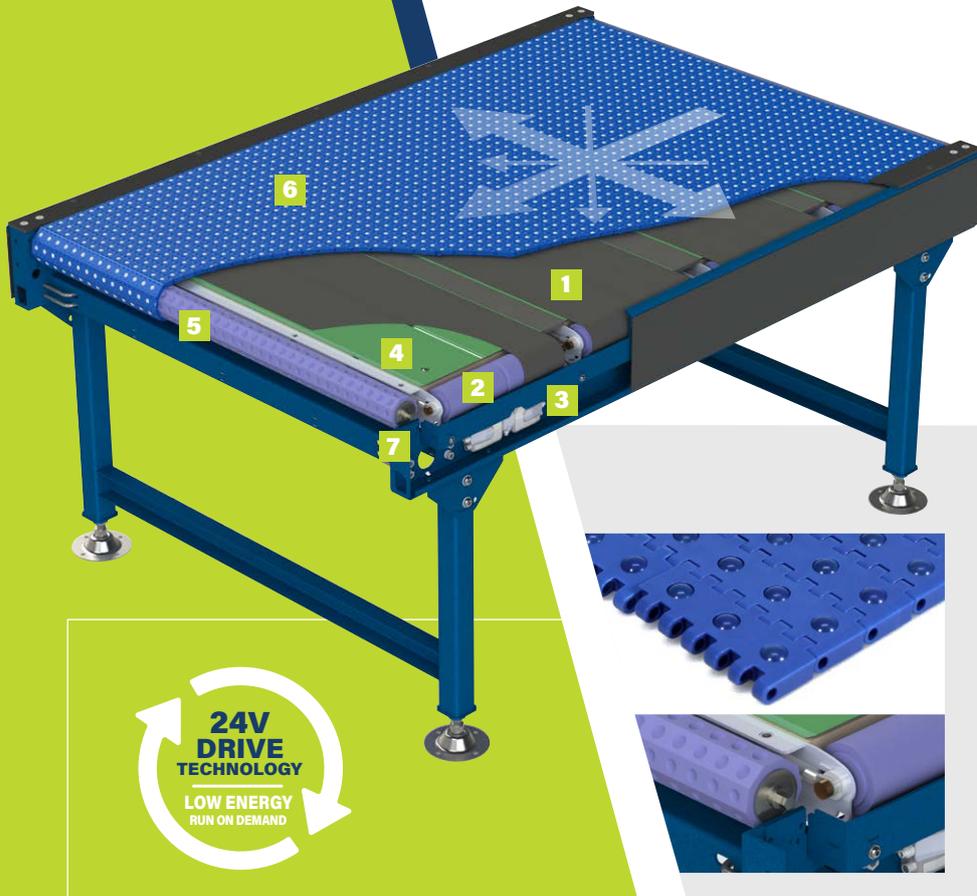


CONVEYOR UNITS

QUALITY • PERFORMANCE • RELIABILITY

CU SORT

ALL ANGLE TRANSFER AND DIVERT STATION



- 1 4 x Divert Belt Conveyors**
Robust dual ply textured cross belt drives sections of balls to move product left or right.
- 2 4 x 24V Divert Belt Drive Rollers**
High transmission rubber lagged roller with tracking groove.
- 3 3 x 24V Network Control Modules**
(Each with 2 x motor ports and 2 x sensor ports).
- 4 Low Friction Bed**
Under each divert belt.
- 5 24V NonaDrive**
Unique nine sided 24V dual-drive ensures positive direct-drive of the modular belt.
- 6 Multi Directional Ball Belt**
Integral freely rotating balls allows product to be directed in any direction. Close ball pitch of 25mm allows small and flexible packages like Jiffy bags as small as 100mm to be transported with ease. Fully integrated ball sockets ensures high tensile strength and resistance to dirt and contaminants.
- 7 Divert Belt Tensioning**
Tensioning is automatically maintained with gas springs.

CU Sort - Transfer and Sortation Unit Specifications

Module Height	200mm (Frame bottom to top of balls)
Frame Construction	12 ga fabricated steel, bolted construction with welded butt couplings
Paint Finish	Electrostatically applied powder coating
Paint Colours	Standard in Blue RAL 5010, custom colors available
Drive Technology	24V MDR (Motorised Drive Roller) from PulseRoller
Modular Ball Belt Drive	Unique 9-sided synchronous NonaDrive
Diverter Belt Drive	Lagged MDR, dual or single motor available
Diverter Belt Tensioning	Automatic, gas spring (no adjustments required)
Diverter Belt Construction	Ultra-flat Baltic Birch with SD-UHMW slider bed with ball chain transition guide, bolt-together, PVC or urethane belting
Controls Networks Supported	Ethernet I/P, Modbus TCP, Profinet I/O, CC-Link IE Field Basic
Supply Voltage	24V DC
Power Supply	600 Watt 24V switched mode, smoothed 10% ripple max
Power Cabling	Power cabling should be sized to ensure 24V ± 10% @ each control module. Control modules can be supplied with either SINGLE or DUAL supplies for emergency stop switching of the motor power only
Diverting Modes	90 degree (stop and divert), or divert-on-the-fly (vector angle)
Side Cover	Bolt-on steel or polycarbonate
Network Cabling	Industry standard CAT5 ethernet cables
90 Degree Divert Sort Rate	Varies with unit size, approx. up to 2,400 cartons per hour (300mm x 300mm)
On-The-Fly Vector Angle Sort Rate	Varies with unit size, approx. up to 5,000 cartons per hour (consult sales for throughput rate calculations)

Network ready for:



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