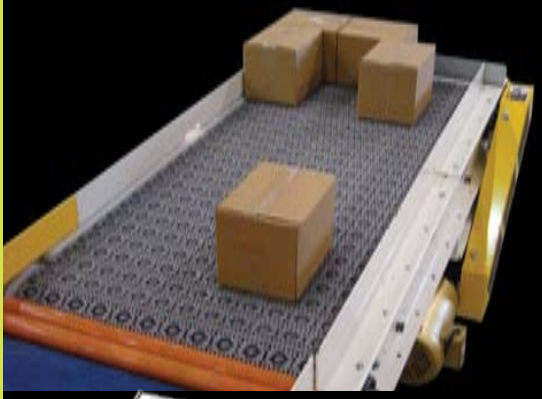
ACTIVATED ROLLER BELT™ (ARB) CONVEYORS

Omni Metalcraft corp.



PALLET LAYER AND ROW FORMING

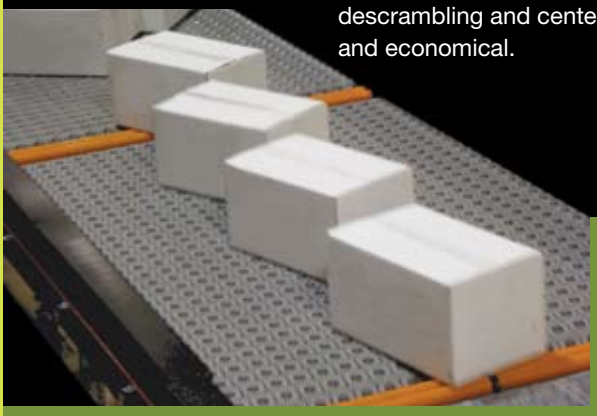
The speed, simplicity, and flexibility of the ARB pallet layer forming system maximizes the case rates achievable with a single robotic palletizing system without limiting the array of case sizes and patterns that robots are capable of handling. This is done by utilizing a combination of ARB switches, aligners, bump turns and accumulation.

SORTATION

Sortation conveyors offer immediate and long term cost savings to production with single or multiple divert lines. This product features low maintenance technology and allows for movement to the left or right without product damage.

SINGULATION

Singulation conveyors eliminate side-by-side packages making descrambling and centering easy and economical.



ALIGNMENT

Alignment conveyors direct packages to one side, against an aligning guide, for infeed to scanners, bar code readers, labelers, sorters and palletizing equipment.

Driven by Boston Gear

Featuring intralox® EQUIPPED patented Activated Roller Belt™ (ARB) Technology

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APPLICATION QUESTIONS FOR ACTIVATED ROLLER BELT™

ALIGNMENT

Minimum/maximum package info
- What is the length, width and height of each package?

Product infeed orientation
- Is package entering conveyor wide side leading (hard way) or narrow side leading (easy way)?

Conveyor belt speed
- What are the infeed & discharge conveyor speeds?

Throughput
- If the package is making an orientation change, additional gap between packages is necessary

MERGE/SINGULATION

Minimum/maximum package info
- What is the length, width and height of each package?

Product infeed orientation
- Is package orientation critical? Product may rotate to narrow edge leading

Conveyor belt speed
- What are the infeed & discharge conveyor speeds?

What is the package throughput?

What is the frequency and quantity of product side-by-sides?

What is the infeed and discharge conveyor information?

SORTATION

Minimum/maximum package info
- What is the length, width and height of each package?

What is the product location across conveyor width?
- Far Side
- Center
- Near Side

What is the belt speed?

What is the package throughput?

Quantity of zones needed

SWITCH

Minimum/maximum package info
- What is the length, width and height of each package?

What is the belt speed?

Quantity/location of infeed lanes

Quantity/location of discharge lanes

What is the package throughput?