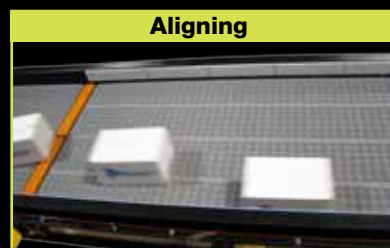


ROBOTIC DEPALLETIZING



- **DESCRAMBLING**
- **SINGULATING**
- **ALIGNING**

PRODUCTS FOR PALLETIZING APPLICATIONS SUPPLIED BY OMNI METALCRAFT CORP.

Transportation	Layer Forming	Empty Pallets	Full Pallets	Depalletizing	Accessories
ARB	ARB	BDLR	BDLR	Descrambler	Controls
Ball Transfer	BDLR	Belt Conveyor	Belt Conveyor		Ceiling Hangers
BDLR	CDLR	CDLR	CDLR		Diversers
Belt Conveyor	Gravity	Chain Conveyor	Chain Conveyor		Legs
Belt Curve	MDR	Destacker	Gravity		Merges
CDLR	Skatewheel	Gravity	MDR		Pullers
Gravity		MDR	Plastic		Pushers
Lineshaft		Scissor Lift	Scissor Lift		Stops
MDR		Turntable	Turntable		Traffic Cops
Plastic		CVC/RVC	CVC/RVC		
CVC/RVC					

FUNCTIONS

- Accumulating
- Aligning
- Diverting
- Gapping
- Merging
- Minimum Pressure Accumulating
- Product Turning
- Singulating
- Skewed Roller Aligning
- Sorting
- Switching
- Zero Pressure Accumulating

WHY OMNI METALCRAFT CORP.?

- Unit handling** is where our focus and experience lies when it comes to conveying
- Territorial sales channels** to assist you in your material handling needs
- Experienced** with product capabilities and integrating them into system applications
- Product and application support** available to you and your customer as needed
- Private labeling** and your standard finish available
- Direct shipping** with your identifying paperwork
- Customizing standard offerings** is a core competency
- Single source supplier** of conveyors and complementary equipment
- Our wide range of product offerings** is unsurpassed
- Stainless steel** is an option for most equipment we sell
- Product training** is available for Omni products
- We do not sell direct** to End Users

OmniMetalcraft Corp.

PRODUCT OFFERINGS FOR ROBOTIC SYSTEM INTEGRATORS



OMNI METALCRAFT CORP. SUPPLIES CONVEYORS AND ACCESSORY EQUIPMENT THAT INTEGRATES WITH YOUR ROBOTIC PALLETIZING SOLUTION



PRODUCT HANDLING



STAGING PICK AND PLACE



PALLET HANDLING

OmniMetalcraft Corp.

P.O. Box 352 ■ Alpena, Michigan 49707
 Phone 989.358.7000
 Fax 989.358.7020
 info@omni.com
 www.omni.com

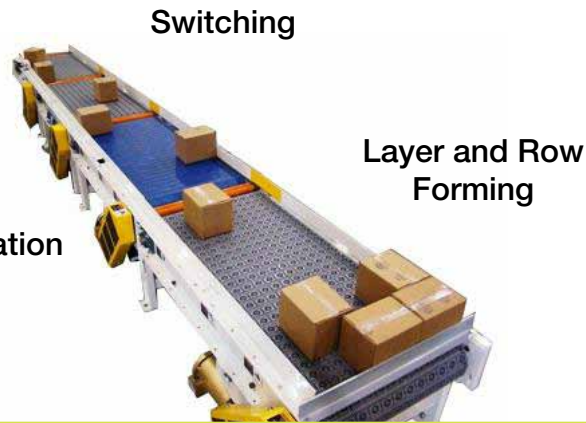
P.O. Box 352 ■ Alpena, Michigan 49707
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 www.omni.com

Why ARB Pallet and Row Forming?

- Orients and aligns packages for application processes
- Consistent justification of multi sized packages
- Economical replacement for slat switches
- Handles fragile or delicate articles, such as glass
- Minimum to low pressure accumulation
- Minimal controls and programming
- Crowds multiple size products without changes
- Applies continuous pressure during crowding

Alignment

Accumulation



Vertical Conveyors (CVC/RVC)



- Elevation change from process to warehouse
- Elevation change with minimum floor space
- Continuous product flow

Belt Driven Live Roller (BDLR)



- Scalloped side frame for robot picking
- Minimum and Zero pressure accumulation
- Rollers being above top of frame allows for maximum wrapping

Belt Conveyor



- Incline and decline capable of elevation change
- Trackmate TM120 EMB belting is standard
- Suited for irregular shape products

Chain Conveyor

- Handles wrong-way loads with irregular bottom surfaces
- Full pallet take away conveyor
- Can be engineered to meet customer specifications



Pallet Stackers & Destackers

- Stack or destack pallets
- Integrates with or without infeed and exit conveyors
- Custom built to customer requirements



Chain Driven Live Roller (CDLR)

- Pallet locating devices for accurate positioning
- Roll to roll chain providing a positive drive
- Ideal for exiting and take away conveying



Zero Pressure CDLR

- Zoned accumulation with integrated logic prewired and/or plumbed
- An application specific version of CDLR conveyor



Rollers

- 1" to 12" outside diameter
- Multiple bearing and axle configurations
- Coatings for most environments



Scissor Lifts

- Hydraulic lift for accurate positioning at infeed and exit conveyors
- 500 to 100,000 pound capacity range
- High cycle packages available



Your robot, tooling and system layout working together with Omni conveyors and accessory equipment provides your customer a complete solution for their robotic palletizing needs.

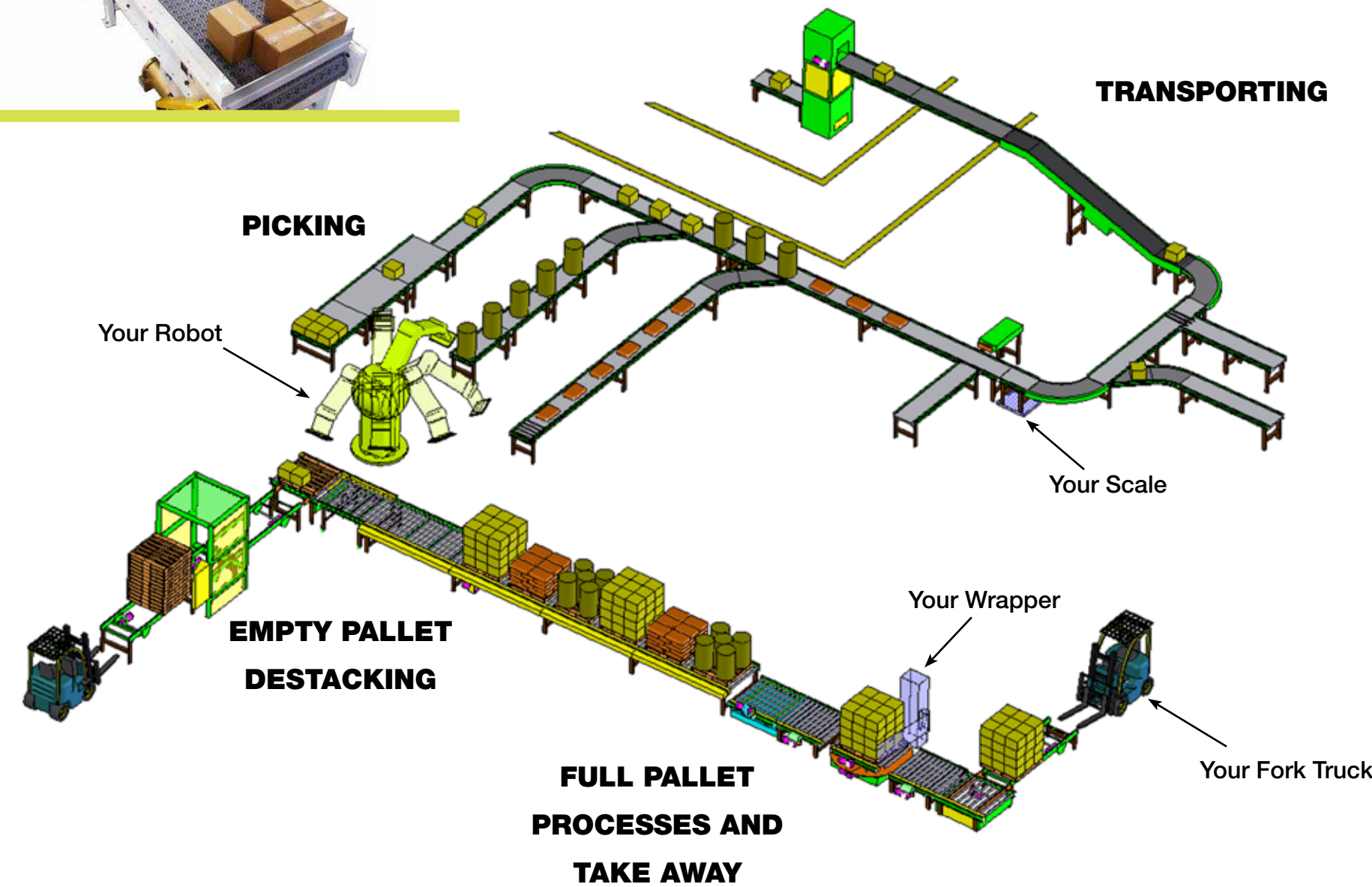
Turntables

- Up to 360° rotation for wrapping of products and pallets
- Manual or powered rotation available
- Integrates easily with mating Omni equipment



Chain Transfers

- Level-lift design for stable lifting of palletized loads
- Outboard pneumatics for easy maintenance
- Through frame transfers for smooth transitioning



Power Belt Curve



- Part orientation around the curve
- Product transfers easily to other equipment
- Chain free guiding extends belt life

Motorized Drive Roller (MDR)



- Zoned controls allow for minimum energy use
- Transportation and process conveying
- Low decibel levels

Lineshaft Conveyor (LS)



- Skewable rollers for product alignment
- Minimum and zero pressure accumulation
- Blade stops, speed-up zones and side guide

Gravity Roller Conveyor



- Ideal for horizontal and gradual decline applications
- Multiple options of frame and roller configurations
- Designed to meet capacity requirements