

▶ USA



Technology becomes simplicity



Getting Your Orders Out the Door Fast



THE HORIZONTAL CAROUSEL ADVANTAGE: MAXIMIZED

Integrating state-of-the-art hardware and software, our latest generation of high performance **DIAMOND™** Horizontal Carousel picking systems is at the heart of advanced order fulfillment applications benefiting a broad spectrum of world-class clients.

Our Horizontal Carousels are crafted with the most durable materials, the highest quality construction, the most reliable components

and state-of-the-art controls. Our systems are backed by one of the strongest warranties in the industry.

- Single frame size allowing multiple bin sizes and faster deliveries
- Dual bin configurations available, 36" to 48"
- "Uniframe" carousels can be double, triple or quad-tiered with no additional modification and limited cost
- Commercially available AC controllers that are highly reliable and fully featured.

Highly efficient direct drives that provide the fastest retrieval speeds in the industry

- State-of-the-art bin design - heavy gauge safety loops at bin front and efficient "fold out" installation
- The highest capacity standard shelves in the industry - 150# standard with optional capacities



Superior Horizontal Carousels



/// STRUCTURAL STEEL FABRICATION

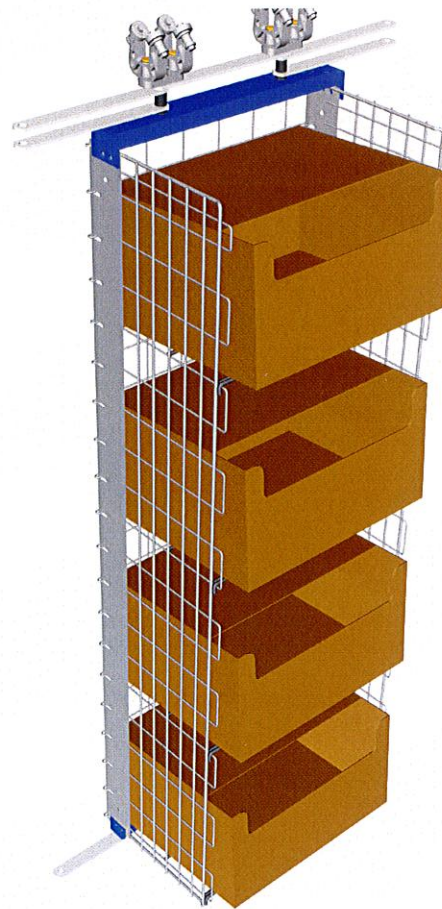
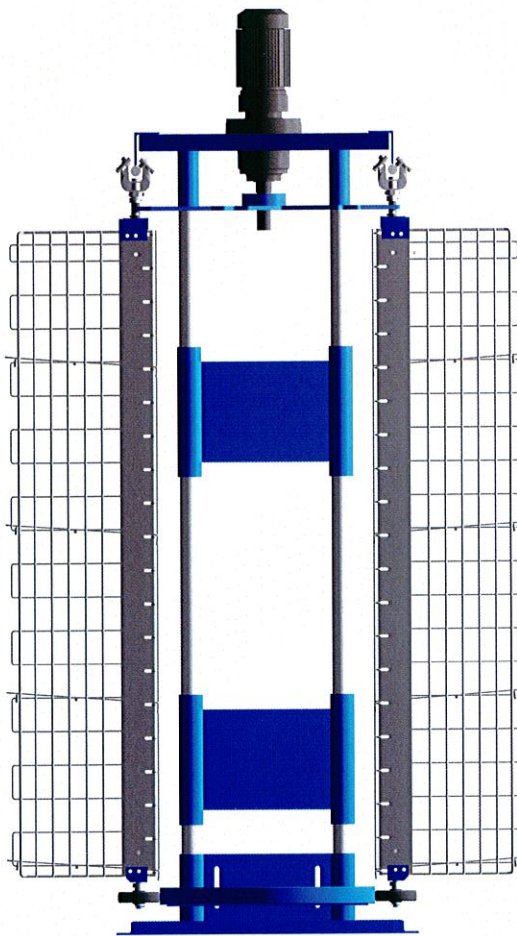
Made with rugged structural steel, **DIAMOND™** Horizontal Carousels are the most durable in the industry, constructed for long-term reliability in even the heaviest applications and most severe duty cycles.

/// FLOOR LOADING

Base plates maintain full contact with the floor. Independently adjustable top and bottom tracks make it easy to level a carousel without grouting or floor shims, even with floor variations of up to 6" or more.

/// DIRECT DRIVE

Motor, reducer and drive sprocket function as a single connected drive unit for maximized efficiency, drive speed and available torque. Inverted drives available for applications with low ceiling height.



Superior rugged construction, modular design and customizable features make our Horizontal Carousels ideal for a complete range of warehousing and manufacturing applications.

/// CUSTOM BIN DESIGNS

Because bins are fabricated in-house, we can make them for many different application-specific designs, including:

- Custom wire-spacing and configurations
- Solid steel construction
- Peg board
- Rack style
- Cantilever shelf
- Hopper and enclosed container
- Angle forward shelves for consolidation
- Dual-face configurations

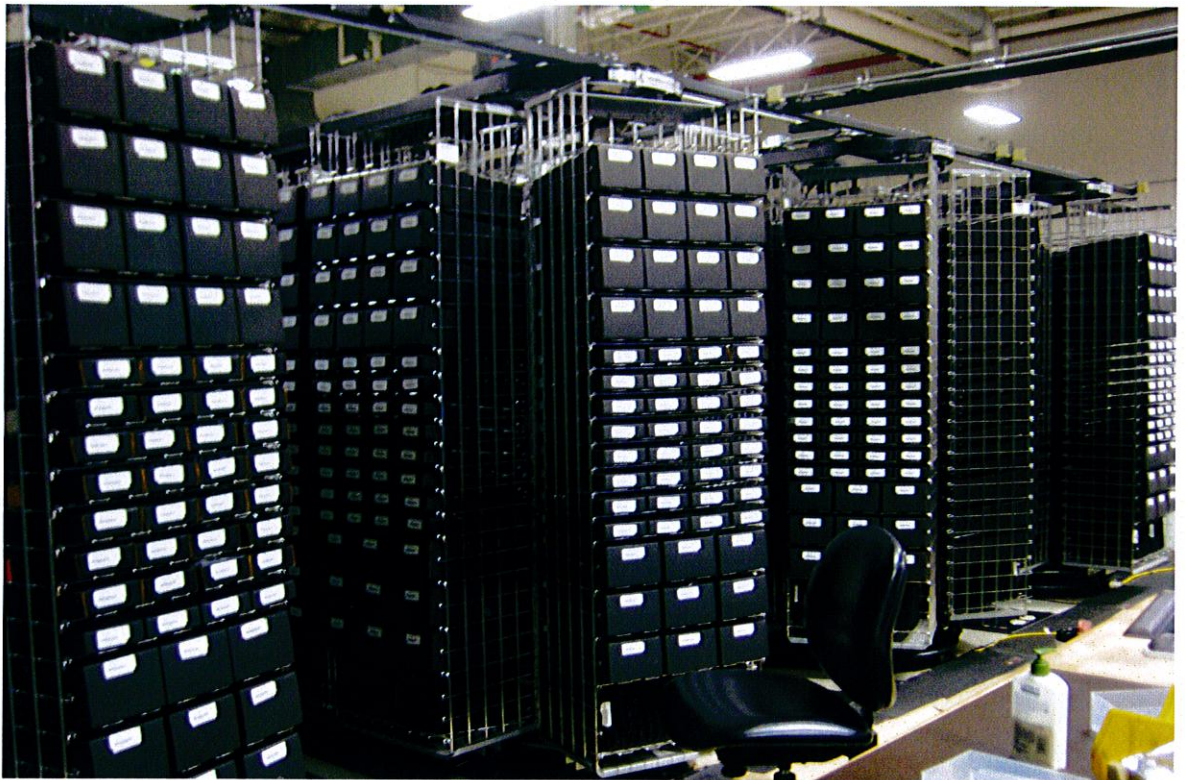
/// FULLY TESTED

All **DIAMOND™** Horizontal Carousels are assembled at our factory and tested under power with complete links, yokes, load bars and drive units in place. This takes time, but assures a quality installation.

/// MODULAR FRAME DESIGN

Standard size frame modules enable the carousel to be easily extended or reduced in size; when needed, expansion is simple and economical.







■ RUGGED FRAME CONSTRUCTION

- All models constructed with the same high capacity track and frame size, ensuring the fastest delivery in the industry
- Unmatched strength - heavy gauge stainless track is welded to 4" x 3" x 1/4" thick structural steel angle, with 4" x 2" x 1/4" thick steel tubing cross members
- No frame modifications necessary for double or triple stacking
- Structural mezzanines and multiple conveyor lines are easily supported on top of carousel frames
- Bottom track is adjustable, allowing bins to be raised to any required level

■ VERSATILE CONTROLS

- CCS keypad controller offers multi-level manual and automatic control
- CCS controllers display clear readable messages for mechanical, communication and diagnostic functions
- Footswitch provided for manual or back-up control
- Control panels are mountable in any location
- Optional control panels meet NEC and NEMA 1 standards; NEMA 12, UL and CE panels also available

■ LOW MAINTENANCE

- All components are accessible from outside the carousel
- No need for periodic adjustments of drive units
- Direct drives allow easy and inexpensive replacements
- Optional automatic lubricators





/// BINS & SHELVES

- Custom sizes and configurations
- Optional bins up to 15 feet tall
- Shelves adjust down to 2-inch centers with no tools required
- Optional shelf adjustability:
2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5 or 6 in.
- Bin capacity: 600, 1000, 1500 or 2000 lbs.
- Each bin supported by four heavy-duty cast aluminum yokes, load tested to 3,200 lbs. each
- Eight 1.5" diameter x 0.5" precision ground, lifetime lubricated bearings with hardened races distribute and carry the load for each bin
- Powder coated bins and shelves are standard
- Solid, wire and pass-through bin backs are available

/// EASILY REPLACED COMPONENTS

Commercially available AC drive motor, reducers, controls and all electrical components throughout the carousel simplify repairs and minimize downtime.

/// SIMPLIFIED INSTALLATION

- All bins are factory pre-assembled with sides and backs connected for easy fold-out installation
- Factory match-marked frames are shipped with all chains, yokes and drive units in place for accurate, simple, rapid installation

/// SAFETY

- Emergency stop controls can be located anywhere on the system including panels, workstations and light trees
- Vertical and horizontal photo-electric eyes available for added safety
- Optional safety floor mats
- CE configuration available



An integral component in our horizontal carousel system design, the **SpeedStation™** is a modular workstation engineered to efficiently organize the many tasks an operator must face in today's complex order processing environments.

With a broad choice of modular components and options, our cost effective workstation can be configured specifically for your operator's tasks - from high speed picking and putting to scanning, kitting, ticketing, bagging, labeling, weighing, logging, packing,

inspecting and more. Easy to adjust or reconfigure as your needs change, it's the industry's most versatile, flexible workstation ever offered.



Light Displays



DIAMOND™ Horizontal Carousel picking systems are easily configured with light displays and workstations to keep your operations running smoothly and efficiently. They are designed to communicate messages between computer and operator and assure

operator productivity and accuracy, our light-directed picking modules offer unparalleled features and capabilities.

Our ergonomic workstations are constructed from rugged structural steel for long life and durability.

Wiring, scanners, carousel controllers, adjustable light brackets, computers and other devices are seamlessly integrated to form a productive, organized workspace.



DIAMONDWARE SOFTWARE SUITE

Diamondware is a suite of software designed to meet the various operational requirements in a large variety of picking and order fulfillment applications. The combination of available modules allows the package to be tailored to your specific applications.

- **WES (Warehouse Execution System)**
Optimizes labor and equipment in the warehouse
- **PowerPick** Manages split case order picking
- **Direct Pick** Manages order picking via pick-to-light, voice picking and RF picking
- **AutoPick** Manages your automated storage and retrieval systems, like automatic insertor/extractors and stacker cranes
- **AutoRoute** Tracks your orders throughout your material handling system from just one interface
- **Modula WMS Base** Manages inventory in the MODULA VLM, the POWERdepot VC and other automated storage devices



Item-Compartment graphic matching, LU: 1010

Exit Update Kit Detail

Item

Item-Compartment graphic matching

Drag the column heading here for grouping.

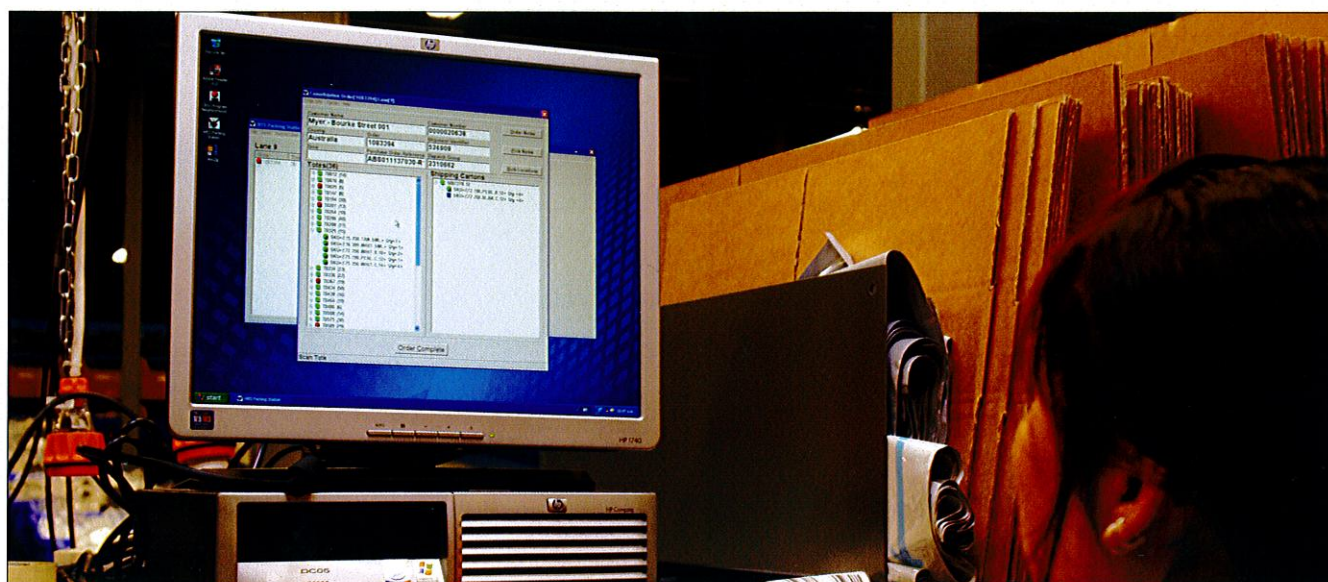
Item	Descrip...	Notes	Inventory	Stock	Availab...	Role	Stock T...	Attribut...	Attribut...
IX0001	Pump		1/1/1900 1...	0	0				
IX0002	Motor		1/1/1900 1...	0	0				
IX0003	Valve		7/23/2010 ...	0	0				
IX0004	Steel Tube		1/1/1900 1...	0	0				
TABLE	Wooden Table		1/1/1900 1...	0	0		KIT		
TSHRT	TSHRT		7/9/2010 9...	\$7,000	\$9,000			RED	LARGE

Compartment: 67
 LU: 1010
 Item: TSHRT
 Description: TSHRT
 Subcode 1: YELLOW
 Subcode 2: LARGE
 Material Status:
 Package:
 Expiration: 1/1/2011
 Compartment type: Free dimension
 Stock type:
 Position in LU: D2
 Item matching: ☒
 Stock: 15,000
 New Stock: 15,000
 Maximum capacity: 25,000

Save Changes

Item	C00020
Description	Complete Desktop PC
Unit of measurement	PZ - Pieces
Notes	
Areas enabled	
Average unit weight	0
Stock Type	KIT - Kit
Total number of pick-ups	0
Total number of deposits	0
Attribute 1	
Attribute 2	
Attribute 3	
Attribute 4	
Attribute 5	
Attribute 6	
Attribute 7	

Field description : Item code



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