



Case picking system

#### ELECTRICAL INSTALLATION:

The complete electrical panel and installation is made in North America to CSA/UL specification by Priority One, using standard, locally available, components. The operator station includes a colour touch screen and is integrated into the electrical panel for easy installation, since only 1 electrical and 1 air connection need to be made. A remote panel with Strong-Arm mounted operator station is available as an option. Standard controls are Allen-Bradley.

#### CONSIDER THESE BENEFITS:

- Flexibility to handle multiple lines on a single palletizer;
- Takes up minimal floor space;
- Can be equipped with rotary turntable for single discharge point;
- Makes rainbow palletizing by layer a snap.

#### MULTIPLE INFEEDS PROVIDE THE ADDITIONAL BENEFITS OF:

- Form multiple patterns simultaneously, while reducing the speed at which the process occurs, enabling pattern formation at production line speed;
- System throughput is doubled, tripled, or quadrupled without increasing the rate at which the individual cases are handled;
- Eliminates requirement for case accumulation, enabling close coupling of palletizer with various lines;
- Stacking the layer forming tables vertically eliminates the need for accumulation conveyors and conserves valuable floor space.

Priority One designs and manufactures a broad range of palletizing and depalletizing equipment, including robotic systems, high and low level palletizers, small footprint palletizers, multi-line (shuttle and rotary) palletizers, pail palletizers, bulk palletizers and high and low level depalletizers. Priority One also supplies table top and mat top conveyor systems, pallet conveyor systems, pressured and pressureless single filers, bottle and case elevators/lowerators, rinsers, magnetic elevators, cable track, full load stackers, Langguth Labelers and line integration.

#### PRIORITY ONE OFFERS THESE AND MANY OTHER ADVANTAGES:

- 24 HOUR SERVICE HOT-LINE
- CUSTOMIZED MAINTENANCE CONTRACTS
- MACHINE UPGRADES AND MODIFICATIONS
- ON-SITE TRAINING SESSIONS
- COMPLETE SHOP TESTING PRIOR TO SHIPMENT
- FULL LINE INTEGRATION SERVICES



PRIORITY ONE PACKAGING LTD.

815 Bridge Street, Waterloo ON Canada N2V 2M7  
 Phone: 519.746.6950 • Fax: 519.746.3578  
 Toll Free: 800.387.9102 • sales@priorityone.ca

[www.priorityonepackaging.com](http://www.priorityonepackaging.com)



# TYPHOON

FULL LAYER ROBOTIC PALLETIZING SYSTEM

Priority One



## PRIORITY ONE'S TYPHOON... FAST, EFFICIENT, AND FLEXIBLE.

The **TYPHOON**, Priority One's Full Layer Robotic Palletizer is a palletizing system, which combines non-robotic layer-forming technology with a robotic palletizer to transfer and stack a full layer of product at a time using a roller curtain. This hybrid palletizing system maximizes the utilization of the robot, achieving very high production rates and offering extreme versatility within a small footprint.

Designed and built by Priority One, an authorized Fanuc integrator, the **TYPHOON** performs multiple tasks simultaneously, forming rows and layers at the same time the robot transfers and stacks formed layers to the pallet. As one of the fastest low-level palletizers available, the **TYPHOON** handles up to five layers or more per minute.

Priority One can design the **TYPHOON** with multiple infeeds to handle a wide number of different products simultaneously. Up to four levels of layer-forming can be stacked one above the other, which enables up to four separate layers to be formed simultaneously to quadruple production speeds while maintaining gentle product handling and conserving floorspace. Furthermore, the palletizer can load from both sides, which allows two single-level or two multiple-level layer-forming modules to feed the palletizer.

The **TYPHOON** can produce rainbow pallets of mixed product as well as one-product pallets. The system can incorporate a multi-pallet rotary turntable or shuttle car, which allows the palletizer to load multiple SKU products onto two to eight pallets at a time. The system can insert tier sheets and slip sheets and can pick-up pallets.

Unlike full layer robotic palletizers that utilize vacuum or clamp end-effectors, Priority One's **TYPHOON** palletizer utilizes a roller curtain that supports product from underneath at all times. This gentle form of product handling allows the system to effectively palletize display packs and shrink-wrapped bundles and trays as well as cases, cartons and crates.

Unlike case-picking robotic palletizers, the **TYPHOON** squares each layer from all four sides to produce a very tight load that is more stable during subsequent warehouse handling and transportation.

The **TYPHOON** palletizer eases and speeds product changeovers because no end-of-arm tool (EOAT) changes are required for product changes. Programming changes are handled automatically via the system's integration with the plant-wide network.



*DOUBLE DECK INFEEED  
up to four levels of layer-forming  
can be stacked one above the other  
on both sides of the robot*

