Robotray
www.robotray.com

ROBOPICK

HIGH SPEED PICK & PLACE

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ROBOPICK:

High-speed pick & place robot. Our solution picks up product from a moving conveyor or a specified location, drops it off at another location or conveyor adjusting in-flight for packaging in a different arrangement. Modular system capable of achieving speeds up to 150 picks/minute per robot.

Hygienic parallel kinematic designed 4-axis delta robot made out of carbon fiber + titanium + stainless.

Top-loading pick & place system with fully enclosed gearboxes, servo motors and cables, offering a clean, dynamically fast and silent operation.

Works with 3D scanner to find products real time based on the following parameters: x-y coordinates, product volume and shape.

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SPECIFICATIONS:

- Up to 150 picks/minute (ISO gripper)
- Top loading system. Overhead mounted
- 4 Axis delta robot (Parallel kinematic design)
- Clean, dynamically fast and silent operation
- Carbon fbre + Titanium + Stainless construction
- Continuous recording of cycling performance with self-diagnostics
- PLC control choices: AB or Omron or Siemens.
- Color HMI Touchscreen, multilingual menus

- **BASE SYSTEM MEASUREMENTS:**
  - **WIDTH:** 169.73cm/66.82in
  - **LENGTH:** 96.20cm/244.33in
  - **HEIGHT:** 235.47cm/92.71in

- **ELECTRICAL SPECIFICATIONS:** 208-240 Volts / 50-60 Hz / 3-Phase
- **BASE SYSTEM WEIGHT:** 686Kg / 1512.76LBS

BENEFITS:

- Eliminate Labor
- Reduce workmans' comp costs
- Prevent employee litigation expenses
- Increase production. Higher run rates
- Compact. Space saving designs
- Flexible. Expandable capabilities
- Open Frame. Easy to clean & maintain
- Fast Payback. ROI of less than 18 months

MODELS:

A) 1100mm / 43.3071" radius
- 4 Trays per minute (30" x 20.5")
- 2 Trays per minute (760mm x 1,000mm)

B) 1300mm / 51,1811" radius
- 6 Trays per minute (30" x 20.5")
- 3 Trays per minute (760mm x 1,000mm)

C) 1500mm / 59,05512" radius
- 8 Trays per minute (30" x 20.5")
- 4 Trays per minute (760mm x 1,000mm)

Check the Video!!

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