

The RPA6000 is a standalone robotic printer applicator cell with the FANUC LR Mate 200iD/7L robot. Created using Vanomation's XYZ patent, the RPA6000 eliminates the requirement for a separate controller network by embedding the spatial coordinates for the label directly into the label data print stream. This guarantees that each label will be placed on the right product in the right location.



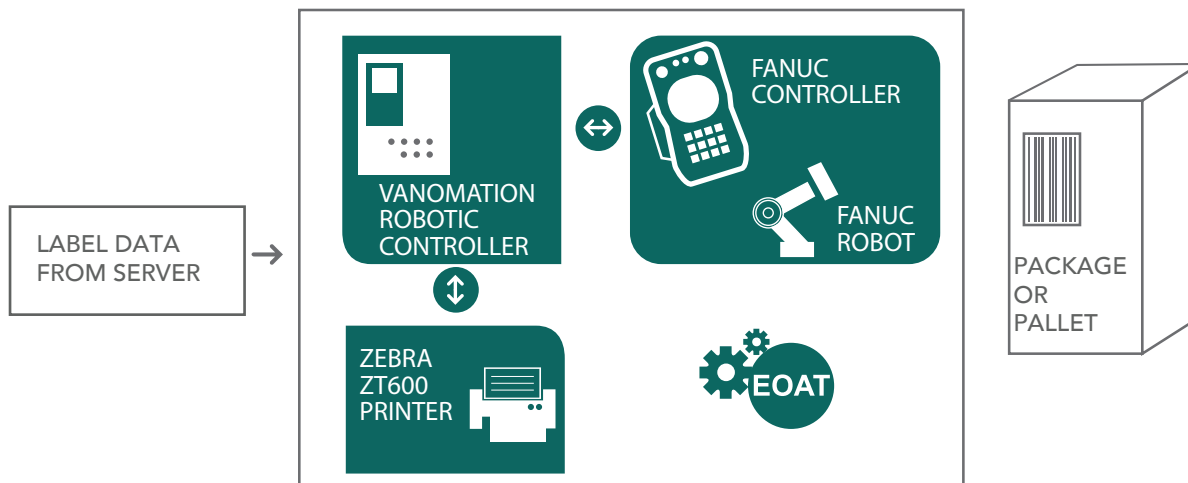
The RPA6000 ships as a complete system ready to be positioned against the conveyor system to begin applying labels with a minimum of effort.

#### THE VANOMATION RPA6000 has five core components

- Vanomation Robotic Controller
- Zebra ZT600 Barcode Printer
- Vanomation Steel Frame Cell
- FANUC LR Mate 200iD/7L Robot
- FANUC R-30iB Controller

#### OPTIONS AVAILABLE

- Standardized Safety Zone
- High throughput label printing
- Uninterruptible label printing
- Validating label application
- Barcode data verification
- Dynamic label placement



**APPLICATIONS:** Labelling on pallets and packages from 1.0"W x 0.5"L up to 8.5"W x 11.0"L

## RPA6000 FEATURES

- Single operator control display panel
- Automatic and manual printing modes
- Automatic robot pause with E-stop and safety door
- Dual printer/label tray for easy operator/maintenance servicing
- Variable placement of label based on pallet/package size
- Accurate placement of label within 0.1" or 2.5mm

## VANOMATION ROBOTIC CONTROLLER

### HARDWARE SPECIFICATIONS:

- I/O interface PCBA
- 24 VDC power supply
- 110 VAC single phase power
- Dual printer/label tray for easy operator/maintenance servicing
- Status light tower (R/Y/G/B)
- Industrial power/IO distribution enclosure (24" W x 20" H x 8" D)

### SOFTWARE SPECIFICATIONS:

- Dedicated I/O for printer status and command
- Patented XYZ spatial data for label placement
- Automatic or Manual mode
- Ethernet status messaging (optional HMI)

## ZEBRA ZT600 BARCODE PRINTER

- Thermal transfer and direct thermal printing
- Max Print Speed (4"/6"): 14/12 IPS @ 203dpi
- Automatic robot pause with E-stop and safety door
- 1D & 2D barcodes
- IGP Languages: ZPL and ZPL II
- Interface Options: Ethernet, parallel, 802.11ac, and IPv6

## VANOMATION STEEL FRAME CELL

Welded steel frame

Painted

- Industrial grade (gray/white)

Weight

- 415Kg

Dimensions

- Width: 1400mm
- Height: 2070mm
- Depth: 840mm

## FANUC LR MATE 200iD/7L ROBOT

- 911mm horizontal reach
- Standard hard-mount EOAT
- Optional one-touch tool changer
- Built-in Z compliance
- Pneumatic air and electric options

## FANUC R-30iB CONTROLLER

- IP65-67
- Single phase 240 VAC
- Standard Teach Pendant

## RPA6000 OPTIONS

Safety Zone (SAF) - Standardized safety fences and light curtains to disable robot operation in the event of human intervention

High Application Throughput (HAT) – Configures a second robot arm in the cell to increase the speed of package throughput

Uninterruptible Print Processing (UPP) – Configures a second printer in the cell to ensure that there is no downtime while labels are loaded or printheads are replaced

Validate Applied Label (VAL) – This hardware option ensures the label has been applied to the pallet or package

Barcode Data Verification (BDV) – Hardware/software ensures that the data can be read from the barcode label and this data is the same as the data sent to the printer

Dynamic Label Placement (DLP) – The vision/3D profiler is a hardware/software option that detects package size and orientation to determine where to correctly place the label

