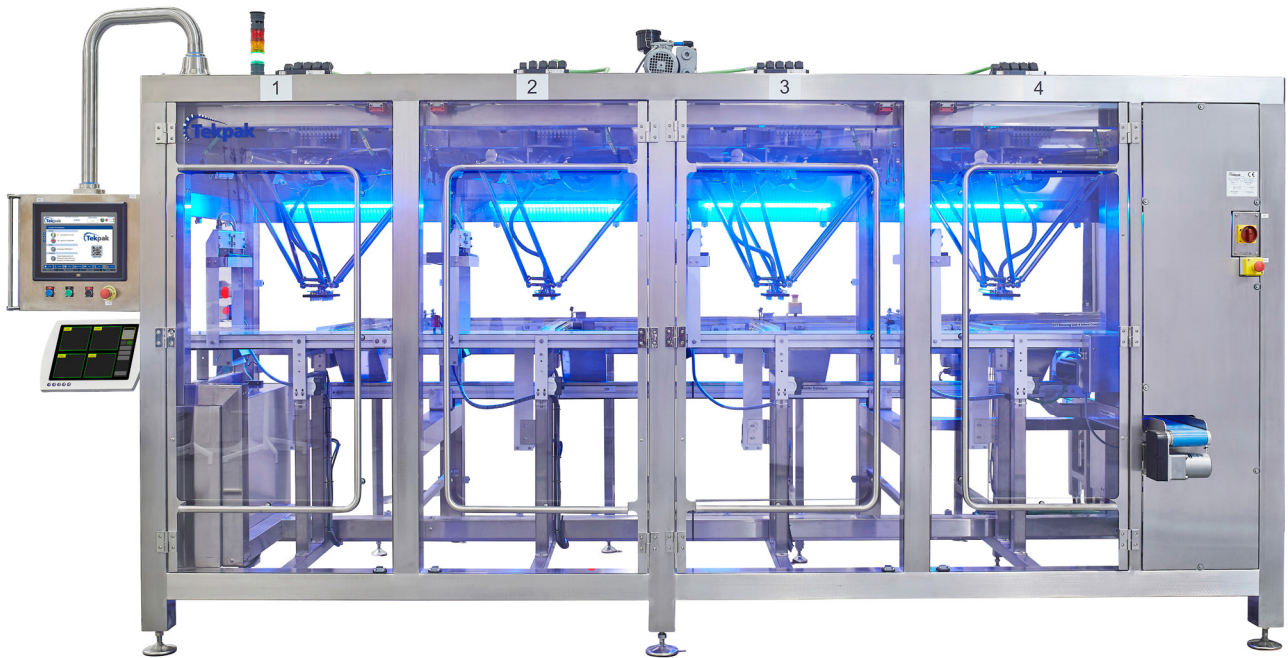


TD3/R Series

3-Axis Robotic Pick & Place Multi-Cell



Robotic Packaging Solutions



Robotic Pick & Place Multi-Cell- Typical Configuration

The 3-Axis Robotic Pick & Place Multi-Cell is a dynamic system capable of handling a wide variety of products from multiple industries. Suitable for loading/stacking individual products into trays, cases, cartons, a thermoforming machine or a flow wrapper infeed. Products can be picked from a controlled pick position with product preparation or picked from a random pick position using vision to determine location, with little to no product preparation required. Ideal for irregular products from multiple infeeds, high throughputs, in clean rooms or where space is limited.

Features and Benefits

- Customised product handling within a compact footprint
- Large colour touch screen HMI
- Quick change gripper for multiple formats if required
- Easy access for line clearance, cleaning and maintenance
- Reliable for high throughput operations
- Robot positional accuracy +/- 0.1mm
- Gentle product handling via servo control
- Position tracking for optimum pick & place



Technical Information

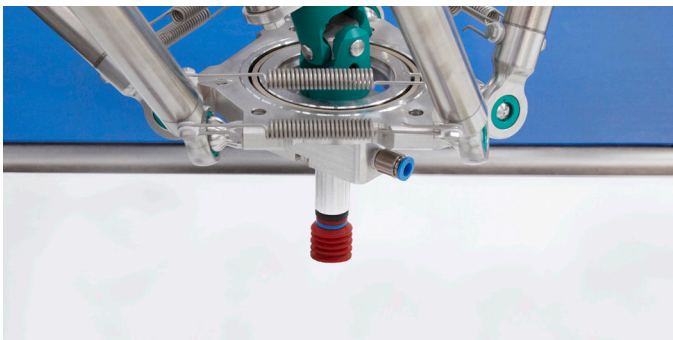
Base Machine Modules	<ul style="list-style-type: none"> - Control Panel – AISI 304L, IP66 - 3-Axis Delta Robot - Stainless Steel Robot Head And Arms - No Calibration Required
Machine Frame	<ul style="list-style-type: none"> - Fabricated Stainless Steel with Polished Finish - Anti-Vibration Support Structure - GMP Features For Easy Cleaning
Control System	<ul style="list-style-type: none"> - Schneider , Allen Bradley or Siemens Options
Software Functions	<ul style="list-style-type: none"> - Format Control/Format Settings List/Data Location - Control Of The Conveyor Speeds By TCP/IP - Upstream/Downstream Signal Connectivity
Safety	<ul style="list-style-type: none"> - Interlocked Doors - E-Stop On The Main Operator Panel - Remote Panel E-Stop - Power Isolator With LOTO
Pneumatics	<ul style="list-style-type: none"> - Festo, SMC or Bosch Rexroth

Operator Interface

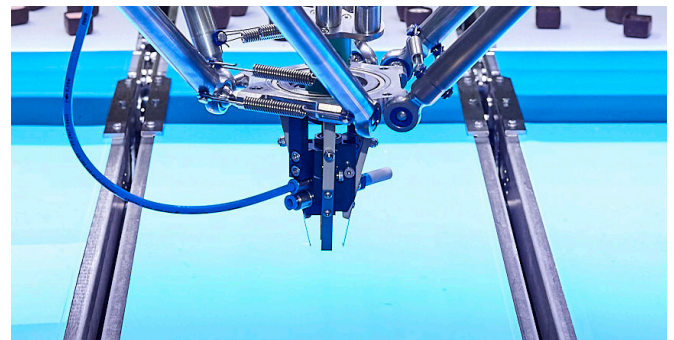
HMI Display	<ul style="list-style-type: none"> - Large Colour Touch Screen - HMI Mounted on Articulated Rotary Arm with Horizontal Adjustment
Operator Controls	<ul style="list-style-type: none"> - Alarms, Warnings, Prompt Messages - I/O Status Check - Machine State (Stop, Ready, Running, Alarm) - Counters (Throughput, Batch Count, Rejects) - Password Protected Local Access Levels - Maintenance Intervals Displayed on HMI - Machine Cycle Count

Service Specifications

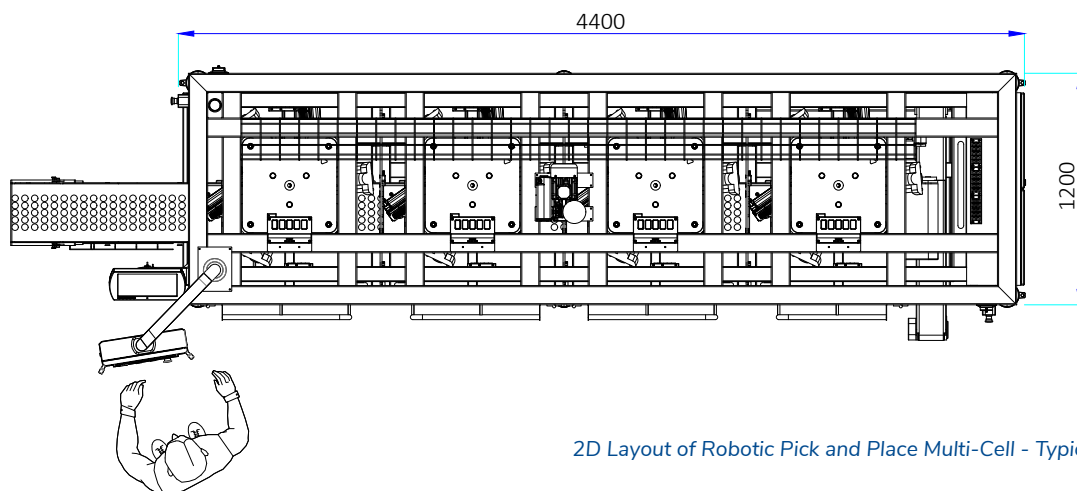
Electrical Supply	- 400v, 50Hz, 3 Phase, Neutral + Earth
Compressed Air	- 6 Bar Clean Dry Compressed Air
Control Voltage	- 24 V DC (Internal)



Precision Vacuum Gripper



Precision Mechanical Gripper



2D Layout of Robotic Pick and Place Multi-Cell - Typical Configuration



Customised Engineering & Integration



24/7 Technical Support