

TD2 & TD3 Series Top Load Case Packer

Robotic Packaging Solutions



Top Load Case Packer- Typical Configuration

The Top Load Case Packer is specifically designed for loading flexible or difficult to handle products in groups into trays or cases. Customised multi-pick grippers include a precision mechanical gripper for picking bags, pouches or containers, a vacuum gripper for picking sealed trays, flow packs, bottles or diagnostic kits or a combination mechanical and vacuum gripper.

The system is ideal for automated production lines within the Life Sciences or Food Industry with high throughputs, difficult to handle products, clean room requirements or where there are space constraints.

Features and Benefits

- Designed for multi-format products handled in groups
- Compact footprint with rapid size change capability
- Quick change gripper for reduced downtime
- Easy access for line clearance, cleaning and maintenance
- Large colour touch screen HMI
- Robot positional accuracy +/- 0.1mm
- Gentle product handling with servo control
- Optional integration of a labeller and/or data printer



Technical Information

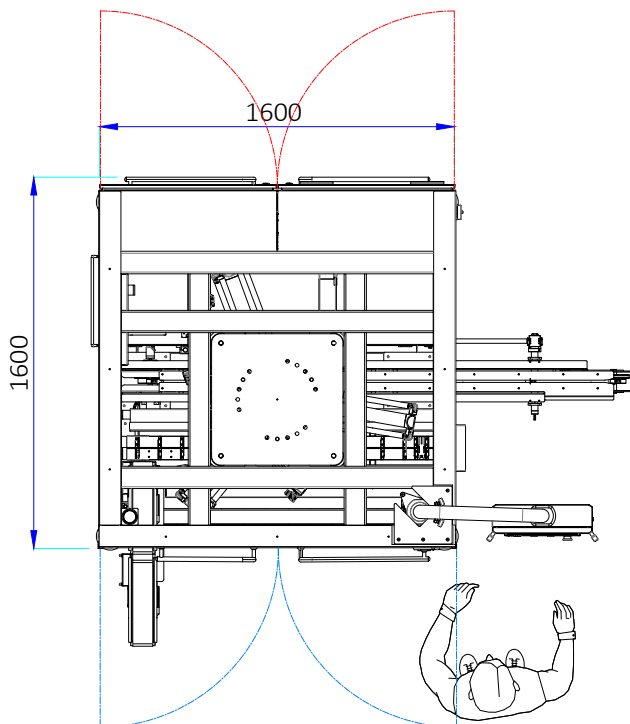
Base Machine Modules	<ul style="list-style-type: none"> - Control Panel – AISI 304L, IP66 - 3-Axis Delta Robot - Stainless Steel Robot Head and Arms - No Calibration Required
Machine Frame	<ul style="list-style-type: none"> - Fabricated Stainless Steel with Polished Finish - Anti-Vibration Support Structure - 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)



2D Layout of Top Load Case Packer - Typical Configuration



Multi-Pick Precision Vacuum Gripper



Multi-Pick Precision Mechanical Gripper



Customised Engineering & Integration



24/7 Technical Support