


RPI Robotic Partition Inserter

Pearsons' Robotic Partition Inserters place up to 20, 38 or 55 chipboard or corrugated partitions per minute depending on the number of robots used. A pick-off carriage supports the reliable singulation of the partitions from the magazine. The robot tool then grabs the opposing panels to stabilize the partitions during motion and placement. By angling the partitions prior to insertion, snag points can be eliminated. Line tracking further enables continuous motion, which increases throughput and reduces machine wear as well as the risk of product damage. Side belt infeed ensures control of the cases as they are being introduced into the system, while a high friction bottom belt eliminates side pressure and maintains accurate case positioning.



Speed	up to 20 38 55 cases/min depending on number of robots in cell
Min. Case Size Base Machine	8" (L) x 5" (W) x 3" (H)
Max. Case Size Base Machine	24" (L) x 14" (W) x 14" (H)
Operation	Robotic
Changeover	HMI graphical guided instructions, tool-free changeover with externally accessible adjustments, automatic end of arm tool change over available 5 min (estimate for trained technician)
Construction	Mild Steel Stainless Steel
Machine Size Range (ft)	12.4-24.5 (L) x 11.5 (W) x 7.5 (H)
Controls	Allen-Bradley CompactLogix PLC FANUC Robot Controller PackML Compliant PanelView Color HMI
Air Requirements	80 PSI
Power Requirements	460 VAC
Disconnect Sizes	RPI20: 30 Amps RPI38: 40 Amps RPI55: 50 Amps
Air Consumption	1.077 SCF/Cycle
Full Load Amp Base Machine	RPI20: 30 Amps RPI38: 40 Amps RPI55: 50 Amps
Case Support	 RSC Tablock RSC HSC CSSC

Standard Features

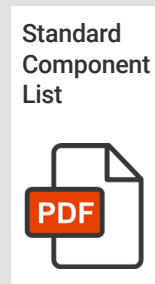
- HMI with User Centric Design
- Safety Redundancy with CAT 3
- Reliable Non-Contact Interlocks
- High-Visibility Machine Status
- Easily Accessible Grace Port
- Auxillary Operator Station
- Remote Access Support Capability

Popular Upgrade Options

- Robotic Tamper
- Magazine Extension
- Air Conditioner
- Low Temperature Environment

Resources

To view videos or download floorplans of the base machine, please click on the links

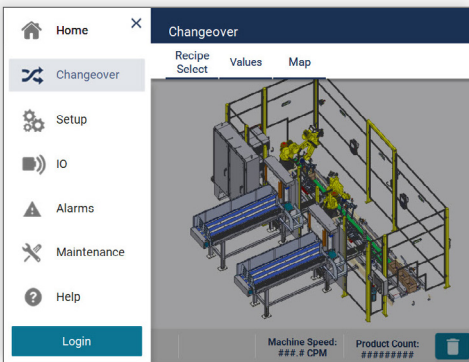


User Centric Design

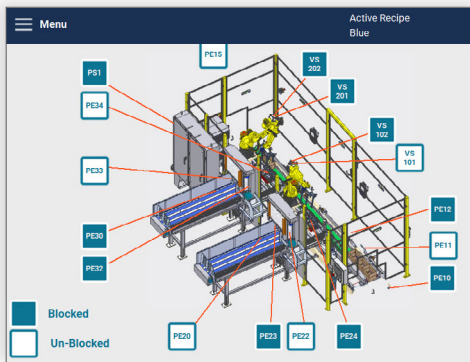
Minimize training time | Increase changeover and fault-recovery speed | Promote improved machine maintenance

Machine operators that perform their tasks independently free up maintenance time and keep lines running smoother. Yet frequent turnover, language barriers, and skill gaps in these positions pose significant challenges to operations teams asked to meet production goals while reducing costs in the process. Pearson's User Centric Design is there to help.

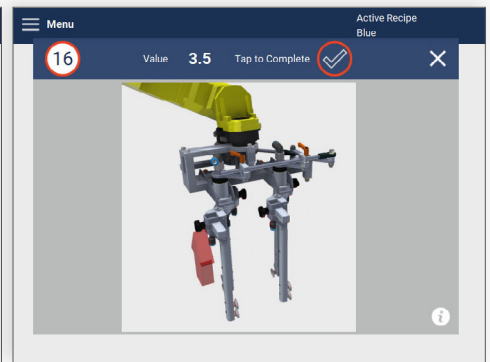
With an uncluttered design, intuitive navigation, interactive guides, live sensor maps and advanced maintenance features, the HMI has morphed into a personal assistant.



Main Navigation



Sensor Map Screen



Changeover Instructions



**Not just a
great product
but a reliable
partner**

- Find reliable, thought-out solutions based on 60 years of experience | 30 years of robotic integration
- Expect a rugged machine design optimized for high-volume 24/7 operations
- Optimally support a high-turnover labor force with an intuitive Human Machine Interface (HMI)
- Benefit from a uniform user interface for your erecting, packing, sealing, and palletizing equipment
- Experience premier industry lead-times for faster delivery and shorter down-payment cycles
- Depend on our project managers to provide ongoing visibility to meet delivery timelines and budgets
- Count on comprehensive sales, aftermarket, and service support
- Rely on extensively trained and FANUC Certified technicians to service your equipment
- Always lean on us for 24/7 live service support