

Polaris Junior Applications

Every process line has a need for complex assembly steps, but in most cases, there is a need to simply move parts from point A to B. The Polaris Junior was designed to offer a lower cost platform that can be configured for many of these types of operations. This Machine has been configured for our customers to:

- move assemblies and Printed Circuit Boards into and out of test nests
- Many types of dispensing applications
- Automated Screw driving
- Label placement
- Optical inspection
- Laser height inspection
- Traffic Controls in a complex system

This machine is also designed to be a flexible, reconfigurable cell. The modular concept has served our customers well and because the platform is robust, it can be used for many different applications. So if you want to protect your automation investment, the Polaris line of automation cells is the right choice. As our economy continues to wain, Universal's Polaris customers have been able to perpetuate their automation strategies without going back to the bank!

If you have any questions about these applications, or the Polaris Automation solutions, Please contact your Local sales representative.

POLARIS™
Junior



Polaris Junior – pallet Loader

Customer Process

- This machine is a 1000mm Polaris Junior
- The machine is configured with a Pneumatic theta and a servo “Z”.
- There is a Magazine un-loader delivering boards to the Pick area of the machine
- While on the conveyor, the 2-D barcode is read
- The host system determines if the Base plate should go into the final process
- Takt time is 1.5 seconds



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Polaris Junior – Pick and Place

Customer Process

- This machine is a 1000mm Polaris Junior
- The machine is configured with custom Pick and Place head and dual drawer slide for operator interface
- The machine is inserting PCB to PCB spacers
- Takt time is 1.8 seconds

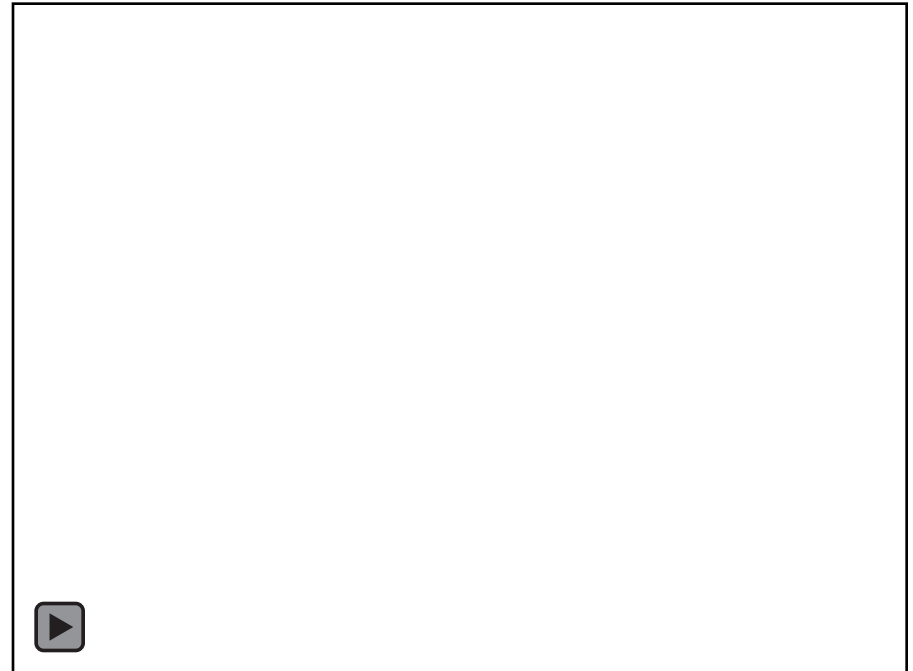


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Polaris Junior – Pick and Place

Customer Process

- This machine is a 500mm Polaris Junior
- The machine is configured with a Mechanical gripper pick and place head
- The machine is also configured with a locating nest built on a standard conveyor
- Takt time is 4 seconds



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Polaris Junior – Pick and Place

Customer Process

- This machine is a 1000mm Polaris Junior
- The machine is configured with a Mechanical gripper pick and place head
- The machine is also configured with a locating nest built on a standard conveyor
- Takt time is 4 seconds per part



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