Bertelkamp Automation, Inc.
INDUSTRIAL AUTOMATION SPECIALISTS

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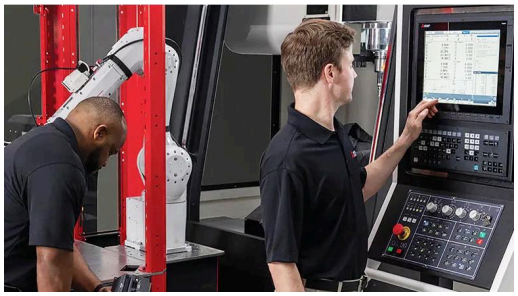
Robot Automates Machine Tending

ASSEMBLY Magazine Articles

MITSUBISHI ELECTRIC

Standardized robotic cell enables milling machine to run 24 hours unattended.



TL Aerotek, Inc., small machine shop that specializes in making precision components for aerospace manufacturers, wanted to keep up with accelerating demand and continue building their business, but didn't want to deal with labor uncertainty.

They decided to automate the process of loading and unloading their CNC milling machine using Mitsubishi's LoadMate Plus system. LoadMate Plus is a standardized robotic system for machine tending from Mitsubishi Electric.

After implementation at TL Aerotek, the system ran unattended for 24 hours, tripling normal output. **They now able to complete a month's quota in just a week.**

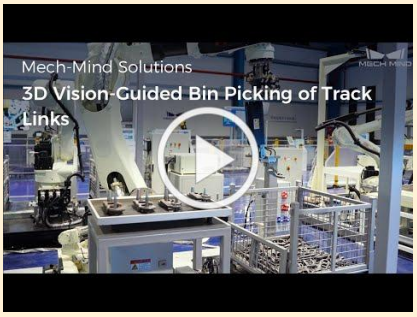
Read the ASSEMBLY Magazine Article

3D Vision Guided Bin Picking

Mech-Mind makes robots intelligent

MECH MIND

Guided by Mech-Mind 3D vision systems, **robots can recognize randomly-pile materials,** even those with dark or reflective surfaces and complex structures, and then pick them up from deep bins accurately without damaging the components.



Mech-Viz visualized interface software provides code-free programming environment to deploy robotic applications quickly.

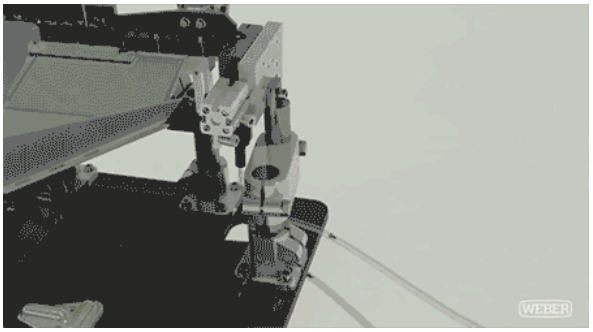
More About Mech-Mind Technology

Making Screwdriving Automation Easier

Feed while you drive!

WEBER

The basis for this industry leading technology is the **unique feed head design of WEBER's screwdriving systems.**



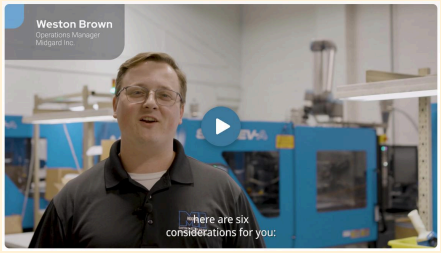
WEBER was the first and, to date, remains one of the few manufacturers in the industry to incorporate a swivel screw feed arm directly into the feed head. The swivel arm holds the next fastener in place, ready to be driven.

This method eliminates the time spent waiting for the next fastener to travel all the way from the feed system, naturally reducing the cycle time by an average of 2 to 3 seconds.

Learn More About Screwdriving Automation

6 Tips for Success with Cobots and Injection Molding

Streamline injection molding process



Collaborative robotic systems are now affordable and easily deployed on plastic injection molding machines.

If you're an injection molder looking to deploy a cobot, **here are 6 considerations for you**.

1. Define cobot reach for the size of your machine
2. Explore mounting options for safety and space
3. Know your protocols and interface options
4. Add secondary operations to boost ROI
5. Look for fast changeover and easy programming
6. Understand your reasons for automating

After learning about how UR cobots can help streamline an injection molding process, don't hesitate to reach out if you are ready to explore automation for your business.

Learn More About the 6 Tips

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