

Automated Machine Tending Solutions



JMP Solutions

About JMP

- Serving national customers locally: 14 business units throughout North America, targeting Industrial Fortune 1000 companies since 1987
- More than 20,000 projects completed to date
- Strategic partnerships with Rockwell Automation, Honeywell, and FANUC
- Top 10 largest Controls System Integrator in North America (SI Giants List from CFE Media)
- **Core Competencies and Applications Where We Excel:**
 - Automated Guided Vehicles
 - Control System Integration
 - Information & MES
 - Networking Infrastructure and Security
 - Process Automation
 - Robotic Systems

From Machine Tending...

- Vision-guided raw material picking
- Flexible part sizes
- Multiple CNC load/unload
- Integration with any machine tool and any robot
- Quick change tooling for maximum flexibility
- Thread and part gauging
- Quality inspection
- Product deburring
- Part washing and blow-off
- Complex palletizing
- Faster chip-to-chip time means more parts produced
- Fully integrated with your business and scheduling systems
- 24/7 remote support via webcam and internet connection

...To Full Material Handling, Assembly, Cutting and Welding Solutions

- Robotic solution for applying thread protectors and couplings to the ends of pipes and tools
- Robotic assembly cells to complete collection and testing of tools

Reduce Costs with Automated Machine Tending Solutions

Implementing robotic machine tending solutions frees up your labour to focus on more value-added work, while adding capacity to the machine tools you already have.

Cells can be designed to be flexible, enabling you to respond quickly to your customers' demands for parts.

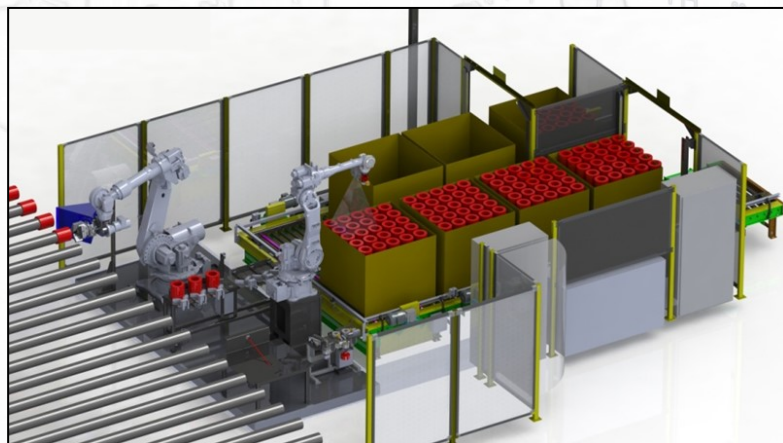
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Our Approach to Automated Machine Tending Solutions:

- ✓ **Complete Initial Assessment Meeting** — We listen and clarify your needs. Then, we outline solutions, possibilities, and recommendations.
- ✓ **On-Site Audit** — We will be on-site to review your current machine tending process and perform an audit. The audit will identify what technology can be used to optimize and automate the inspection process.
- ✓ **Engineering Scoping Specification** — If contracted, we can build a specification and scope document if one does not exist. This Engineering Specification will highlight the best course of action to be taken to start automating the process. It will define the type of holistic dashboards your team will use daily, weekly and monthly to drive improvement and reduce operating costs.
- ✓ **Proposal Review** — An in-person meeting to review the technical proposal including the benefits, value, and justifications needed for the project to pass your internal hurdle rates.
- ✓ **Project Kickoff** — Once the specification document is agreed to and accepted, our team of engineers will begin the project. As part of our Project Management process:
 - ✓ Weekly formal communication meetings and project updates will take place.
 - ✓ Project gate reviews will be conducted and completed as the project begins.
 - ✓ During the project kickoff and project execution, we define with you who needs to be trained for proper operation, maintenance, troubleshooting and updating of the system so your team is fully capable of sustaining and maintaining the system.
- ✓ **Project Completion** — At project completion, JMP will ensure that all tasks are completed and a formal site acceptance test (SAT) is acknowledged by you.



**Contact JMP today for all of your
Machine Tending Solutions!**

www.jmpsolutions.com