

# Robotic Machine Tending Self Assessment



Robotic machine tending applications are used to automate human or mechanical operations so parts are produced with better quality, increased speed and with reduced ergonomic fatigue. Implementing these solutions requires a well thought-out plan so projects are completed under budget and on-time. This self assessment scorecard aids engineers at end-users in determining risk, complexity, and change management opportunities (people, processes and tools) and should be completed while speaking with a JMP Subject Matter Expert.

Please rank your responses on the next page from 1-5 with 1 representing strongly disagree and 5 being strongly agree.

**Scoring:**

**40-50:** You're well in control of your process. Let us know if we can help in the future.

**35-39:** Room for cost reducing process efficiency improvements. Call JMP to help.

**10-34:** High degree of process inefficiency and operational risk factors. Call JMP to help.

	1	2	3	4	5
1. Your manual labour force is optimized and fully allocated to value-add functions where production costs are minimized and risk of human error is low.	1	2	3	4	5
2. Part weight and / or dimensions are not a handling, movement or safety hurdle for your labour force.	1	2	3	4	5
3. There are no ergonomic or safety concerns associated with operators addressing machinery when loading or unloading parts.	1	2	3	4	5
4. A standardized and verifiable process exists for finished product tracking and serialization.	1	2	3	4	5
5. Are in process quality control measures are in place, being utilized on a regular basis and traceable?	1	2	3	4	5
6. Process flow is fully optimized between multiple machines in order to minimize production bottlenecks, unallocated labour periods and work in progress scenarios.	1	2	3	4	5
7. There is a steady availability of skilled, well trained labour and turnover / training is not a concern.	1	2	3	4	5
8. Process consistency is optimized and results in a streamlined, lean workflow while producing a high level of product quality and repeatability.	1	2	3	4	5
9. Your current manufacturing process is consistent and serial overall, not requiring multiple equipment changeovers resulting in process downtime between setups.	1	2	3	4	5
10. Finished product cleaning systems are in place, consistent and traceable.	1	2	3	4	5

**TOTAL SCORE:** \_\_\_\_\_

## JMP Solutions

Head Office:

4026 Meadowbrook Dr. Unit 143,

London, ON N6L 1C9

Toll Free: 1-855-228-0436

Request an Onsite  
Assessment

