



WILL AI REPLACE ME?

Machine Operator

Construction and Public Works

?? Although eight criteria, including the complexity and creativity of primary tasks and associated risk levels, indicate this job has significant automation potential, its physical dimension acts as a substantial hurdle to further automation.

Machine operators, while responsible for starting, stopping, and monitoring machines, can potentially benefit from AI in terms of predictive analytics to anticipate maintenance needs. However, despite technological advancements, some interventions remain exclusively manual, especially for minor troubleshooting.

Even though AI can assist in detecting and reporting anomalies, the need for human intervention is paramount to ensure safety and operational continuity.

Automation degree: 6,67%

Job not Influenced by AI Due to Its Predominantly Physical Nature.



Main tasks

This section reviews the 3 main tasks associated with the job studied and assesses the potential level of automation induced by AI (« **AI Automation Impact** »). The modeling uses 8 criteria detailed on the « **Methodology** » page.

Tasks	AI Automation Impact
Start and stop machines.	High
Monitor operations.	Significant
Perform minor interventions in case of a problem.	Significant

Impact on skills

At-risk Skills ↓

<p>Manual Execution of Precise Adjustments</p>	<p>With the advancement of digital printing technologies and automation, many manual tasks are becoming less relevant. Modern machines can automatically adjust printing settings and mix inks precisely.</p>
<p>Simple Interventions in Case of Incident Without Technological Assistance</p>	<p>Modern machines are increasingly equipped with advanced diagnostic systems that can detect and even automatically correct certain anomalies. These systems reduce the need for frequent human interventions, except in cases of major issues.</p>

Future-proof Skills ↑

<p>Supervision of First-Level Maintenance</p>	<p>Even with increasing automation, machines will still require human intervention for quick maintenance, adjustments, or troubleshooting. This skill is all the more important as downtime can be costly in terms of productivity.</p>
<p>Capacity to Propose Technical or Organizational Improvements</p>	<p>A human perspective and practical experience allow for identifying areas of efficiency and potential improvements. Even if automated systems can optimize certain processes, the feedback from a machine operator is invaluable for optimizing operations and ensuring quality production.</p>

Visit our website