Machine maintenance technician

Keeps machines and production systems running safely, efficiently and without interruption through inspection, preventive maintenance and fast repairs.



REQUIRED COMPETENCES

Score out of 10 · highlighted bars mark the top score (10)

Human-centric collaboration skills 8
Works with operators and engineers for safe maintenance

Green skills and sustainability awareness 7
Keeps machines efficient and reduces energy waste

Digital fluency and critical thinking 8
Uses digital monitoring and predictive maintenance tools

Logic thinking and problem-solving 10
Diagnoses faults and solves technical issues daily

Adaptability and resilience 9
Responds quickly to unexpected breakdowns

Emotional intelligence and empathy 6
Communicates under pressure during urgent situations

Multicultural teamwork and conflict management 6
Works with diverse teams on shared production goals

Creativity and innovation 7
Suggests improvements to prevent recurring failures

Digital ethics and responsibility 6
Handles maintenance data responsibly

Ethical awareness and professional responsibility 8
Ensures safety and compliance in all maintenance work

DAY-TO-DAY TASKS

1. Inspect machines and identify early signs of faults
2. Perform preventive maintenance according to schedules
3. Troubleshoot mechanical or electrical issues
4. Record maintenance activities
5. Work with operators to improve machine performance
6. Check safety before and after maintenance work

CHALLENGES

1. Handling urgent breakdowns under pressure
2. Working in hazardous and/or high-risk environments
3. Keeping up with new digital maintenance technologies
4. Ensuring safety while performing complex repairs
5. Managing multiple tasks simultaneously

CAREER OPPORTUNITIES

Step up	With additional training	Move sideways	Upskill in
Senior technician	Reliability specialist	Quality	Automation
Maintenance planner	Automation technician	Production	Robotics
Maintenance supervisor	Maintenance engineer	Technical support	Digital monitoring tools

ALIGNMENT WITH PROCESS INDUSTRIES

Fits all 8 sectors

- ✓ Chemical & petrochemical
- ✓ Pharmaceuticals
- ✓ Petroleum refining
- ✓ Mining & metal production
- ✓ Mineral & material industries
- ✓ Forest industries
- ✓ Food & beverage
- ✓ Utilities

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Lead partner for this avatar: **PENDIK**

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