

TRAINING ON CNC MACHINES

- Advancing Skills in CNC Systems



ABOUT US

Welcome to Pertecnica, your gateway to skill elevation! We specialize in providing targeted training for employees, equipping them with the tools to excel in their roles. Our expert-led programs ensure a seamless blend of theory and practical application, fostering continuous growth. At Pertecnica, we don't just train; we empower professionals for success in today's fast-paced work landscape.



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SPECIALIZED TRAINING PROGRAMS

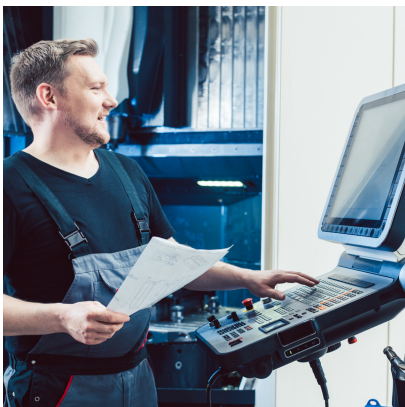
- for CNC machines

Pertechnica's training initiatives cover a diverse array of pivotal topics, including CNC machine operation principles, programming languages, tooling techniques, maintenance practices, and advancements in CNC technology. Emphasizing precision, efficiency, and adherence to industry standards, Pertechnica Engineering ensures that participants gain a deep understanding of CNC machines, empowering them to proficiently handle, maintain, and optimize these pivotal systems within the Indian industrial landscape with precision and efficacy.

Employee Trainings on CNC machines

CNC Machine Operation Training:

This program focuses on training individuals to become proficient CNC machine operators. Participants learn about CNC machine controls, tool setup, workpiece loading, and basic operation.



CNC Machine Programming Training:

Covers the fundamentals of CNC machine programming, including G-code and M-code programming, toolpath generation, and CNC software operation.



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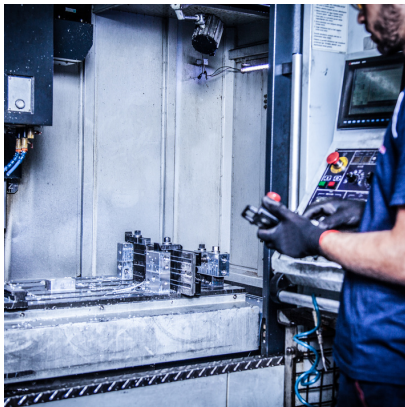
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CNC Machine Maintenance & Repair Training:

This training program covers the maintenance and repair of CNC machines. Topics include routine inspections, preventive maintenance tasks, troubleshooting common issues, and basic repair techniques.



CNC Machine Safety Training:

Emphasizes safety practices when working with CNC machines, including machine guarding, hazard identification, and compliance with safety regulations and standards.

CNC Machine Tooling and Setup Training:
Training on tool selection, tool setup, workpiece fixturing, and tool change procedures for CNC machines.



Advanced CNC Programming & Machining Techniques:

Designed for experienced CNC operators and programmers, this program delves into advanced programming techniques, complex part machining, and toolpath optimization.



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CNC Machine Calibration and Metrology:
Covers CNC machine calibration procedures, machine accuracy assessment, and metrology techniques for ensuring precision in machining.



CNC Machine Simulation and CAD/CAM Integration:

Training on CNC machine simulation software and CAD/CAM (Computer-Aided Design/Computer-Aided Manufacturing) integration for offline program verification and optimization.



CNC Machine Retrofitting and Upgrading:
Addresses the retrofitting of existing CNC machines with modern components, controllers, and automation systems to improve performance and capabilities.



CNC Machine Environmental Compliance:
Addresses environmental regulations and best practices related to CNC machine operation, including coolant management and waste disposal.



CNC Machine Remote Monitoring and Industry 4.0 Integration:

Training on remote monitoring systems, Industry 4.0 concepts, and IoT (Internet of Things) integration for real-time machine data collection and analysis.



Why Choose Pertecnica Engineering?

- **Expertise & Relevant Experience:** We have in-depth expertise in the specific subject matter and relevant industry experience. This ensures that the training is not only theoretically sound but also practically applicable to real-world scenarios in the company's specific field.
- **Customization and Relevance of Content:** Our tailored programs that align with the company's objectives, culture, and the specific skill gaps of the employees are highly valued.
- **Measurable Outcomes and ROI:** Our training will lead to tangible improvements in employee performance and productivity, thereby offering a strong return on investment (ROI).
- **Flexibility & Innovative Delivery Methods:** Flexibility in terms of scheduling, format (in-person, online, hybrid), and adaptability to different learning styles. We offer innovative and engaging training methods that keep employees motivated and facilitate effective learning.

