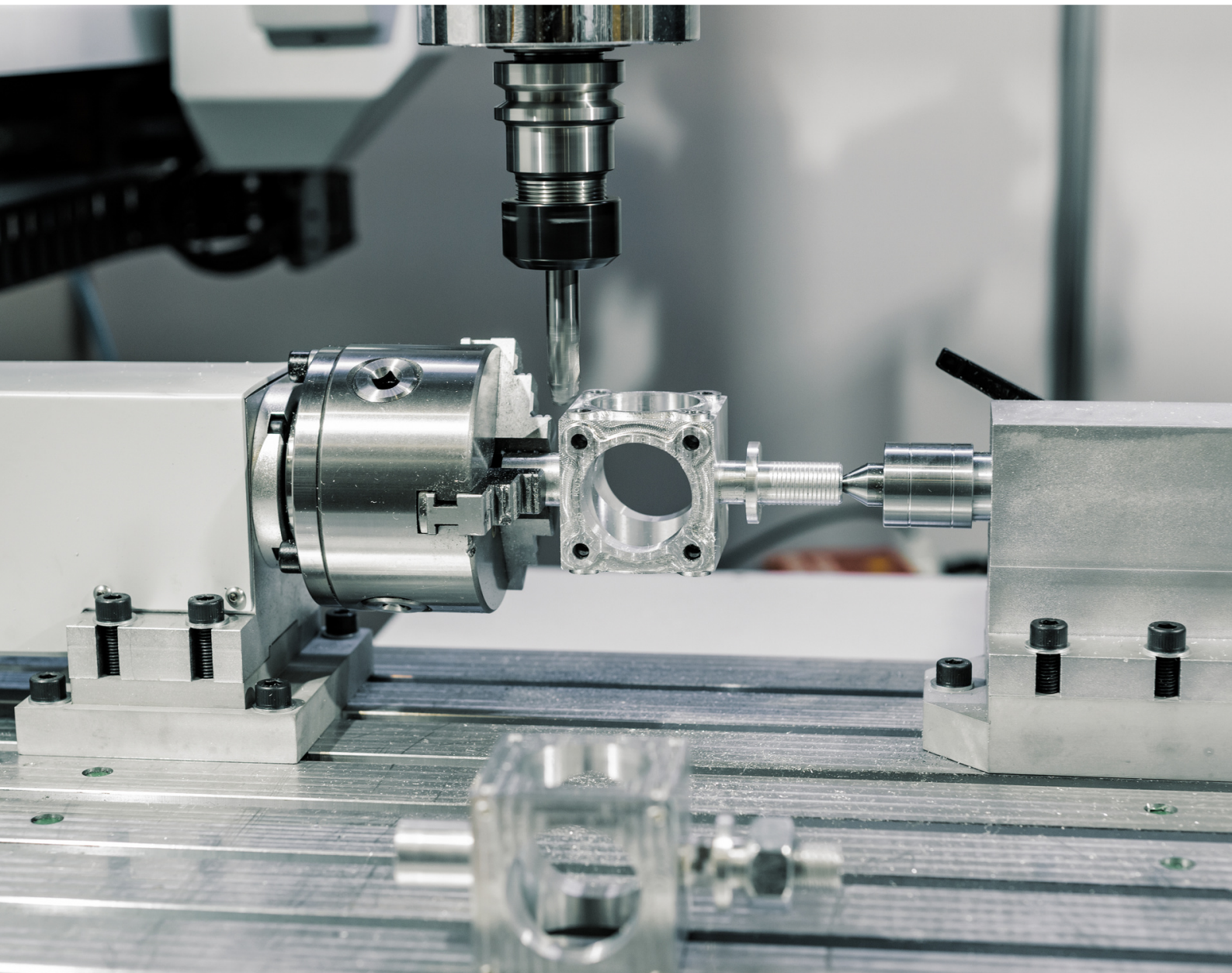


TRAINING ON MACHINE TOOLS

- Unleash Your Swagger in Toolcraft!



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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.



SPECIALIZED TRAINING PROGRAMS

- for Machine Tools

Pertecnica Engineering leads the charge in employee development with its unmatched specialized training modules tailored for mastering machine tools. Our programs cover a comprehensive array of machinery, focusing on operational principles, maintenance protocols, precision techniques, and safety measures. Guided by industry experts, our training ensures participants gain hands-on experience and theoretical insights into various machine tools, enabling them to optimize performance, troubleshoot issues, and maximize efficiency.

Employee Trainings on Machine Tools

Drive Assembly and Installation Training:

- This program covers the assembly, installation, and wiring of drives and associated equipment, including VFDs, motor control centers (MCCs), and power distribution components.



Drive Operation and Control Training:

- Focused on drive operation, this training program covers drive controls, parameter settings, startup and shutdown procedures, and safety protocols.



Employee Trainings on Conveyors

Drive Maintenance and Troubleshooting Training:

- Covers routine maintenance tasks, preventive maintenance scheduling, and troubleshooting techniques to ensure drives and VFDs operate efficiently and reliably.

Maintenance



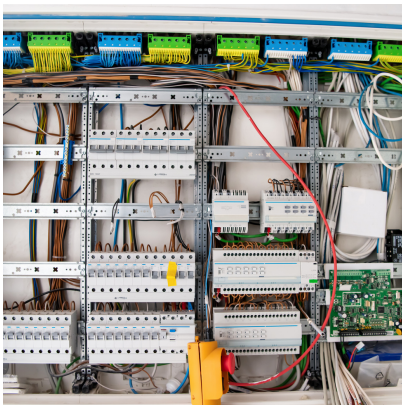
Variable Frequency Drive (VFD)

Programming and Commissioning:

- Training on programming VFDs, setting drive parameters, and commissioning VFD systems for motor control and energy efficiency.

Drive Safety and Regulatory Compliance Training:

- Emphasizes safety practices when working with drives and VFDs, including hazard identification, safety regulations, and compliance with industry standards.



Power Drive Systems and Harmonics Mitigation:

- Addresses power quality issues, harmonics mitigation, and the impact of drives on the electrical system, focusing on power factor correction and harmonic filters.



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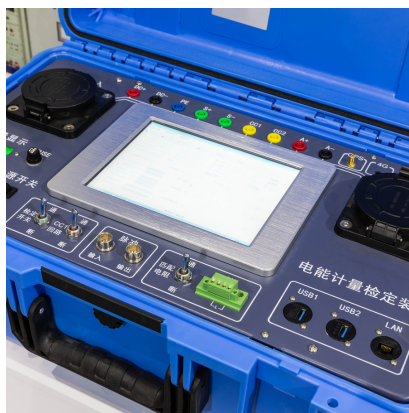
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Drive Networking and Communication Protocols:

- Covers communication protocols used for networked drives and VFDs, including Ethernet, Modbus, Profibus, and industrial networking principles.



Drive Efficiency and Energy Optimization:

- Training on strategies to optimize drive and VFD performance, improve energy efficiency, and reduce operating costs.

Drive Retrofitting and Modernization:

- Addresses the retrofitting of existing drive systems with modern components, VFDs, and automation technologies to improve performance and efficiency.



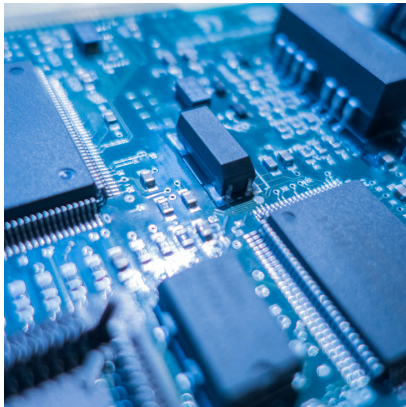
Drive Troubleshooting and Repairs:

- Covers diagnosing and repairing drive and VFD issues, including fault identification, troubleshooting techniques, and basic repair procedures.



Drive Environmental Compliance:

- Addresses environmental regulations and best practices related to drive and VFD operation, energy efficiency, emissions control, and waste management.



Power Electronics and Semiconductor Devices:

- Provides an understanding of power electronics and semiconductor devices used in drives and VFDs, including diodes, transistors, and thyristors.

Why Choose Pertechnica 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.

