

Your contact for questions



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Why Würth Industrie Service?

- More than 1 million items in the product range
- Modular C-Parts Solutions
- International operations in 84 countries
- Expertise in the C-Parts Management business
- Manufacturing expertise
- More than ten manufacturing companies in the group
- Expertise in various production processes
- Technical support
- Holistic C-Parts Management
- Innovative logistics concepts
- Industry-specific know-how
- Initial samples according to PPF or PPAP (VDA/AIAG)
- DIN EN ISO/IEC 17025-certified in-house test laboratory
- Optimized process geared to special parts
- CAD database, CAD workplaces

TECHNICAL CLEANLINESS

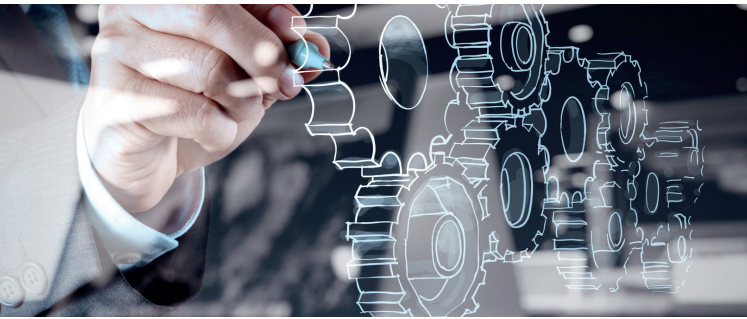
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WÜRTH Industrie Service

TECHNICAL CLEANLINESS





Technical Cleanliness at a Glance

Requirements placed on the cleanliness of components are increasing considerably, as even the smallest contaminants on component surfaces can have serious consequences in mechanical engineering, automotive manufacturing, medical systems and many other fields. The potential impact on a component's functions or safety features ranges from mere optical flaws to safety-relevant influences or disruptions.

Würth Industrie Service provides customized solutions to help its customers use truly "clean" fasteners in its assembly processes. To ensure and monitor these cleanliness requirements, Würth Industrie Service is collaborating with selected service providers and employing state-of-the-art equipment and analysis technologies.

Determining Residual Contamination on Components

Market requirements increasingly include documentation on the cleanliness of components. The high demands placed on the functionality, quality and service life of new products create the need for economically viable and environmentally compatible cleaning processes and for reliable and reproducible analysis methods.

Our services include:

- Cleaning of fasteners
- Gravimetric measurement of residual contamination
- Microscopic counting and classification according to ISO 16232 (VDA-19) or individual company specifications
- Differentiation between metallic and non-metallic particles
- Documentation of test results
- Other lab tests on request

Product-Related Services

To maintain the achieved level of cleanliness, the entire process chain must be analyzed. Requirements have to be geared to each other from manufacturing to logistics. The cleaned components can be delivered according to individual customer requirements or in a selection of our packing materials, as described below.

- Single packs
- Special packaging (blister, SLCs, bag types)
- Vacuum packaging
- Sorting, counting, weighing
- Demagnetizing
- Protection against corrosion
- Empties management
- Logistics and direct shipments