QUALITY CONTROL ENGINEER

ABOUT 3D Systems Belgium

3D Systems Belgium, formerly LayerWise, is a dynamic and leading enterprise, specialized in 3D Printing of metal components. 3D Systems Belgium is part of the international company 3D Systems.

3D Systems is a renowned developer of 3D-printers and a contract manufacturer of 3D printed parts. The synergy of both activities makes us a strong innovation partner for customers in the industrial and healthcare sectors.

We believe in a culture of open communication, supporting each other and the value of trust & respect for the individual.

JOB DESCRIPTION

Our site in Leuven Belgium is looking for a highly skilled detail-oriented engineer to support the manufacturing of products in the high tech, space, aerospace and healthcare industries.
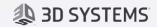The Quality Control Engineer will be the expert for (automated) inspection equipment and methods such as optical scanning and tensile testing. Furthermore, the Quality Control Engineer will support Supplier Quality activities.

RESPONSIBILITIES

- Surveil the market for new technologies in inspection methods that bring added value to parts manufacturing.
- Lead continuous improvement projects for the Quality Control department.
- Manage installation, qualification, and maintenance of inspection equipment.
- Perform training of QC personnel on the proper use and care of inspection equipment.
- Coordinate and manage the calibration of inspection equipment.
- Gain in-depth knowledge of inspection equipment and methods to support Engineering in implementing product-specific inspections, general process monitoring (SPC) and validation/qualification purposes.
- Perform Measurement System Analysis: Identify and evaluate measurement systems to ensure accuracy, precision and stability used for assessing product conformity.
- Lead risk assessments related to the inspection equipment and method through pFMEA.
- Develop new inspection methods and improve existing inspection methods.
- Diagnose and troubleshoot measurement system issues.
- Support Root Cause Investigations related to automated inspection and contribute to corrective/preventive actions.
- Create supplier nonconformities and collaborate with suppliers to resolve issues.
- Create and maintain supplier specifications to ensure quality requirements are met.
- Lead audits to verify if suppliers meet specifications or international standards such as ISO 17025, ISO 13485, ISO 9001 and EN/AS 9100.
- Lead and coordinate supplier validation activities.

PROFILE

- Bachelor's or Master's degree in engineering required.
- Strong understanding of geometric dimensioning and tolerancing.
- High proficiency and understanding of gauge repeatability and reproducibility evaluation.
- Working understanding of attribute agreement analysis.
- Prior experience programming automated inspection equipment and/or optical inspection systems (3D scanning CMM i.e. GOM/ATOS, Keyence VL; Cognex, OGP Smartscope, Keyence IM).
- Knowledge of ISO 17025 and gauge calibration requirements.

3D SYSTEMS

- Prior experience and applied understanding of gauge and fixture design and tolerancing.
- Familiarity with common hand measurement and open setup tools (e.g. transfer gauges, gauge blocks, plug gauges, thread gauges, cadillac gauge, sine plate).
- Knowledge of statistical process controls.
- Familiarity with quality system standards (ie. ISO 9001, AS9100, ISO 13485 preferred).
- Analytical mind-set and motivation for implementing improvements.
- Minimum 3 years of work experience, preferably in the healthcare, aerospace, or high-tech industry.
- Good organizational skills.
- Ability to work independently within the context of a collaborative team.
- Fluent in English, knowledge of Dutch is a plus.
- AUKOM certification is a plus.

WE OFFER
- A challenging job in a young and dynamic team.
- A competitive salary and additional non-statutory benefits.
- Career opportunities in a global company with growth opportunities.

INTERESTED?

Please send your resume and motivation mail in English to: BelgiumCareers@3dsystems.com