



MKS Instruments is a global provider of instruments, subsystems and process control solutions that measure, monitor, deliver, analyze, power and control critical parameters of advanced manufacturing processes to improve process performance and productivity for our customers. Additional information can be found at [www.mks.com](http://www.mks.com).

We are looking for a **Sr Manager, Quality & Reliability Engineering** (f/m/d) for our Rankweil laser division with demonstrated abilities to collaborate with cross functional teams to promote quality goals, achieve organizational objectives and to drive continuous improvement. You will use your exceptional quality assurance experience developing and implementing quality strategies to ensure operational performance while complying with all relevant standards.

What you will do is:

- Prepare and present monthly management reviews for leadership team and the Lasers Business Unit
- Analyze customer returns and failure rates data and provide trending analysis. Update Quality Metrics and review repair data for accuracy, determine root cause and CAPA (corrective and preventive actions) with a focus on systemic improvements.
- Identify and further develop KPI's (key performance indicators) within the business to help drive improvements and Operational Excellence.
- Lead Quality Improvement Teams (QIT) with cross-functional stakeholders (engineering, manufacturing, field service, safety). Lead and support cross-functional failure investigations to identify root cause and corrective and preventative action utilizing advanced problem-solving tools (8D, 5 Why, K-T) for early NPI Beta systems
- Interface with design engineering, manufacturing, technical service and marketing organizations to establish customer use conditions, reliability test conditions, and test plans.
- Participate and provide input in design reviews focused on reliability concerns, critical components, potential wear out failure modes, etc.

Your profile:

- BS or MS Degree in Engineering or physics or related disciplines with 10 years minimum industry experience. 5+ years of related industry experience (Laser, semiconductor, photonics). Experience working with High Power Industrial Lasers or Industrial processing equipment, electronic component failure mechanisms and physics of failure is preferred.
- Strong knowledge in assessing the maturity of quality management systems and deep familiarity with ISO 9001-2015, ISO 17025 and ISO 14385.
- Effective and thorough knowledge of quality improvement tools, including, but not limited to Design quality tools, including D/PFMEA, DFX, Poke-yoke, New Product Introduction. Statistical decision-making methods including process capability analysis and DoE. Problem solving tools (8D, K-T and 5-Why?).
- Ability to use statistical analysis tools such as Minitab, SAS, Reliasoft Weibull.
- Fluent in German and English.

What we offer:

- Global environment at one of the market leaders in the field of short pulse lasers
- Modern location (where others go on holiday with a view of the Alps)
- Motivated employees in a collegial atmosphere
- Responsible task with leadership responsibility
- Attractive salary structure and special benefits

We are looking forward to your application!