
MARKUS HOFFMANN

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PROFILE

Mechanical engineer with ten years designing precision mechanisms in regulated industries, the last five in surgical devices. I ship designs that survive verification, and I write the documentation that proves why.

EXPERIENCE

Senior Mechanical Engineer

MEDITEC INSTRUMENTS GMBH

2021 — Present

- Lead mechanical design for a laparoscopic grasper platform: concept to design transfer in 22 months, zero major findings in the notified-body audit
- Own tolerance analysis and DFM for assemblies with 40+ precision parts; cut unit cost 18% through supplier co-development
- Mentor two engineers; wrote the team's CAD and design-history documentation standards under ISO 13485

Mechanical Engineer

BOSCH AUTOMOTIVE STEERING

2016 — 2021

- Designed steering-column mechanisms under automotive functional-safety requirements (ISO 26262)
- Led root-cause analysis for a field failure affecting 30k units; corrective design adopted across the platform

EDUCATION

M.Sc. Mechanical Engineering

TECHNICAL UNIVERSITY OF MUNICH

2014 — 2016

B.Sc. Mechanical Engineering

RWTH AACHEN UNIVERSITY

2011 — 2014

SKILLS

Design: Precision mechanisms, tolerance analysis, DFM, SolidWorks, GD&T, materials selection

Regulatory: ISO 13485 design controls, ISO 14971 risk management, design transfer, notified-body audits

Languages: German (native), English (fluent)