

Rudolf Székely

MANUFACTURING ENGINEERING

Process Improvement • Supplier Development
Small Engineering Team Leadership

Mechanical engineer with over 25 years of industrial experience. My core strength is machining technology, complemented by assembly process improvement and supplier development. I solve manufacturing problems, deliver improvement projects and lead small engineering teams.

PROFESSIONAL EXPERIENCE

2025 - October 2026

Beurer Hungaria Ltd.

Technical Manager

Coordinated a 13-person engineering and maintenance team, technical investments and automation; controlled costs and contributed to annual budget planning.

Introduced maintenance inventory management and enhanced preventive maintenance. Packaging improvements and task redistribution reduced production-line staffing from eight to six people per shift.

2023 - 2025

Valeo Auto-Electric Hungary

Continuous Improvement and Industrial Project Manager

Led cross-functional Lean and cost-reduction projects; MTM, OEE, value-stream analysis, layout optimisation and SMED workshops. Reported project progress and results to senior management monthly.

Delivered over EUR 500,000 in savings through cross-functional projects. Transferred a camera production line from Ireland to Hungary and increased its capacity by 22% through scrap and downtime reduction.

2022 - 2023

Refu Hungary

Production and Engineering Manager

Built manufacturing from pilot to series production; coordinated 50 production employees and three engineers, planned capacity and established performance measures.

Ramped up production headcount from 10 to 50, established two-shift operation and developed an employee motivation system.



CONTACT

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EXPERTISE

Machining processes

Assembly process
improvement

Supplier development

Technical project leadership

Small engineering team
leadership

Quality and cost efficiency

LANGUAGES

English | B2
Romanian | B1

DRIVING LICENCE

Categories B and C

Rudolf Székely

TECHNICAL EXPERIENCE AND QUALIFICATIONS

2016 - 2022

DENSO Manufacturing Hungary

Supplier Development Team Manager

Led supplier engineering and project teams; improved machining and assembly processes, cycle times, OEE and scrap. Coordinated new part and process introductions (ISIR, APQP, PPAP); evaluated and validated process changes (CR) and deviation requests (DR).

In a supplier injector-assembly project, process and specification changes and coating improvements achieved EUR 240,000 in annual manufacturing cost savings.

2008 - 2016

DENSO Manufacturing Hungary

Engineering Group Leader

Led engineering support for diesel injection machining and assembly. Coordinated NPI, OEE, capacity and quality improvement, Control Plans and FMEA, outsourcing and production-line transfers.

In 2013, process redesign incorporating gun drilling increased the capacity of an outsourced production line by 15%. Coordinated cutting-tool and coolant cost-reduction projects.

2001 - 2008

DENSO Manufacturing Hungary

Process Engineer

Production support and quality root-cause analysis; CNC programming, fixture and measuring-tool design, special-purpose machine design coordination. Introduced technologies, maintained PCC/FMEA and prepared lines for customer audits.

In 2005, developed new electrochemical deburring equipment and technology together with the team.

EARLIER EXPERIENCE

2001 | Brooks Instrument, Netherlands - Process Engineer: mass-flow meter production support and calibration, quality problem-solving.

1998 - 2000 | Videoton Autóelektronika / Texas Instruments project - Process Engineer: relay production support, maintenance coordination and process documentation.

EDUCATION

1998 - 2004 | Technical University of Budapest - Mechanical Engineering Diploma (okleveles gépészmérnök); automotive manufacturing and repair specialisation.

1994 - 1998 | Szolnok Air Force College - Aircraft Mechanical Engineer; airframe and engine specialisation.

METHODS AND TOOLS

Lean • OEE • SMED • Value-stream analysis • NPI
APQP • PPAP • PSW • MSA • 8D • FMEA • SPC
AutoCAD • Microsoft Office 365 • Visio

Training: SPC, 8D, FMEA (2003); APQP, PLC, CNC (2004).