



Ákos Töttös

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Mechanical Engineer –
Machine Designer of Automated
Manufacturing Equipments



EXPERIENCE

FREELANCER MECHANICAL ENGINEER –

2019 -

MACHINE DESIGNER OF AUTOMATED MANUFACTURING
EQUIPMENTS

- working out mechanical solutions for automation tasks
- mechanical designing of complete manufacturing machines
- finding the most suitable commercial pneumatic and mechanical parts for the machines from the automation parts market
- optimizing machine design, keeping cost-effectiveness and usability in mind
- taking care of keeping manufacturing of customized mechanical parts as easy as possible
- making pneumatic plans
- making 3D models and technical drawings of customized mechanical parts and framing complete documentation about them, ready-for-machinig
- developing existing machines with all points defined above

ARH ZRT. – MACHINE/ROBOT CELL DESIGNER

2017 - 2019

- planning automated producing/assembling processes of cameras and ID card readers
- working out conception of automated robot cells
- mechanical and pneumatic design of particular modules
- designing feeder mechanisms of parts
- making complete layouts of automated robot cells
- working together in designing with programmer and electrical engineer colleges
- designing, modelling and drawing customized mechanical parts and framing them in complete documentation for manufacturing partners
- working together with manufacturing partners
- defining, choosing and ordering proper commercial mechanical and pneumatic parts
- assembling, installing, testing, developing, debugging new robot cells
- developing products in cooperation with development team
- participating in project leading tasks

CONTINENTAL AUTOMOTIVE HUNGARY KFT. -

2011 -2017

PROCESS ENGINEER

- specification of new, automated machines for machine suppliers
- taking part of designing new machines with machine suppliers
- mechanical and pneumatic designing of new machines, and building them independently
- mechanical and pneumatical developing and rebuilding existing machines and tools
- developing software and electrical system of existing machines, together with colleges and suppliers
- designing, building, operating machines
- making 3D models and drawings of new mechanical parts- and making them produced
- installations of machines – making schedules, organizing and leading machine installation projects
- solving machine problems in production
- training and supporting technicians
- supporting production and maintenance, developing processes, making operational/maintenance documentations
- supplying spare parts of machines
- communicating with local and international teams daily



EDUCATION

BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS
TRAFFIC ENGINEERING – MECHANICAL ENGINEERING
Masters degree, Automotive engineering technology

2005-2011

KADA ELEK SECONDARY SCHOOL OF ECONOMICS

2001-2005



SKILLS, ABILITIES

CAD AND FEM SOFTWARES

Solid Edge, Solid Works, Autodesk Inventor, Pro E, Creo, Femap

INDUSTRIAL TOOL AND SOFTWARE KNOWLEDGE

Cognex industrial cameras and software, BAR code readers and softwares

FESTO, SMC and HAFNER pneumatic tools and parts

LANGUAGE

English – active, using every day (language exam – intermediate level)

OTHER

Advanced knowledge of MS Office (using every day)

Driving licence, category B (2003) – using regularly