



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

CONTINENTAL AUTOMOTIVE HUNGARY KFT. -

2011 -2017

PROCESS ENGINEER

- specification of new, automated machines for machine suppliers
- mechanical and pneumatic designing of new/existing machines, and building/rebuilding them independently
- designing, building, operating machines
- making 3D models and drawings of new mechanical parts- and making them produced
- installations of machines
- solving machine problems in production
- training and supporting technicians
- supporting production and maintenance
- supplying spare parts of machines
- communicating with local and international teams daily



EDUCATION

BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS

2005-2011

TRAFFIC ENGINEERING – MECHANICAL ENGINEERING

Masters degree, Automotive engineering technology

KADA ELEK SECONDARY SCHOOL OF ECONOMICS

2001-2005



SKILLS,

ABILITIES

DESIGNING COMPLETE MACHINES AND FIXTURES FROM SCRATCH

WORKING OUT CONCEPTIONS FOR MECHANICAL TASKS

MAKING CALCULATIONS - DIMENSIONING / SIZING

3D MODELLING PARTS AND ASSEMBLIES

CHECKING 3D MODELLS USING SIMULATIONS / FEM-ANALYSIS

SELECTING SUITABLE COMMERCIAL PARTS FROM THE MARKET

MAKING COMPLETE 2D DOCUMENTATION FOR MANUFACTURING PARTS AND FOR ASSEMBLING THEM

PLANNING COMPLETE PNEUMATIC SYSTEMS

DEVELOPING EXISTING MACHINES / PARTS

ASSEMBLING PHYSICAL PARTS

CAD AND FEM SOFTWARES

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

LANGUAGE

English - active (language exam – intermediate level)

German - active (B1-B2)

OTHER

Advanced knowledge of MS Office

Driving licence, category B (2003)