

Bachelor Thesis UVTE 2019/2020

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| Gross Lukáš | Design of the wind wheel with the gear mechanism - project of the reduced functional model of the well with water pump for wind power |
| Javor Dávid | Hybrid manufacturing systems |
| Hrica Timotej | Design fixtures for clamping KZK cages on machine Mazak Integrex |
| Černušák Dušan | Application of biomaterials using additive manufacturing technology |
| Chudovský Peter | Rationalization of tothing production on selected bearing types |
| Bilý Jakub | Clamping methods |
| Bitter Miloš | Production of parts through 3D metal printing |
| Blaho Tomáš | Assembly design bottom bracket |
| Gaža Peter | Automation of control workplace |
| Gracik Tomáš | Welding parameters monitoring systems of arc welding methods |
| Levický Tomáš | Extended lifetime of diaphragm pump during operation |
| Lesay Stanislav | Utilization of CA technologies for design and manufacturing of radiator |
| Lišaník Samuel | Progressive methods of joining components in assembly using screw connections |
| Letko Andrej | Finishing of complex shaped parts |
| Ružička Jozef | The light metal alloy forming processes analysis |
| Rubaninský Nicolas | Utilization of CA technologies in design and simulation of handlebar holder production |

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| Remiš Peter Richnák Tomáš | Rotary ultrasonic machining in medical application Part modeling using generative design |
| Szabóová Henrieta | Analysis of the laser beam welding method of stainless steel to copper |
| Stiller Matúš | Additive manufacturing of aluminium alloy components by arc overlay welding |
| Vizváry Zdenko | Cooling during synchronous rings grinding |
| Večerová Michaela | Geometry of cutting tools |
| Vittek Michal | Trends in the Production Logistics field: the role of simulation methods and software with special focus on TecnoMatix Plant Simulation |
| Maliarik Ondrej | improve technological manufacturing sequence of chosen component |
| Gábris Alexander | Utilization of CAx softwares in design and simulation of machining a selected component |
| Đuroška Lukáš | Design of passenger car engine assembly |
| Filo Jaroslav | Manufacturing of cutting tools by means of grinding and cutting edge preparation |
| Fodora Peter | Trends in machining, machine tools and their programming |
| Lesay Adrián | Surfaces analysing for milling tools |
| Kubek Patrik | Design and simulation of tool production in CAD / CAM |
| Kutej Michal | Creating macros |
| Lederleitner Marek Nižňan Peter | Reverse modelling in CAD software Fusion 360 Possibilities of using the education robot Dobot Magician |
| Štvrtecký Miroslav | Electro-pneumatic control circuit for a bending device |
| Tarčák Martin | Proposal of joining methods of rotary segments |
| Šoltýs Kamil | Additive systems and 3D printing automation |

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| Švorc Martin | Automation process design of manual workplace |
| Špalek Marek | Design of roller conveyor assembly |
| Žúrek Mário | Sensory equipment of selected devices |
| Zemko Filip | Design of robotized workplace in RobotStudio simulation software |
| Vyskoč Kamil | Thread manufacture on selected part |
| Kopčanová Lucia | Study of solderability of stainless steels to copper |
| Köttner miloš | Theoretical analysis of seamless tubes production processes |
| Kotian Martin | Design of production line module with assembly robot |
| Marcinek Jakub | Design of assembly procedure for grape harvesting equipment |
| Majtán Dominik | Design and creation of solid carbide mill model in CAD software |
| Madaj Marek | Manufacturing of precision holes using Fused Deposition Modelling technology |
| Poláčik Martin | Creation of e-learning modules for innovative education in pneumatic control laboratory |
| Podolská Jana | Design and manufacturing of preparation for tube forming |
| Račák Miroslav | Design of production device control via PLC Allen Bradley |
| Schmidt Samuel | Surfaces analysing for drilling tools |
| Bordáč Ondrej | Analyse of material rest influence for grinding process of synchronous ring |
| Bulák Jozef | Designig a Shaft Junction with the Band Conveyor Drum |
| Bögy Gergely | Rationalization of the rear lid production on CNC machines |
| Hollý Lukáš | Theoretical study of laser machining processes |
| Jakubička Marek | Influence of NC paths on the feed rate for milling |

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| Janček Martin | Design of automatic drilling station |
| Pavlík Andrej | Utilizing digital tools of augmented and virtual reality in production factory |
| Paluš Tomáš | Design of piping assembly |
| Augustovičová Martina | The rationalization of drop forging production in conditions of HKS Forge, s.r.o. |
| Backo Peter | Machine tools and cutting tools for rotary ultrasonic machining |
| Babiš Matej | Construction of a thermoplastic injection mould |
| Deters Matúš | Design and creation of solid carbide mill model in CAD software |
| Drmlík Ľudovít | Technology of Broaching |
| Dian Filip | Design of the tool for bearing pressing into the bicycle frames |
| Kalafut Daniel | Laser polishing of additive manufacture Ti surfaces |
| Klein Richard | Automation of a workplace for baguette production |
| Kochan Michal | Machine selection for grinding operations on a given part |
| Mišovec Pavol | Design of the assembly process for the short-barrelled firearm Glock 26 |
| Mikulička Martin | Advanced manufacturing technology for biomedical applications |
| Toth Alexander | Computer aided design of injection molding tools |
| Vallašek Jozef | Design of robotic arm |
| Bardáč Peter | Stylus ball diameter effect on the position tolerances evaluation measured on CMM |
| Beňo Dominik | Design of a tool for bending copper tubes |

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| Belko Maroš | Design of soldering method for composite materials |
| Burian Dominik | Construction design of a jig extending the possibility of clamping rotary components to Diffractometer HZG4 |
| Csekei Martin | Design of pneumatic clamping device |
| Čobrda Viktor | Design of pneumatic clamping device |
| Cíbik Marcel | Comparison of the CAM strategies for complex surface milling |
| Mihálik Tomáš | Design of pneumatic gripping device |
| Masaryk Simeon | Replacement of aluminum carbide tools coated with ALCrN with FeinAl |
| Matovič Dávid | Design of Robotic Arm Assembly |
| Mazúr Lukáš | Design of Robotic Arm Assembly |
| Medlen Dávid | Coating Design of Punch and Die for Brake Washers |
| Kolibijár Michal | Utilization of CA technologies in design and production of injection mold |