

Thesis UVTE 2019/2020

Hnilica Martin	Design of mathematical model of butt weld joint made of stainless steel and copper by laser beam
Kozár Tomáš	Proposal electron beam welding parameters of INCONEL alloy
Ďuriš Ondrej	Assembly optimization of the dual mass flywheel in ZF Slovakia, Department of Prototypes Production
Vajla Marek	Utilisation of CA technologies and design of assembly of selected engineering product in PROTHERM PRODUCTION, s.r.o.
Čepela Peter	Computer aided design of tool on set production
Kamenszká Adriana	Proposal of rationalization measures at selected assembly workplace
Kalnássy Ivan	Design and simulation of robotic workplace for automobile body welding
Kapsová Soňa	Proposal of welding method and equipment for welding of flanges
Keleši Roland	Design of temperature measurement during machining
Koleňák Martin	Reverse engineering of the rear part of a car
Kňážek Jakub	Design of iCIM 3000 input-output position expansion in Process Simulate software
Kokoš Maroš	Design of the workplace with collaborative robot for the CNC machine tending
Končítý Pavol	Design of autonomous solution of moving and pressing head of inner ring with inclined transport plane using 3D print
Kopiar Michael	Design and simulation of automated workplace for welding of stampings
Komúrka Martin	Design assembly of cable harnesses
Kormúth Filip	Design of testing workplace for technical system
Korec Stanislav	Design of a new layout and material flow conception due to the purposes of production expansion in the production line ZM-MAG of the production plant ZF Slovakia, a.s., Trnava
Kovačocy Patrik	Influence of overlaying parameters on forging tool life time after its renovation

Kováč Milan	Use of CA technologies in the conditions of CNC milling s.r.o. Bratislava
Krchnavý Marek	Analysis of the deployment of multipurpose assembly and other ones equipments into the production process at BOGE at BOGE Elastmetall Slovakia a.s.Trnava
Krajči Roland	Cutting edge preparation of the cutting inserts made from CBN
Kubisová Daša	Proposition of welding technology for Cu-Al transition parts for electrotechnical industry
Kuric Dominik	Design of robotic workstation for the station of the output control of direction indicators
Kuchárik Jozef	Influence of reverse modelling on quality of 3D model
Mihalovič Miroslav	Material flow improvement based on the implementation of a mobile robot in a production line linke PO536 - porsche of the factory Faurecia s.r.o., Hlohovec
Masár Patrik	Analysis of 2D and 3D numerical simulation results for seamless tube drawing in DEFORM software
Martinek Filip	Reverse engineering of rotary cutting tools
Meluš Tomáš	Laser/ultrasound hybrid soldering of ceramic materials
Nikodem Michal	The use of computer aided for production and dimensional inspection of gas meter connection in the company Klimstahl, s.r.o.
Ondrejmiška Dávid	The rationalization of pressed part production in conditions of HP Strojárne, s. r. o.
Ondicová Miroslava	The rationalization of pressed part production in conditions of HP Strojárne, s. r. o.
Papp Ján	The rationalization of drop forging production in conditions of HKS Forge, s.r.o.
Polák Matúš	Concept design of automation measurement of the pitch circle at cylindrical bearing
Pluhár Alexej	Electron beam soldering using active solder alloys
Potúček Milan	Design and development of universal gripping system for headlights
Skýpala Richard	Design and development of universal gripping system for headlights

Sekera Martin	Design of the tool for machining damaged sealing surfaces of steam generator in NPP type VVER 440
Lipár Tomáš	Design of welding parameters for laser welding of Ni and Ti
Levák Michal	Design of jig for assembly of sub-groups of timber houses
Liko Radovan	Proposal of welding method and equipment for welding of aluminium components
Lašo Maroš	Computer aided of cutting fluids monitoring
Mikláš Stanislav	Analysis and improvement of the production performance of a robotic workstation dedicated to the production of measuring devices for the BK polymer
Michálik Miroslav Michalec Martin	Design of hybrid manufacturing system (subtractive part) Balancing of cutting tools
Nguyen Dávid	Research of selected thermoplastic materials and their influence on the dimensional accuracy of the selected component in the process of Fused Deposition Modeling
Neštický Jakub	Laser beam welding of copper - stainless steel lap joints
Pacalaj Lukáš	Optimization of the technological process of engraving and marking of metal material by using of Bodor BCL-X1309 equipment
Petráš Martin	Design of assembly of injection molding machines
Remiaš Dušan	Design of welding jig for welding the steel cap of the Kaiser municipal vehicle tank
Líška Jakub	Utilization of CA technologies for selected shape-complex product
Macháč Tomáš	Design of hybrid manufacturing system (additive part)
Machala Erik	Design of hybrid manufacturing system (additive part)
Minárech Ivan	Design of the glass mold and influence of proposed renovation technology on its durability in manufacturing
Nagy Peter	Complex measurement of selected parts in the GOM Inspect software
Mlynarčíková Marcel	Complex measurement of selected parts in the GOM Inspect software
Mozolík Martin	Design of production and assembly of jig for machining

Petráš Tomáš	The influence of size of cutting edge microgeometry on the monitored values
Straka Robert	Observation of selected aspects in turning difficult-to-cut materials with respect to the cutting edge preparation
Slováková Monika	Analysis of case production possibilities in conditions of KONŠTRUKTA - TireTech, a. s.
Sobčák Dominik	Porosity evaluation of plastic parts by Computed Tomography
Šatka Filip	Utilization of CA technologies in design and production for selected utility equipment
Špániková Monika	Reducing the porosity of welded joints made of aluminum alloys using a laser beam
Šedovič Viliam	Reducing the porosity of welded joints made of aluminum alloys using a laser beam
Šturcel Roman	Reducing the porosity of welded joints made of aluminum alloys using a laser beam
Škoviera Radovan	Research of electron beam welding of Ni a Ti
Tomčíková Ema	Vplyv posunu laserového lúča na mikroštruktúru a mechanické vlastnosti zvarových spojov medi a austenitickej nehrdzavejúcej ocele.
Totka Ľuboš	Simulation of robotic workplace for handling operation
Tomášik Andrej	Rail welding by Innershield method
Valentová Andrea	Rail welding by Innershield method
Vincze Samuel	Computer aided of cutting fluids monitoring
Vicianová Andrea	Process of Internal Complaints in MTA SLOVAKIA Ltd.
Woznica Andrej	Laser beam welding of Inconel
Zajíček Ivo	Solution of S/R screwing joint realization, with focus to the product diversity, for specific working post of rear-wheel-unit assembly line
Zamborský Tomáš	Proposal of rationalization of creation of working instructions at selected workplace in the Faurecia Seating Trnava Ltd.
Zifčák Ján	Design of automation for synchronous ring orientation in packaging at Schaeffler s.r.o.

Zubáň Peter	Rationalization of the milling production process
Šugra Filip	Rationalization of the milling production process
Žovinec Juraj	Automate assembly and drawing creation with PTC Creo Parametric CAD software
Semrová Klaudia	Determination of the standards for die cutting corrugated board under conditions of GRAFOBAL, a.s.
Repa Roman	Utilization of CA technologies in design of technological robotic workplace
Galko Patrik	The edge preparation of cutting tools by drag finishing
Kuril Lukáš	Computer aided preparation and analysis of rubber compositions properties
Kováčik Juraj	The modelling of special cutting tools
Blaha Jakub	Influence of the density of the internal structure of the FDM process on the dimensional accuracy of the selected component
Barták Martin	Comparison of the machining by ultrasonic cutting tool with and without ultrasound
Drgoň Martin	Machining of ceramic material by rotary ultrasonic machining at high cutting speeds
Čmela Matúš	Machining of ceramic material by rotary ultrasonic machining at high cutting speeds
Gross Jaroslav	Electron beam welding of copper - stainless steel lap joints
Horváth Jozef	Virtual commissioning basic elements in the program TecnoMatix Plant Simulation: Case study using a SiL strategy
Boroš Ján	Welding of transit gas pipelines
Hanuliak Lukáš	Design and implementation of gearbox for drag equipment
Jedinák Michal	Increasing the life of the cutting material
Denko Michal	Creation of reverse model of parts
Böhm Peter	Computer Aided of Implementation of augmented reality in the deployment of production devices
Cívik Marek	Computer aided design of mould on injection moulding

Dobrowský Patrik	Design and production of injection moulding tools with additives technologies utilization
Helt Peter	Process of supplier complaints in PROTHERM PRODUCTION Ltd.
Boďa Róbert	Design of a robotic gripper designed for manipulation with the gearbox cover
Andelek Lukáš	Simulation of the workplace process with a collaborative robot with Bizzcom
Červeňan Roman	Innovation of material flow on assembly line in MTA Slovakia s.r.o.
Harsanyiová Jana	Research of laser beam welding of stainless steel to copper
Čuhák Marek	Simulation techniques and methods in machining
Galko Frederik	Design and manufacturing parts for drag finishing machine
Hais Jan	Design of mobile equipment for inspection of piping systems
Ciutti Adrián	Wire and Arc Additive Manufacturing of Components from Aluminium Alloys
Ježík Peter	Influence of heat treatment of a component on dimensional accuracy
Ambušová Eva	Gradual implementation of modern creep-resistant steels
Dávidek Jozef	Design of an automated workplace in the environment of Process Simulate software
Horváth Šimon	Design of production cell robotization for bonding process