

Master theses

- Miklo, M.:** Desing of control program by PLC FEC FST 640 for control process of assembly – diassembly realised on „Pick and Place“ manipulator
- Holková, V.:** Design a device for stirring
- Klč, J.:** Analysis of Stress-strain State of Large Plastic Components Suspended in Tanks
- Margušová, S.:** Proposal of robotized assembly workplace
- Petr, M.:** Forming Welded Blanks
- Čunderlík, D.:** Programming of the electric gripper LEHS32K3-8-R16P1 based on the selected type of component base
- Zima, M.:** Innovation of device for straightening and tripping wire for the company MACCAFERRI CENTRAL EUROPE s.r.o
- Horváth, M.:** Create a User Manual for Programming Industrial Angular Robot Mitsubishi RV-2SD
- Németh, B.:** Exchange (reconstruction) control system for Coating drum No.12
- Jandík, V.:** Programming of electric gripper LEHF20-K2-48-R5 based on chosen type of component
- Dobšovič, M.:** Proposal for automated workplaces for production forming
- Rogel, A.:** Evaluation of autogenous welded specimens of stainless duplex steel by electron beam welding at different beam focusing
- Ander, J.:** The influence of oscillation of the electron beam welding for the quality of welds from duplex steel
- Babštová, M.:** Design of handling gripper for replacement of products
- Hrudka, T.:** Control of tool for plastic joining using vibration technology
- Šulhin, M.:** Proposal procedure methodology of creating NC programs for prismatic components in CATIA intended for system Sinumeric 840D
- Singhofer, T.:** A design of filling machine for the bearing production
- Uhlík, R.:** Creation of NC Programs for Rotating Components for Sinumetric 840D System within the CATIA Framework
- Polaček, R.:** Proposed a methodology for introducing new parts to production on the production system ICIM
- Nemcová, K.:** Layout improvement and simulation of new material scenarios in a flexible manufacturing cell
- Mihálová, Z.:** Proposal of assembly tool for door seals and stabilization of assembly process in the enterprise PCA Slovakia s.r.o.
- Hmiráková, J.:** Creation of kinematics mechanisms in the system CATIA V5
- Charvát, M.:** Proposal station automated checkout functionality headlamps
- Dvonč, B.:** Design a detection system of heating connectors assembly for automotive rear glasses for workstation of manual assembly
- Vajová, A.:** Measuring of steam pipeline wall thickness by ultrasonic method
- Zubka, F.:** Proposal for a 3D model and design a security vault in Solidworks
- Nádaský, T.:** Determination of Material Properties Using Modal Analysis
- Ondrovič, D.:** Design and realization of arrangements for the device Tribotestor N'89 for realization of a test sliding pairs with low coefficient of friction
- Pálová, E.:** The effectiveness of logistic systems aided in material transport in Slovenské Cukrovary Company, Sered'
- Gulaba, M.:** Determination of selected properties of Zn-Al based solder alloys
- Makarský, M.:** Optimalization, design and implementation maintenance of pleating machine
- Šteruská, B.:** eassessment frequency of regular maintenance and maintenance planning system for equipment TEB in Freudenberg Filtration Technologies Slovakia s.r.o., Potvorice

Ormandy, R.: Wettability of special alloys which are heated by electron beam
Szőcs, B.: The wettability of solder alloy during heating with laser beam
Vlček, S.: DESIGN OF THE ASSEMBLY LINE FOR SCANNER AS4.1
Vizváry, M.: Determination of the slide pair friction factor depending on the lubricant type
Holosoová, V.: Experimental methods for measuring the voltage
Berová, M.: Laser welding of austenitic stainless steel
Scheip, S.: Laser welding of magnesium alloys
Huťka, P.: Laser welding of coated sheets
Kamzík, J.: Effect of the shielding atmosphere on laser welding of aluminium alloy
Michalka, J.: Laser welding of aluminum alloy AlMg3
Šipoš, I.: Redundancy strategies of critical important subsystems of manufacturing systems
Tóth, G.: Models of iCIM system reliability using in UVTE laboratory
Bošňák, Š.: Design and verification of bevel cutting system for cutting by fiber laser
Rovný, D.: Reactor pressure vessel parting line head gasket type change
Kočíšková, P.: The proposal of automation applying of primer to automotive glass
Kochan, T.: Classification and coding of manufacturing and assembly set for studying system iCIM 3000
Matura, A.: Proposal of automated assembly workplace with camera control based on specified assembly kit
Lukačovič, A.: Effect of welding speed solid-state lasers for penetrations properties of duplex steels
Varga, F.: Effect of duplex steels electron beam welding speed on the quality of weld joints
Palkovič, M.: The design of transporting parts into the workspace of the EDM machine
Adamcová, N.: Research of laser beam oscillation influence on the properties of duplex stainless steels autogenous created by laser
Šišolák, K.: Reducing torsional oscillations of rotor with application of dynamic damper
Sládeček, I.: Betterment in-process logistics and cut-down of stocks by Knaban system in the company Reutter SK s.r.o.
Jakubičková, B.: Analysis of dynamic properties of disc brake with both sided lining
Sýkora, L.: Introduction of electronic kanban cards for welding workshop New Small Family of vehicles in the factory Volkswagen Slovakia, a.s.
Bučka, V.: Use of numerical simulation for the design of the parameters of laser welding rotary component
Kaprinay, A.: Design of a Wire Fastening Jig for Long-Term Test Purposes
Uher, O.: Design of the bearing chamber's assembling rationalization in ŽOS Trnava, Inc.
Bileková, A.: Influence of Cutting Environments on Cutting Tool Life
Škuta, T.: The influence of environment on cutting energy intensity of the cutting process
Klč, R.: Design and analysis of induction hardening processes using numerical simulation
Szewcyk, T.: Research of laser welding components for automotive industry
Frnčík, M.: Modification of tribological properties of tool steels by laser surface texturing
Ligo, M.: Effect of laser micromachining parameters on material removal rate and the quality of machined surface
Pavlus, L.: Laser-textured surfaces
Danišová, A.: Welding procedure specification draft for earth moving machine components in conditions of the joint stock company CSM Tisovec, a.s.
Moravcová, M.: Non-destructive inspection of duplex steels welded by laser beam
Poništ, T.: Non-destructive inspection of duplex steels welded by electron beam
Šišoláková, M.: Welding of thin sheets from duplex stainless steel using fiber laser
Babušek, R.: Optimization of the parameters for cutting cemented carbides by WEDM technology
Frnčík, O.: The effect of generator's parameters on the stability of WEDM process

Poništ, M.: The impact of clamping to tool wear.

Guzlej, J.: Effect of the parameters of generator on quality of machined surface by using WEDM

Hoboth, B.: Influence of oxide layer on the properties of magnesium alloy welded joints produced with disk laser

Zvolenský, T.: Application of laser beam preheating before welding of AZ 31 magnesium alloy

Šild, J.: Study of mechanical properties and corrosion resistance of welded joints of Mg alloy

Žitňanská, M.: Disk laser welding of ZE 10 magnesium alloy

Cibulka, S.: Optimisation of welding parameters of high carbon steel wire

Felčirová, S.: Designing and production of welded frame for fitness equipment

Hulač, A.: Designing and production of welded bicycle frame

Kako, M.: Welding alloyed steels and unalloyed steels with laser beam

Kuhajdová, A.: The effect of multiple local repairs on the mechanical properties of weld joint of T24 steel

Vachálek, J.: Computer Aided ultrasonic machining

Kováč, J.: Design and manufacturing shear pin lead in INA Skalica enterprise

Očenáš, M.: Audiovisual support for creating CAD models from polygonal mesh

Meluš, R.: Design of computer support for more efficient use of stocks

Čillík, T.: Optimization of bending process of CrNi tubes by corrections obtained from 3D measurement

Pirník, M.: Prototype support using 3D scanning

Henček, M.: Designing a measuring programme for a shape-difficult part

Duga, M.: Output control of the fuel distribution using 3D measuring system

Kollár, M.: Proposal of optimization of hydraulic hopper assembly in the company HF NaJUS, a.s.

Puvák, Š.: The structural design in the company Semikron, s.r.o. Vrbové

Palček, P.: Desing and Analysis modular gripping system in the automotive industry

Miklošovičová, Z.: The suggestion of automation of segment machine for clutch discs with composite friction lining

Samko, D.: The impact of parameters of sensor at the touch measurement on the measurement results

Porubská, Z.: Capability of the measuring machine DEA Classic Silver Edition Global 09.20.08 in the company Emerson

Lehotský, E.: Using Wiper geometry of replaceable cutting insert when machining in CE-tech company ltd.

Bát'a, M.: Design and manufacture of measuring equipment using rapid prototyping technology

Furička, J.: Draft measuring plan for measuring of internal flange on coordinate measuring machine

Kováč, S.: Accuracy of measuring on coordinate measure machine by articulating probe head

Herda, M.: Computer aided desing for improving the process of tube drawing welded tubes from austenitic steels

Katrič, T.: Design of construction and assembly for single-purpose machine used in the automotive industry

Tillinger, T.: Cavity construction of injection mold produced by laser micro machining

Slotík, T.: Computer addied construction design and production of form for silentblok production by injection

Buček, T.: Renovation of mold for the plastics industry

Juhászová, P.: Streamlining measurement process by optical 3D scanner

Bartoš, M.: The use CA technology in processing design for the production of butt-welding end caps in the company Bohus Ltd.

Božanský, M.: Increasing efficiency in process of machining the press tool

Tvrdoň, P.: Design optimization of glass forms

Smolek, V.: Designing of device for measuring quality of glass containers

Gadošík, Z.: Innovation proposal of air conditioner frame

Hôrka, M.: Design of Testing Equipment for Hydraulic Hoists

Klačman, A.: Influence of the parameters of resistance welding on the characteristics of heat affected zone of weld joint

Polakovič, M.: PLM system design for Multi-CAD solution and implementation in a manufacturing company Tomra Sorting s.r.o.

Fritz, R.: Design of checking fixture and proposal of machining strategies for shaped parts

Trnavský, J.: Analysis and proposal for the introduction of CAM system in conditions company RKS Trenčín s.r.o.

Černek, L.: Usage of specialized software in foundry industry

Leško, M.: Optimization of assembly process of dies using CAx technologies

Porubčan, R.: Proposal for a lifting device for transfer forms in company SaarGummi Slovakia

Klučár, M.: Design of computer support for more efficient use of stocks

Tvrdoň, J.: Modeling of technological processes and properties of injection moldings of thermoplastics reinforced with short fibers

Skoták, P.: Simulation of during the profiling belt in two workstation at roll forming in software DEFORM

Čaja, R.: Measurement and determination of the accuracy of the shape and dimensions of checking fixture

Pogány, K.: Construction of anatomically shaped computer keyboard using Reverse Engineering and Rapid Prototyping

Plankóová, A.: Designing and producing of jewel box with help of computer based Technologies

Fábik, T.: Influence of cutting tool geometry on surface quality

Miklovič, P.: Dependence of wear of the cutting tool by machining strategy

Hlušková, S.: Design of production components in terms of company Metalworking CNC - Roman Fekeč

Pasztorek, Z.: Design and manufacturing of parts of remote controlled car model by Reverse Engineering and Rapid Prototyping

Jesenský, V.: Design manufacturing process to similar parts using CA systems NX

Lehotský, P.: Application of PowerShape program in the design process of components

Mikloš, J.: Use software PowerSHAPE in the design process of component

Prílesan, E.: The design and manufacture of rotary tool by grinding

Urcikán, J.: Design, manufacturing and testing of the tools for production of bearing cases

Bračík, M.: Standardization of production technology of the shank – type cutting tools

Kudláč, M.: Research on selected characteristics of the machining process of materials in the processed state

Hornák, J.: Proposal of production process and manufacturing of foundry model at company HSS – engineering s.r.o. Trnava

Duga, T.: Design of computer aided manufacturing for company JMŠŠ Ltd.

Bielich, J.: Application of numerical simulation for design robotic handling system