

Bachelor theses

- Sloboda, P.:** Renovation steel screws
- Nesnadný, J.:** Computer support of the proposal for the production of punch by laser micromachining
- Marenčík, M.:** Suggested methods of calibration instruments work
- Homola, J.:** Formability of materials and determination of deformation resistance curves
- Bočák, R.:** Design of a fit of solar panels
- Novotný, T.:** Usage of cloud points from scanned object in software Calypso
- Barbušín, M.:** Computer aided manufacturing of plastic moldings
- Kulifaj, M.:** Analysis of capability of the optical 3D scanner ATOS for size measurement
- Troška, M.:** Design and production preparation in terms of company METAL Ltd.
- Fischer, M.:** Ultrasonic machining of materials – educational video
- Šedík, M.:** Computer aided design and production of a part in company BAAS Ltd.
- Horváth, K.:** Comparison of conventional milling and milling assisted by ultrasound during machining of nickel alloy Monel
- Švantner, M.:** Comparison of conventional milling and milling with ultrasound assistance in machining of aluminium alloy type EN AW 7075
- Vetrák, M.:** Comparison of conventional milling and milling assisted by ultrasound of magnesium alloy AZ 31
- Zríny, P.:** The draft model for forging forging dies shaped gear
- Netsch, L.:** Production Design of a Chosen Component in Reverse Engineering
- Dobrý, D.:** Forging of non-ferrous alloys at the increased temperatures
- Čepko, V.:** Design of assembly of hub gear
- Kubala, M.:** The Proposal of a sump pump assembly
- Jurča, M.:** Design of assembly of heat boiler in Protherm s.r.o
- Žitniak, J.:** Design assembly fixture in the company W. Lubas Special Plastik
- Horváth, F.:** Measurement of the assembling operations
- Gergel, Z.:** Progressive methods of components connecting in the assembly by bolted fastening
- Brezovský, T.:** Dimensional chains in the assembly
- Blaško, F.:** Rationalisation of Die Forgings Production of Round Shape
- Badínka, R.:** Thermoplastic composites reinforced with long-fibers and CAE systems used at their development
- Flux, M.:** Design of assembly of the new gear shift system into gearbox for Fiat
- Matovič, M.:** Design assembly of valve station in company STABIL spol. s r.o.
- Grman, M.:** Edit forming machine designed for re-shaping of wheels for machining cars brake discs
- Hrubša, D.:** Options adjustments CAM strategy
- Lánik, F.:** Strategic CAM on manufacturing cycle of components
- Petrík, P.:** Wear of the shank cutting tools
- Németh, F.:** Possibilities of using Ultrasonic Machining in Practice
- Macko, Ľ.:** The design of the forming tool with using computer aided Technologies
- Gabriš, J.:** CAE systems in the process of injection molding
- Varga, P.:** Design of a injection mold in the CAD medium
- Sollár, L.:** Modification of the painting frame
- Gatyáš, M.:** Practical use of welding technologies for the production of stratified heat storage tank
- Rybecký, A.:** Properties and use of solders based Zn

Štancel, R.: FSW of heavily welded steels by FSW
Králus, P.: Analysis of powertrain components of cars by FEM
Lazár, B.: Simulation of a heat treatment component by using finite element method
Zduch, M.: Simulation of hot stamping joints by finite element method
Moško, R.: Manufacturing of bronze sculpture
Podstrelený, R.: The design of a gun body production process by investment casting
Fábry, A.: Selection of the active solder for soldering ceramic materials
Dóci, A.: Laser beam welding in the aircraft industry
Jakab, A.: Laser beam welding of light metals
Gažo, J.: Shielding gas influence on weld joint quality at laser beam welding
Ambroš, A.: Robotized Laser Working in Automotive Industry
Janíček, M.: Lasers utilization for coupling of car body
Gunár, M.: Proposal production of commemorative medal
Špáňik, J.: Optimalization of a glass mould production
Danižik, P.: Proposal for a stair platform lift for disabled people
Revická, M.: Modeling of the rotary table in PowerSHAPE CAD program
Barták, A.: Waterjet piercing of materials
Seneši, J.: Quality control of cladding using NDT methods
Gubrický, B.: Determination of stiffness of technological system
Zvončan, J.: The impact overhang of the workpiece to roundness and surface roughness turning surface
Švantner, T.: Design and simulation of production of CPU water cooling block
Kalnássy, I.: Design and Simulation of Long Drill in the Program Numroto
Budai, T.: Modelling of moving schematic of the doublepoint press
Czermak, E.: Modelling of moving kinematic scheme of horizontal forging machine
Kapsa, P.: Possibilities of using computer technology to process shearing clippings
Petrík, L.: Design assembly the Centrifugal pump from Pompetravaini
Míkula, P.: Production of thin-walled components in practice
Jurkovský, R.: Possibilities of restoration of cutting properties of tools
Valúch, S.: CAM systems for the production of cutting tools with shank
Szabó, A.: Design and manufacture of remote-controlled car body using computer-aided technology
Trnka, J.: Computer aided design of small single-trace motorcycle
Rancsó, B.: Utilization of computer aided technology in rim reconstruction
Buchtík, J.: Design and production of trucks for downhill skateboarding
Hrnčiar, J.: Design and Production of Prototype Parts Using CAD Software and 3D Printer
Podolák, M.: Renewal of Cutting Properties of Rotary Tools
Jakal, E.: Software support for shank tool grinding
Príbela, F.: Modeling and availing clamping fixtures in CAM systems
Bielko, T.: Progressive roughing strategies in CAM systems
Cák, D.: Parametric programming in the management system Heidenhain iTNC 530
Martinec, M.: Possibilities of CAM system FeatureCAM in 5 axis milling
Chalúpek, J.: Using software DEFORM for analysis turning
Molnár, T.: Milling cycles in the control system Heidenhain
Benuš, P.: Increasing the durability of cutting tools with replaceable cutting inserts
Skačan, M.: Optimalization of weldedbevels in hybrid welding
Cích, B.: Mechanical properties of AZ 31 magnesium alloy welded joints
Bučka, P.: Using of Modern UT Method for the Welded Joints Inspection
Krajčík, L.: The Application of Eddy Current Method for Welded Joints Testing

Krajmer, A.: Application of ultrasonic Phased array technology materials testing in the energy sector

Kotuček, M.: Importance CA technologies at optimalization shape and dimensions for manufacturing forging dies

Galla, G.: Design of cooling cycle for the measuring equipment in the Laboratory of thermophysical measurements and calculations

Nikodém, R.: Role of Tribology in practice

Bolebruch, R.: Technical elements for clamping of tools

Vávra, E.: Mechanisms in Structures of Processing Machinery

Kálmán, Z.: Diagnostic of acoustic emissions by pressure equipments in Slovnaft company

Šimon, Š.: Proposal An ultrasonic generator for ultrasonic assisted machining

Frankovič, B.: Investment Analysis of Press Brake

Pelikán, A.: The Use of Robots car body welding in the Automotive Industry in Volkswagen Slovakia a.s

Švorc, A.: The characteristics of the grasping end-effectors of the industrial robots used in the assembly process

Paukeje, K.: Design of connection between an end part of industrial robot IRB 120 and electric gripper LEHF20K2-48-R5

Kopecký, M.: Design of a coupling piece for industrial robot IRB 120 and electric gripper LEHS32K3-8-R16P1

Kišac, T.: Methodological Proposal of Definition Mode of Production Machine and Tools in CATIA

Hiller, E.: The overview of the possibilities of use of the software CIROS on the flexible production system iCIM

Gažica, J.: Simulation of a mechanical machine installation with use of computer equipment

Sekera, L.: The kinematic mechanism of a car simulated in environment CATIA V5

Schaller, D.: History and use of finite element method in production systems

Zlatohlávek, M.: Use and meaning of fracture mechanics in engineering

Matieska, R.: Project of the handling end effector for rear door of Peugeot 208

Juríček, J.: Creation of application for data transfer from the tachometer DT-2230 into the LabView environment for PC

Šimek, D.: The interdependence between the dimensions and geometric tolerances

Karaba, P.: Safety solution on the eccentric press

Ištván, M.: Temperature measuring in rotary sliding knot

Horváth, L.: Optimization of assembly process for automotive headliner module

Koniar, J.: Basic vibroisolation proceedings in technical practice

Bolebruch, M.: Comparison and Visual Interpretation of Reliability Indexes in Production Systems

Příbýl, D.: The Handling and Transport Technique in the Context of the Flexible Manufacturing Systems

Nídel, M.: Overview of the current state of the finishing machine tools

Gemer, P.: The principles of designing the camera vision system in the assembly process

Mareček, M.: Design and Application of Selected Geometric Tolerances for the Pre-Defined Group of Components

Nad', A.: Drawings elaboration of selected rotary parts as a teaching tool within the scope of Constructing Basics

Tomašák, R.: Automation of the technological process in the phase of the production of lacquering and injection moulding of the thermoplastic elements in the company Hella Slovakia Front Lighting s.r.o

Igaz, R.: Analysis software for the design of productions systems

Šipkovský, R.: Drawings elaboration of selected non-rotating parts as a teaching tool within the scope of Constructing Basics

Košťal, V.: The Use of 2D, 3D models in designing of manufacturing systems

Repka, P.: Numerical Simulation of the Flow of Fluids in Technical Equipment

Teplan, F.: Hardware and software accessories for computer integrated manufacturing