

Master theses

- Hlísta, T.:** Study of the weld joints properties created by laser beam from superduplex steel using the shielding gas mixture
- Jamrich, M.:** Welding dynamically loaded spatially oriented steel structures Skytrain
- Juhár, F.:** Effect of post weld heat treatment on the properties of hardenable aluminium alloy weld joints made with disk laser.
- Kolesár, V.:** The design and execution of welded joints on hydronalium sculptures from Svetozar Ilavsky
- Kubrický, M.:** Optimalisation of laser cutting parameters metallic materials.
- Kusalová, M.:** Analysis of Surface Roughness in Hard Turning of Hardened Steel Using Cutting Tool with Xcel Geometry
- Petrík, D.:** Evaluation of tribological properties of laser textured tool steels for applications in forming processes
- Troják, P.:** Analysis of cutting area in chip machining
- Drozda, M.:** Fluxless soldering of metal and ceramic materials
- Haško, M.:** The influence of the shielding gas to the properties of laser penetrations made from duplex steels
- Blahová, G.:** The Impact of treatment of shearing edge tools on the durability
- Cejkovská, L.:** Laser surface texturing
- Czibor, Z.:** Design process of machining and coating for the forming tools
- Dócze, Z.:** Laser machining of ceramic materials
- Jurán, P.:** Design and testing lifetime of coatings cutting and drawing tools
- Kozmová, N.:** Monitoring of tool wear with Xcel geometry for turning of hardened steel
- Bíro, M.:** Automation of the applying print onto aluminium rims process using hydrographic technology
- Bruzsi, B.:** Ideological proposal of tilting table mechanism for CNC milling machine
- Čagala, M.:** Innovation layout solution for series assembly line VS20 at Hella Slovakia Front Lighting s.r.o.
- Čapičík, L.:** CNC milling machine design
- Václav, J.:** Increasing efficiency in process of welding the upper deck of wagon in terms ŽOS Trnava, a.s.
- Vranková, V.:** The Effect of Disk Laser Welding on Selected Properties of Welding Joints from Duplex Stainless Steel
- Vršata, M.:** Laser welding of tubes from hyperduplex steel SAF 2707
- Bachorík, K.:** Making more effective material flow and design of clutch plate and cover of packing system according to proposed methodology in company ZF Slovakia
- Tokárová Pargáčová, L.:** Simulation of Technological Process of Shape Rolling in Simulation Software DEFORM
- Tomáš, M.:** Deformation process in the chip root from milling
- Tomášik, T.:** Design and production representative component 5 - axis machining
- Tóth, D.:** Design and production of contact probe for the use of 3D optical measurement
- Urbaník, Š.:** Streamlining the machining process of a shaped surface of the ram
- Szabó, T.:** Design and production of injection mold with computer aided technology
- Ševčík, R.:** The influence of geometry of the cutting tool on the cutting forces at drilling
- Šimko, J.:** Rationalize production shaft automatic transmission in GeWiS Company Ltd.
- Vaculka, J.:** Comparison of the measurement accuracy between optical and X-ray method of data collection

Valla, M.: Optimizing technological parameters of the process of die forging using computer simulation

Váverka, M.: Design and manufacture of representative component on turning center DMG CTX alpha 500

Villaris, A.: Design of measurement plan for measurement of vehicle beam by 3D measuring arm Romer

Vrtiel, Š.: Strength analysis of concrete constructional nodes of CNC milling machine

Zigo, P.: Process design of manufacture and assembly of the bearing housing in turbocharger

Žáček, M.: Machining of composite materials with the support of ultrasound

Patráš, M.: Production of a part using 3D scanner and 3D printer

Pikna, P.: The design of structure and assembly procedure of apron conveyors

Richter, M.: Grinding wheel wear at the base of the diamond

Sedláček, M.: Design and manufacture of dental restoration using the CAD/CAM system CEREC

Sobota, P.: Exploring dependability of accuracy of the CAD model and CAM data on final surface finish

Lesník, J.: Compensation elastic deformation of the press table during the process of sheet metal manufacturing

Molnár, I.: Design and production of selected component with preserving its functional and mechanical properties

Mutňanský, R.: Design of fixture for assembly of distribution in the company Delta Electronics, s.r.o.

Ondračšin, M.: Design and production of tool for producing metallic segments of rubber sillent block with computer aided system

Országh, M.: Design proposal of podium for the car seat

Paníček, O.: Design of Technological Equipment for Cutting Edge Preparation Shank Type Tools and Inserts

Fördös, Z.: Proposal for injection mold tool of plastic part

Galbavý, M.: Numerical simulation of the influence of tool edge radius on the workpiece stress-strain states for ultrasonic assisted drilling

Halás, J.: Improvement of loss angle of hydraulic bushing under preload

Homola, P.: Turning long workpieces using the counter spindle

Hrušecký, R.: The use of technology Linescan on Reverse Engineering

Kayser, J.: Numerical simulation and analysis of the process of welding stainless tubes by laser

Kayserová, E.: Preparation and possibilities of e-learning in selected parts in course Fundamentals in Manufacturing Technologies II

Keseli, T.: Modification of the program for automated press brake for arch shape bending

Hudecová, B.: Design of animations for e-learning of courses from area of foundry

Ivanovič, P.: Draft measurement plan to measure shaft of the gearbox for coordinate measuring machine

Jardek, J.: The structural design and assembly of the closure of the foundry furnace

Jurík, V.: Database design and implementation of calibration procedures for metrology laboratory

Jurina, F.: Design and production of shank cutting tools

Kováč, M.: Modification of the water circulating pump housing of the gas boiler

Lamoš, P.: Design and production of representative part on machining center by using of ultrasound

Lecký, Š.: Creation of CAD surfaces from polygonal model

Michal, D.: Methodology Off-line programming of industrial robots created by the using CAx software

Ragan, M.: Automatic data evaluation of production line of the front headlamp (Renault Master) at Hella Front Lighting Ltd.

Sivák, J.: Design of robotic training workplace based robot IRB 120

Sméja, D.: Ideological design of rotatory table for special CNC milling machine

Svítek, O.: Simulation of industrial robot guidance in the welding process

Vojtuš, T.: Automation of assembling workplace for connecting fuel system components of cars

Dičér, J.: Proposal of manipulator for expedition of pallettes with products

Guthi, J.: Projecting of the Machine Shop of Pressure Plates in ZF Slovakia, Levice

Homolová, M.: Design of jaws for lathe chuck on CNC lathe within manufacturing-assembly system iCIM 3000

Kapajčíková, U.: Robotic workstation design for products separation

Kerpner, K.: Refurbishment processes as part of the maintenance and repair of production facilities

Bohunický, M.: Numerical contact analyse of the process of pressing proces of steel tube

Boroš, D.: The structural design and mounting proposal of pneumatic machine for ultrasonic plastics welding

Buchan, M.: Production and installation of the steam superheater

Burza, M.: Review of tool geometry for friction stir welding method with applicaton of numerical simulation

Cingel, P.: Design and manufacture of universal carriage for six - spindle cam lathe

Klukay, M.: Design of jaws for the clamp on CNC Milling machine as part of manufacturing and assembly system iCIM 3000

Koncová, V.: Hypothetic project of single-purpose machine tool using catalog components

Kormančíková, L.: CNC milling machine design for 4-axis machining

Kravárik, J.: Modernization of production wood surface finishing line in IKEA Industry Slovakia s.r.o., odštepny závod Trnava

Adamčík, R.: Proposal battery cart and his compatibility

Beláni, R.: The influence of selected 3D printing parameters on quality characteristics of printed parts

Bezecný, M.: Design optimization nasal console cladding cyclotron chamber DC280

Ďureje, T.: Numerical analysis of the process creating combined joints Al-Ti alloys using FSW

Cuninka, M.: The measurement of the plastic part and modification of the injection molding parameters using the simulation for the company Magna Slovteca, s.r.o.

Lastovička, D.: The establishment of a production plant in gravity pouring of polyurethane in Courbis s.r.o.,Sered

Masarovič, M.: The suggestion of assembling robotized workplace of damping element for the firm EKOM, s.r.o., Piešťany