

Master theses

- Stano, T.:** Analysis of the deformation process in the cutting zone
- Horváth, M.:** Analysis of deformation process in the machined material
- Bobok, R.:** Analysis of machined surface after grinding
- Manca, Š.:** The analysis of cutting forces and torque in the drilling process
- Jagerčík, M.:** Analysis of welded joints of Mg alloy with the addition of RE produced by laser
- Lisinovič, M.:** Application of 3D printing to the manufacturing process for a small batch production
- Vetrík, L.:** Numerical simulation aided precision forging of forged piece from light non-ferritic metal
- Chranček, J.:** Resistance spot welding of magnesium alloy AZ61
- Satin, L.:** CAE support of the thermoplastic injection moulding
- Kuchár, J.:** The database of parameters of 5-axis machine tool
- Čapla, M.:** Quality evaluation of clads based on the thickness, uniformity and integrity
- Štibranyi, P.:** The Appreciation of surface of the composite coats resistant to attrition
- Palková, J.:** The quality of machined surfaces at laser beam cutting
- Lobodáš, M.:** Laser surface structuring
- Šišovský, M.:** Laser micromachining
- Grúber, R.:** Measurement of surface roughness after milling with different cutting edge inclination angle
- Greguš, R.:** Measurement of cutting forces during milling when using tool with different cutting edge inclination angle
- Matejovič, J.:** Measurement of cutting forces during High Speed steel milling
- Zaujec, R.:** Methodology of geometry measuring of the shank cutting tools
- Šurinová, R.:** Modernization of a calliper by the use of linear guide
- Babulík, A.:** Design and optimization of the liquid cooled plate in simulation software Flotherm
- Bagín, M.:** Design and production of moulds for plastic injection
- Štefula, D.:** Design and production of glass moulds
- Uhrinec, L.:** Design and production of end mills with different helix angle
- Križan, J.:** Design and production of surface forming tool using computer aided forming
- Triznová, J.:** Design and production of the cutting insert chip breaker by laser micro machining
- Jedlička, D.:** Design of automated machine for resistance projection welding of screws
- Konečná, L.:** Design of Model and Manufacturing of University Ring by CAD/CAM software
- Pikálek, P.:** Proposal of the assembly process of screws into the ball pivot for BMW models
- Val'o, M.:** Design of transfer device prototype
- Žilinčík, R.:** Design of stabilizer for holding of sheet metal
- Henčel, L.:** Design of special tool for series parts production
- Bohuš, R.:** Design of technological process of series production components
- Urban, P.:** Design of the mining lamp body
- Híreš, M.:** Nonconventional methods of gear wheels machining
- Drozd, J.:** Ultrasonic machining of single crystal silicon
- Ambruš, L.:** Optimization of CMT welding parameters during welding of thinwalled tubes
- Vyskoč, M.:** Optimization of laser welding processes at PSA Trnava

Šmida, M.: Turning process optimalization of technological grooves on outer rings of bearings at INA SKALICA

Daučo, J.: Plasma cutting of free form welds

Beňák, F.: Computer aided design and manufacture of die forgings

Krčmárik, I.: Comparison of classical and modern ultrasonic control methods of welds

Vičík, V.: CNC Milling Technology and Rapid Prototyping Technology Manufactured Parts Comparison

Vidlička, J.: Surface remelting and alloying of high-speed steel using a laser

Gál, M.: Free Conture Programming in Heidenhain Control System

Hučka, J.: Rationalisation of production processes in the company

Sabo, L.: Reclamation of moulding sand with protein-based binder

Štefan, M.: Dimensions control of plastic pressings with camera assistance

Detony, Ľ.: Simulation of backward extrusion in DEFORM simulation software

Šebeň, P.: Investigate the effect of electrolyte concentration on the level of gloss with plasma polishing castings in the electrolyte

Janíková, K.: Investigation of the cutting fluids effect during aluminium alloy machining

Drlička, J.: Silicon brazing solders for higher application temperatures

Špányi, M.: Determination of butt-welded joints distortions with use of 3D scanning

Chmelíková, M.: Study of porosity in centrifugally casted alloys

Masaryková, R.: Study of the influences of the welding process parameters on the final quality of laser beam welded joints of thin-walled austeniticstainlessteel AISI 316L

Pavlík, P.: Technology of thread manufacturing

Čulen, P.: Friction Stir Welding of highly solid steel used in the automobile industry

Remeš, N.: Creating of Extrusion Model and Construction of Injection Mould Design with Computer Aided Technologies

Schay, M.: Computer aided creation of tooling systems for complicated shape formed pieces

Polák, A.: The use of pipes and cores in the centrifugal casting of zinc castings

Hesko, P.: Modification of movable fixing equipment

Bestvina, R.: Modification of an injection mould in conditions of Pernoud Mould CE, Ltd.

Šilhár, J.: The impact of boriding process on the copy end mills wear

Jankovič, P.: The impact of boriding process on flat end mills wear

Urbanovič, L.: Effect of boriding process on the tool life of taps

Bunčiak, M.: Influence of the Milling Tool Geometry on Cutting Forces

Fekete, I.: Impact of protective atmosphere on the quality of laser welds from magnesium alloy AZ61

Ponca, M.: The influence of AZ 61 magnesium alloy welding parameters on the quality of welded joints

Gajdoš, M.: Impact of the width of cut on the cutting force during milling

Zahnaš, L.: Effect of pressure cutting fluid on the cutting tool wear

Dolnačko, M.: Research of new Zn-Al based solder alloys

Pavelek, Ľ.: The using of modern ultrasound methods for the duplex steel weld joint inspection

Struhár, F.: Use ofcomputer aided tomography technology and Rapid Prototyping to the proposal of prothesis in biomedicine

Tóth, R.: Dependence of cutting tool wear from machining strategy

Vydra, P.: Dependence of cutting forces from machining strategy

Kučerák, P.: Changing the mechanical properties of the molding sands with a protein based binder for long-term storage

Nagy, M.: Solid State Welding of Heat Treatable Al Alloy by FSW Method

Mancoš, T.: Laser beam welding of aluminium components

Kákoš, J.: Welding of Magnesium Alloy AZ61 by disk laser

Ivánek, J.: Laser welding of hardenable Al 7075 alloy by using a filler material

Pirožák, J.: Welding of AZ 31 Mg alloy by disk laser

Tóthová, E.: Welding of thin stainless austenitic steel AISI 304 by solid state laser

Straka, J.: Hybrid Welding of Thin (Steel) Materials in Pulse Regimes

Mészáros, D.: Laser welding of thin zinc-coated steel sheets