

Master Theses 2013 – UVTE

Mačák, T.: Analysis of the possibility of improving the manufacturing process of universal matched bearings

Kútny, M.: The application of ultrasonic vibrations on the tool with a defined geometry cutting wedge - end mill

Calpaš, L.: The application of the appropriate type of cutting plates for shape machining tool steel 1.2379

Kostolný, I.: Diffusion welding of combined metals

Nagy, V.: Experimental investigation of the joint strength of laser beam welded structured sheet metals

Zifčák, M.: Experimental Verification of Dependency Rate of Al₂O₃ Broken off According to Cutting Edge Entering Angle

Sýkorová, T.: Milling of low rigidity components with a different number of milling cutter flutes

Jurka, B.: Improvement proposals and proposal of prototypes technology in shifting system

Bašnář, M.: Isolated tank wagon - proposal of tank wagon subgroups

Mináriková, D.: Design and production forming tools machining

Šarmír, M.: Construction of molds for the production of moldings for horizontal injection molding machine

Gajdošík, M.: Design study and simulation of robotic welding workplace

Košík, M.: Metal to composite plastic conversion of mechanically loaded part by using technological and structural CAE analyses

Minárik, V.: The quality of the machined surfaces cut spoked Technologies

Vach, R.: Laser-structured surfaces

Brimus, M.: Laser micromachining of Cr-Ni austenitic steel

Pálenkár, M.: Measurement and maintenance of large-scale machine tools in NMS s.r.o.

Ondruška, M.: Measurement of shank tool with the Zoller Genius 3

Špalek, R.: Modeling and design of die forgings and molds computer support

Dobrovodský, P.: Possibilities of creating a 3D model from photo, 2D artwork

Rezbárik, P.: Design and installation of dissolution the crystalline sediments in storage tanks

Píš, T.: Design and modeling of cutting tools

Pročka, T.: Design and implementation of a robotic workstation for the automotive industry

Mazánik, R.: Design and simulation of robotic welding cell

Dičér, V.: Design and simulation of robotic welding cell

Kuka, M.: Design and manufacture of injection mould

Hožváková, Z.: Design adaptation CNC Lathe Machine for incremental forming operations

Likavčan, L.: Draft of CAPP system for electrical discharge machining

Križan, B.: The structural design of the forming tool for forming area

Guldan, J.: Proposal of the measuring plan for measuring of the top cover of hydrodynamic converter by the coordinates measuring machine

Brychta, M.: Design of measuring plan for measuring back cover LCD TV on a coordinate measuring machine

Pleva, T.: Proposal of methodology calibration of microscope

Hetešová, A.: Suggested methods of teaching and testing of CAD / CAM in online class

Hladík, L.: Design of the method of curing core sands with binder on protein base

Martinka, E.: Draft model air gun

Bališ, D.: The proposal of the assembly of the garden tiller

Bachorik, J.: Proposal of procedure for assembling the research apparatus Victoria

Staňová, M.: Design methodology and work calibration of static torque

Gemzický, I.: A workplace suggestion for welding of shopper for shaker

Žovinec, M.: Development engineering of choosen assembling workplace at company RF, s.r.o Malacky

Slamka, M.: A Design of cabinet of amalgam an separator

Leškanič, M.: Proposed solder for soldering of Mg alloys

Mosnár, V.: Design of technological fixture for precise drilling

Sénáši, R.: Design of technological preparation for machining a gear ring

Beták, T.: Proposal of appropriate technology and parameters for welding austenitic stainless steel

Kodhajová, A.: Design, engineering and assembly of cooling display case

Tankovič, V.: Proposal of the clutch press disk industrial process

Majerník, T.: The suggestion of the production of a chosen product with CAx technologies in the company of Novoplast

Babis, P.: Cutting tool wear in thin part turning

Šimo, L.: Wear-out of boride cutting tools

Zajac, J.: Wear in five-axis milling process

Závodný, M.: Optimization parameters of laser cutting

Tichý, L.: Production support for the introduction of the machine tool simulation in company Krivý s.r.o.

Mihálik, M.: Advanced modelling method of machining machines

Tibenský, T.: Comparison of the quality surface in conventional and high speed turning

Sobotová, T.: Comparison of modern and conventional cladding methods in terms of material structure changes

Velič, M.: Comparison of representative methods of roundness measurement

Šmida, E.: Development engineering of selected operations in machining in INA Skalica

Sítek, B.: Abrasive water jet cutting

Knizner, M.: Cutting forces in conventional and high speed milling

Sitár, T.: Cutting forces in turning slender components

Zemko, M.: Simulation and subsequent verification of thermoplastic injection molding

Allina, M.: Simulation of robotized workplace for arc welding

Chovanec, R.: Simulation of technological process of forming for production of bearing cages

Fojtlín, M.: Investigation of the decrease of surface roughness during the electrochemical polishing castings

Bol, B.: Investigation of cutting forces in five-axis milling

Zelník, R.: Software for simulation of machining

Giertlová, M.: Study of thermal stress silicone molds for centrifugal casting low melting alloys

Fúsek, P.: Creation of bust by computer-aided Technologies

Csontos, D.: Creating the NURBS surfaces based on the Polygon model

Siman, M.: The use of unconventional core and in a centrifugal casting using Tekcast method

Beňová, M.: Influence of wall thickness to roundness value of turning sample

Cabanová, D.: Effect of a small amount of lanthanides on the properties of zinc solder

Bučko, A.: Effect of shielding Gas on Titanium Laser Welds Quality

Gajdošík, M.: Influence cutting speed on cutting forces

Zvonár, D.: Impact of Cutting Conditions on the Surface Roughness of AlMgSi Alloys

Gyárfás, M.: Effect corner radius of milling cutter on cutting forces

Virág, D.: Effect of process parameters on the final quality of component in car door panel

Šurinová, M.: Influence the location of scores into the mold cavity surface quality of castings cast method Tekcast

Karvaš, M.: Effect of welding variables on the depth of penetration on orbital TIG welding creep resistant boiler tubes

Pánik, P.: Selected problems of laser machining

Matovičová, L.: Rationalization of production of a body end component for the front lower skeleton part of a tanker

Milde, J.: The use of computer aided technologies for designing and fabrication of dental restorations

Marek, P.: The utilization of computer simulation for designing of welded structure

Viola, L.: Use of the program PowerMill and 5 axis machine tool Ultrasonic 20 linear in the manufacture of the choosen types of cutting tools

Ležovič, M.: The CAD-CAM-CNC string in art production

Urminský, J.: Friction Stir Welding of Magnesium Alloys

Kopáček, P.: Welding of austenitic stainless steel AISI 316L with fiber laser

Fonodová, Z.: Welding of duplex steels solid state laser

Ertel, J.: Laser welding of magnesium alloys

Šútovec, M.: Laser welding of Mg alloys to Al alloys

Kudlej, M.: Welding selected Al alloys laser