

Bachelor thesis UVTE

PAPP, Ján. Modeling of a forming tool for a horizontal forging machine with computer aided technologies

PETRÁŠ, Martin. Proposal of optimization of pre-assembly of machine frames of Netstal

BOĎA, Róbert. 3D laser cutting of profiles

TOMÁŠIK, Andrej. The analyze of production process of the seamless tubes

HORVÁTH, Šimon. Design of robotic laser welding workplace

PETRÁŠ, Tomáš. Use of CA technology in field of design and manufacturing of medical accessories

VATRT, Martin. Modern approaches in machine parts renovation and their use in practice

ZUBÁŇ, Peter. Proposal to improve the technological process of component production in conditions of TFM Slovakia s.r.o.

OREL, Erik. Design of dog clutch

VITTEK, Kamil. Novel trends in the areas of scanning and identification technologies in logistic processes

HNILICA, Martin. Designing wax pattern and operations of ceramic mould production for turbine stator

VAJAY, Juraj. Design of a shoe for grinding in the CNC internal grinding machine

REPA, Roman. Utilization of discrete simulation software to design assembly systems

DIVINSKÝ, Lukáš. Design of table decorative biofire

CHMELÍK, Ondrej. Design and production of thin-walled part with the assistance of CAD software and 3D printer

KOREC, Stanislav. The influence of the cutting wedge geometry on the micro and macrogeometry of the turned surface

KIANICA, Daniel. Properties of materials for 3D printing

ČUHÁK, Marek. Measurement strategy

DÁVIDEK, Jozef. Material flow of the production system in Industry 4.0

ZAJÍČEK, Ivo. Concept design of machine vision application

KOPIAR, Michael. Concept design of automated workplace for spot welding

KOVÁČIK, Juraj. Design and manufacturing of gear box prototype with use of CA technology

WOŽNICA, Andrej. Design and manufacturing of automobile differential with use of CA technology

MARTINEK, Filip. Characterization of mold assemblies for high pressure die casting of low melting point alloys

BENIAN, Matúš. Analysis of flexible rubber-metal parts production processes

KURIL, Lukáš. Technology of injection molding and pressing of wrap hoses for white appliances

ČEPELA, Peter. Computer aided designing of injection molded plastic parts, creation of model and drawing

ŠTURCEL, Roman. Design and production of a sport camera trailing holder by using a FDM method

KUBISOVÁ, Daša. Elecron beam brazing

MELUŠ, Tomáš. Laser brazing/soldering

PLUHÁR, Alexej. Soldering in automotive industry

SOBČÁK, Dominik. Use of computer tomography for data acquisition of cold-drawn steel tubes

PACALAJ, Lukáš. Desing and manufacturing of protective cover case for mobil phone

GALKO, Patrik. Inspection of plastics parts

HANULIAK, Lukáš. Design and manufacturing of mould for injection moulding

KUCHÁRIK, Jozef. Influence of scanning parameters on surface creation by reverse engineering

JEŽÍK, Peter. The analysis of technological parameters at cold drawing of steel tubes using CA technologies

ŽOVINEC, Juraj. Design and production of automatic feed dispenser for live feed using CAD software and 3D printer

DOBROVSZKÝ, Patrik. The use of computer aided technologies in the design and production of ergonomic grip for an airsoft weapon SCAR L

DRGOŇ, Martin. Internal structures in the Rapid Prototyping and their impact on shape and dimensional accuracy

HORVÁTH, Jozef. Use of CAx technology in the design and production of dental orthodontic appliances

KOVAČOCY, Patrik. Rationalization of production pressed pieces of bulky dimensions for automotive industry

BOROŠ, Ján. Reverse engineering of a drain tank with regard to assembly

ČMELA, Matúš. Analysis of assembly workplaces

PIPICH, Matúš. Reverse engineering in assembly

KORONCZI, Peter. The possibilities of using virtual reality in manufacturing systems focusing on collaborative cooperation man and machine in Industry 4.0 concept

ONDREJMIŠKA, Dávid. Aplication of CAx technologies in standard of Muehlbauer Technologies s.r.o. Nitra

DENKO, Michal. Use of CA technologies in the design of production carrier in Muehlbauer Technologies s.r.o. Nitra

MOZOLÍK, Martin. Computer aided in the design and production of the holder

MOLNÁR, Marek. Production design and measurement plan for the pulley

REŽNÝ, Michal. Time analysis of assembly process of CNC lathe Index ABC in INDEX Slovakia, s.r.o.

ANDELEK, Lukáš. Methodology of programming a collaborative robot

NIKODEM, Michal. Use of CAx technologies in the design and production of pole piece

MLYNARČÍKOVÁ, Marcela. Concept design of guide roller for the unit HUCKEPACK used in the company Schaeffler Skalica Ltd.

BILČÍK, Andrej. Creation of animations for the operation of pneumatic elements

BÁNYI, Andrej. Basic overview of mechanisms and their use in practice

HAIŠ, Jan. Usage of machining tools for the installation and reparation of piping systems in a nuclear plant type VVER 440

MACHÁČ, Tomáš. Production of die-casting mold for automotive bodywork using 3D printing technology

ŠATKA, Filip. Implementation preventive and predictive maintenance

BARTÁK, Martin. Implementation of clamping of workpieces using magnets

CÍBIK, Marek. Construction design of the adjusting unit for the production of gearbox

PUČEK, Michal. Design of improvement of surface roughness in the final machining of 3D surfaces

LAZOVÝ, Pavol. Analysis of machining of workpieces made of stainless steels

SITTA, Marek. Possibilities of using the computer for the technological process of cutting profile material and sheets of metal

KŇAŽEK, Jakub. 3D model creation of selected production device - lathe - iCIM3000

KURIC, Dominik. 3D model creation of selected production device - industrial robot - iCIM3000

POTÚČEK, Milan. 3D model creation of selected production device - conveyor - iCIM3000

ČERVEŇAN, Roman. 3D model creation of selected production device - milling machine - iCIM3000

KRÁLOVIČ, Adam. 3D model creation of selected production device - storage system - iCIM3000

ZIFČÁK, Ján. 3D model creation of selected production device - assembly station - iCIM3000

KONČITÝ, Pavol. 3D model creation of selected production device - check station - iCIM3000

BALOGH, Máté. 3D model creation of assembly cell's shelf storage

TOMČÍKOVÁ, Ema. Laser utilization at welding of Ti and Ti alloys

KRCHNAVÝ, Marek. Machine selection for drilling operation at given part

MIHALOVIČ, Miroslav. Cutting tool selection for given assembly at the production system iCIM 3000

SEKERA, Martin. Cutting tool selection for CNC lathe EMCO Concept TURN 105

ŠEDOVIČ, Viliam. Design of the fixture for the establishment and support of a part designed to control surface microgeometry

ŠKOVIERA, Radovan. Using of electron beam for the welding of nickel and its alloy

NGUYEN, Dávid. Comparison of parameter programming and SL cycle capabilities in the Heidenhain iTNC530

MIKLÁŠ, Stanislav. Effect of the contact surface shape of tool to edgechipping formation in rotary ultrasonic drilling

MICHALEC, Martin. Usage Industry 4.0 in assembly production

GALKO, Frederik. Overview of methods of machining ceramic materials

KELEŠI, Roland. Overview of machining methods for sintered carbides

STRAKA, Róbert. The Possibilities of the Application of Rapid Prototyping in Foundry

LÍŠKA, Jakub. The assembly design of exercise machine

HRICA, Dávid. Design of the control electropneumatic circuit for a control device

GROSS, Jaroslav. Electron beam welding of dissimilar steels

BARUTÍK, Michal. Modifications of robotic welding workplaces in automotive industry

KOVÁČ, Milan. Production of Parts on the Turning Centre in Supratek, s.r.o. Company

SLOBODA, Patrik. Software for measuring and calculating roundness

NAGY, Peter. Design modification of selected part of car by reverse engineering

PETRÍK, Peter. Design of device with electropneumatic control

ŠVANČARA, Patrik. Robot control for CNC machine operation

CIUTTI, Adrián. Study of the interface of magnesium alloy - titanium bimetal produced by explosion welding

SKÝPALA, Richard. Design of automatic control of Bottle Filler

SCHWARZ, Roland. Design of the mobile stairs assembly

SKLADANÝ, Dávid. The design of lifting device assembly for cars

GOLIÁŠ, Dominik. Automatization of machine tools

LEVÁK, Michal. Design of a belt conveyor control system

KORMÚTH, Filip. Design and manufacture of a milling tool

BODNÁR, Radovan. Computer-aided graphics simulation of cutting machine and NC code verification

BRANIŠ, Miroslav. Computer Aided Quality

MASÁR, Patrik. Simulation of technological processes

JEDINÁK, Michal. Increasing the life of cutting tools

ČULEN, Jakub. Computer Aided Design and Manufacturing of a Truck Gearbox at Reduced Scale

MACHALA, Erik. Design of a Tailor-Made Bicycle Helmet

MICHÁLIK, Miroslav. Utilizing Computer Aided Technologies in the Design and Manufacturing of a Spectacle Frame

LAŠO, Maroš. Theoretical possibilities of using computer simulation for optimization of production and logistics

ŠUGRA, Filip. Laser beam welding of steel to copper

ŠÁCHA, Peter. Digitization of analogue data

LIPÁR, Tomáš. Formability of sheets welded by laser beam

TOTKA, Ľuboš. Electropneumatic control circuit for the control device

ČULÍK, Mikuláš. Utilization of CMT welding in automotive industry

MALÍK, Jakub. Assembly design of rotary mechanism

MINÁRECH, Ivan. Design of the glass mold and its implementation in manufacturing

KOLEŇÁK, Martin. Computer-aided design of a pneumatic device

KOKOŠ, Maroš. Use of the human - robot collaborative cooperation in the assembly process in the concept of Industry 4.0

