Analysis and Characterization of Machined Surfaces with Aesthetic Functionality
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Assessment of the inflatable core assisted paper bottle moulding process
Research output: Contribution to journal › Conference article – Annual report year: 2019 › Research › peer-review

A study on the feasibility of in-process compensation of cutting force induced errors using axes motors absorbed current
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2019 › Research › peer-review

Effect of cutting edge micro geometry on surface generation in ball end milling
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Micro product and process fingerprints for zero-defect net-shape micromanufacturing
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2019 › Research › peer-review

Offline tool trajectory compensation for cutting forces induced errors in a portable machine tool
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Process characterization for molding of paper bottles using computed tomography and structure tensor analysis
Research output: Contribution to journal › Conference article – Annual report year: 2019 › Research › peer-review

Thermal characterization of a micro polishing machine and effect on path strategy compensation
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2019 › Research › peer-review

Additive Manufacturing of Mould Inserts with Mirror-like Surfaces
Research output: Contribution to journal › Conference article – Annual report year: 2018 › Research › peer-review

A mechanistic model for the prediction of cutting forces in the face-milling of ductile spheroidal cast iron components for wind industry application
Research output: Contribution to journal › Journal article – Annual report year: 2019 › Research › peer-review

Applicability of Acoustic Emission monitoring to micro polishing
Comparison of selected processes for surface microstructuring of complex mould for an implanted device
Research output: Contribution to journal › Journal article – Annual report year: 2018 › Research › peer-review

Methodologies for characterization of smearing micro geometry on ball end milled tool steel surfaces
Research output: Contribution to conference › Paper – Annual report year: 2019 › Research › peer-review

Micro Machining Technologies for Micro Injection Mold Making
Bissacco, G., 2018, Micro Injection Molding. Tosello, G. (ed.). Munich: Carl Hanser Verlag, p. 113-139
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2018 › Research › peer-review

Tooling for Production of the Green Fiber Bottle
Research output: Contribution to journal › Conference article – Annual report year: 2018 › Research › peer-review

Application of silicone based elastomers for manufacturing of Green Fiber Bottle
Research output: Contribution to journal › Conference abstract in proceedings – Annual report year: 2017 › Research › peer-review

Characterization of smearing patterns in ball nose end milling process
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Characterizing Green Fiber Bottle Prototypes Using Computed Tomography
Research output: Contribution to book/Report/Conference proceeding › Article in proceedings – Annual report year: 2017 › Research › peer-review

Effect of TWD estimation error on the depth of machined cavities in micro-EDM milling
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2017 › Research › peer-review

Modeling of the effect of tool wear per discharge estimation error on the depth of machined cavities in micro-EDM milling
Research output: Contribution to journal › Journal article – Annual report year: 2017 › Research › peer-review

Moulded Pulp Manufacturing: Overview and Prospects for the Process Technology
Acoustic emission-based in-process monitoring of surface generation in robot-assisted polishing

A simulation of the effect of TWD (tool wear per discharge) estimation error on the depth of machined surfaces in micro-EDM milling

Comparison of cutting edge characterization techniques applied to industrial tools with sub micrometer edge radius

Computed Tomography characterization of the Green Fiber Bottle

Moulding process characterization of paper bottles using computed tomography

The effect of TWD estimation error on the geometry of machined surfaces in micro-EDM milling

Application of Functional Nano-Patterning to Polymer Medical Micro Implants

Characterization methods of nano-patterned surfaces generated by induction heating assisted injection molding

Comparison of 3 methods on fabricating micro-/nano-structured surface on 3D mold cavity

Comparison of optical methods for surface roughness characterization
Comparison of two setups for induction heating in injection molding
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Development of a multisensory arm for process monitoring in Robot Assisted Polishing
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2015 › Research › peer-review

Development of a multisensory arm for process monitoring in Robot Assisted Polishing
Research output: Contribution to conference › Poster – Annual report year: 2015 › Research › peer-review

Development of on the machine process monitoring and control strategy in Robot Assisted Polishing
Pilny, L. & Bissacco, G., 2015, In : C I R P Annals. 64, 1, p. 313-316
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Industrial characterization of nano-scale roughness on polished surfaces
Research output: Contribution to journal › Conference article – Annual report year: 2015 › Research › peer-review

Real time power consumption monitoring for energy efficiency analysis in micro EDM milling
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review

Towards development of a novel online tool wear compensation method for dry micro-electrical discharge milling
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2015 › Research › peer-review

Assessment of injection moulded nano-patterned surfaces
Research output: Chapter in Book/Report/Conference proceeding › Conference abstract in proceedings – Annual report year: 2014 › Research › peer-review

Improvement of replication fidelity in injection moulding of nano structures using an induction heating system
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review

Injection molding of nanopatterned surfaces in the sub-micrometer range with induction heating aid
Research output: Contribution to journal › Journal article – Annual report year: 2014 › Research › peer-review

Integrated Design, an Approach Towards DfµMA
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2014 › Research › peer-review
Direct dynamic calibration of dynamometers for micro milling operations
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Force analysis in micro milling Al 6082 T6 in various engagement conditions
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

High aspect ratio micro tool manufacturing for polymer replication using mu EDM of silicon, selective etching and electroforming
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Modelling the cutting edge radius size effect for force prediction in micro milling
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Multidisciplinary graduate course and PhD summerschool in micromechanical system design and manufacture
Hansen, H. N., De Grave, A. & Bissacco, G., 2008, proceedings of the EUSPEN. The European Society for Precision Engineering and Nanotechnology
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Setup of a micro milling force knowledge database - a 4M cross divisional project
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

Tooling process chains for polymer replication of micro fluidic devices
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2008 › Research › peer-review

An uncertainty model for thermal effects on axial depth of cut in micro milling
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review

Characterization of pulses in micro EDM milling based on wear and material removal
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2007 › Research › peer-review
Manufacturing of an injection moulding mould insert with three-dimensional micro features by micromilling
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research › peer-review

Micromilling of hardened tool steel for mould making applications
Research output: Contribution to journal › Journal article – Annual report year: 2005 › Research › peer-review

Micro product development methods - how do we focus on the right issues?
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research › peer-review

Precision manufacturing methods of inserts for injection molding of microfluidic systems.
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research › peer-review

Wear of micro end mills
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2005 › Research › peer-review

A software tool for simulation of surfaces generated by ball nose end milling
Research output: Book/Report › Report – Annual report year: 2004 › Research

Effect of Cutting Parameters on Microhardness in 2 mm Slot Milling Hardened Tool Steel
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2004 › Research › peer-review

Experimental characterization of micromilled surfaces by large range AFM
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2004 › Research › peer-review

Improving axial depth of cut accuracy in micromilling
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2004 › Research › peer-review

Surface Generation and Optimization in Micromilling

Accuracy of depth of cut in micro milling operations
Research output: Book/Report › Report – Annual report year: 2003 › Research
Micromilling experiments on hardened tool steel and Titanium
Research output: Book/Report › Report – Annual report year: 2003 › Research

On machine measurements of electrode wear in micro EDM milling
Research output: Chapter in Book/Report/Conference proceeding › Article in proceedings – Annual report year: 2003 › Research › peer-review

Practical Metallurgy
Research output: Book/Report › Report – Annual report year: 2003 › Research

Literature Survey Concerning State of the Art and Surface Generation in High Speed Milling
Research output: Book/Report › Report – Annual report year: 2002 › Research

Preliminary Milling Tests on STAVAX ESR 52 HRC using 2 mm carbide tools in the range 20 – 200 m/min
Research output: Book/Report › Report – Annual report year: 2002 › Research

Surface Generation Modeling in Ball Nose End Milling: a review of relevant literature
Research output: Book/Report › Report – Annual report year: 2002 › Research

Surface Generation Modelling in Ball Nose End Milling: a review of relevant literature
Bissacco, G., 2002, IPL.
Research output: Book/Report › Report – Annual report year: 2002 › Research