



## Expert Forum: Hall I, Booth 314/411

Tuesday, 10 October 2017

### Introduction

10.00 am **Deburring Technologies – an Overview**  
Sascha Reinkober, Fraunhofer Institute for Production Systems and Design Technology IPK, Berlin

### Mechanical Deburring

10.30 am **HSD – Mechanical High-Speed Deburring Tools for Highly Automated Manufacturing**  
Reinhard Nothnagel, Dr.Beier-Entgrattechnik

11.00 am **Automatic Deburring of Castings on the CNC Machine**  
Urs Schiltknecht, SEH Technik GmbH

11.30 am **Deburring of Workpieces and Steel Strips by Metal Cutting**  
Marco Chiesura,  
Heinz Berger Maschinenfabrik GmbH & Co. KG

12.00 noon **Deburring with Robots: Possibilities and Limits**  
Martin Gerstner, BIAx Schmid & Wezel GmbH & Co. KG

12.30 pm **Economical Edge Preparation and Polishing of Very Hard Materials**  
Marc Schori, René Gerber AG

13.00 pm **X-Bores Technology, the Key to Completely New Applications**  
René Kehl, HEULE Werkzeug AG

13.30 pm **Higher Quality and Cost Savings Thanks to Adaptive Robotic Grinding System**  
Matteo Patalocchi, QDesign S.r.l. a Socio Unico

14.00 pm **Defined Edge Processing in a Single Work Step**  
Jens Gilles, August Rüggeberg GmbH & Co. KG,  
PFERD-Werkzeuge

14.30 pm **Burr-Free Drilling Manufacturing Through Innovative Drilling Spindle Technology**  
Markus Dirscherl, LTI Motion GmbH

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### Erosive Deburring

10.00 am **Electrochemical Deburring – Electrochemical Machining**  
Günter Gözl, BENSELER Entgratungen GmbH & Co. KG

10.30 am **Cryogenic Deburring and Cleaning of Rubber, Non-Ferrous Metal and Precision Moulded Plastic Parts, 100% Distortion-Free**  
Ralf Sinner, MEWO GmbH & Co. KG

11.00 am **Polishing, Deburring and Cleaning of Metal Parts via Plasma Polishing Process**  
Tobias Weise, plasotec GmbH

11.30 am **Polyamide-Based Blasting Media for Die-Cast and 3D Printed Parts**  
Rabea Schumann and Nico Bundi,  
RIFATEC GmbH Gentle Surface Treatment

12.00 noon **Electrochemical Deburring: Pre-Machining and Pre-Treatment Condition of Workpieces**  
Hans-Joachim Konietzki, stoba Sondermaschinen GmbH

12.30 pm **Gentle Solutions for Very Hard Tasks... (P)ECM Technology - More than just Deburring!**  
Richard Keller, EMAG ECM GmbH

13.00 pm **Quality Assurance in the Cleaning and Deburring Process**  
Markus Mitschle and David Bartels,  
Höckh Metall-Reinigungsanlagen GmbH

### Measuring Technology

13.30 pm **Multi-Wavelength Digital Holography for Inline-Inspection of Precision Surfaces with Micron Precision**  
Tobias Seyler, Fraunhofer Institute for Physical Measurement Techniques IPM, Freiburg

14.00 pm **High Precision Optical Measuring Methods for Automated Inspection of Fine Surfaces and Analysis of Edge Preparation**  
Roland Heinze, confovis GmbH

14.30 pm **Fast Inline Surface Metrology with a Scattermeter**  
Marco Speich, QISAB Interferometer Systems GmbH

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### Surface Treatment

10.00 am **Surface Finishing with AFM (abrasive flow machining)**  
Daniel Seifert, 4MI GmbH,  
Surface Solutions for Metal Industry

10.30 am **Plasma Electrolytic Polishing – an Overview of Applied Technologies and Current Challenges for Deburring Metals**  
Henning Zeidler,  
Beckmann-Institut für Technologieentwicklung e.V.

11.00 am **Superfinishing of Surfaces – Developments and Trends**  
Robert Binder, Extrude Hone GmbH

11.30 am **Surf Finishing – New Development for Aligned and Automated Mass Finishing Applications**  
Michael Striebe, Rösler Oberflächentechnik GmbH

12.00 noon **Grinding of Precision Flat Surfaces: Many Solutions, but which is Most Efficient?**  
Achim Fehrenbacher, Supfina Grieshaber GmbH & Co. KG

### Cleaning of Components after Deburring

12.30 pm **Industrial Cleaners with High Particle Transport Properties Usable with Many Metals**  
Florian Treptow,  
Petrofer Chemie H.R. Fischer GmbH + Co. KG

13.00 pm **Specific Cleaning Processes for Internal Contours/ Geometries with Exacting Cleanliness Requirements**  
Muhammer Kör, stoba Sondermaschinen GmbH

13.30 pm **Component-Specific Spray Cleaning After Deburring**  
Matthias Wadle, Piller Entgrattechnik GmbH

14.00 Uhr **Water-Based Cleaning and Deburring of High Precision Parts in the Medical and Micromechanical Sectors**  
Uwe Roeder, NGL CLEANING GmbH

Specialist cooperation partner:  
Fraunhofer Institute for Production Systems and Design Technology IPK, Berlin