New Production Technologies in Aerospace Industry (Berichte aus dem IFW)

TEWISS

New Production Technologies in Aerospace Industry (Berichte aus dem IFW) TEWISS

New Production Technologies in Aerospace Industry (Berichte aus dem IFW)

TEWISS

New Production Technologies in Aerospace Industry (Berichte aus dem IFW) TEWISS

463 Seiten
Kurzbeschreibung
Content:
Keynote Speeches
Innovative Machining Solutions for Aircraft Parts by Use of Technology Cycle and Additive Manufacturing (Dr. Eng. Masahiko Mori, DMG MORI CO., LTD.)
Customer Support Technology (Shinichi Inoue, Makino Milling Machine Co., Ltd.)
ADI Factory 4.0 Strategy - Maximizing OEE & Machining Analytics (John Wall, Aerospace Dynamics Inc., Division of PCC Aerostructures)
Re-Thinking Traditional Manufacturing Processes to overcome Aircraft Business Challenges (Dr. Christoph Gey, Kennametal Inc.)
Evening Speech
Bionics: Yesterday, Today and Tomorrow (Professor Ingo Rechenberg, Technische Universität Berlin)
Session 1 - Machine Tool Technology & Virtual Production
Trends in Aerospace Machining (Prof. Dr.-Ing. Frank Brinken, Starrag Group Holding AG)
Grinding Machines for Manufacturing of Turbine Components (Dirk Wember, HAAS Schleifmaschinen GmbH)
AdditiveManufacturing / Bionics Designs - Disruptive Technology in Aerospace (Klaus Mueller, ICF International)
Challenges in Establishing Aerospace Machining Capabilities - A Journey of Bharat Forge (Guru Biswal, Bharat Forge Ltd.)
Manufacturing service for aviation industry in China (Prof. Wuyi Chen, AVIC International Aero-Development Ltd. AVIC INTL.)
Requirements for Productive Machining of Titanium Structural Components (Dr.-Ing. Jan Hendrik Dege, Premium AEROTEC GmbH)
Session 2 - Scientific Presentations including topics of Session 1
Laser Scored Machining of Fiber Reinforced Plastics to Prevent Delamination (Prof. Dr.-Ing. Wolfgang Hintze, TU Hamburg-Harburg)
Online Tool Wear Measurement for Hobbing of highly loaded Gears (Sven Goetz,WZL RWTH Aachen University)
Simulation based Planning of Machining Processes with Industrial Robots (Jan Brüning, Institute of Production Engineering and Machine Tools)
Assessing the accuracy of five-axis machines by linking machine measurement data to test work pieces (G.H.J. Florussen, T.M. Spaan-Burke, H.A.M. Spaan)
Multi-point Clamping with Automatic Collision Avoidance for Aircraft Structural Parts Machining (T. Li, H. Liu, L. Zhao, B. Hou, Y. Wang, Y. Ma, Z. Jia)
Improving the sensory capabilities of an electromagnetic guided rotary table for the use in machine tools (B. Denkena, T. Brühne)
Automated Dressing Of Graphite Electrodes For Electrical Discharge Machining (EDM) Of Seal Slots In Turbine Components (E. Uhlmann, D. C. Domingos)
Physics-Based Model to Predict Forces and Chip Morphology in the Machining of a Ti6Al4V Alloys for Aeronautical Applications (O. Fergani, K. Sorby, T. Welo)
Effect of change in α and β volume fraction on machining characteristics of Titanium alloy Ti6Al4V (S. Patil)
Effect of Water Oil Water Mist Spray Cooling on Drilling of Ti6Al4V Titanium Alloy using easter Oil based Cutting Fluid (S. Nandgaonkar, T.V.K. Gupta, S. Joshi)

Session 3 - Machining of Structural Aircraft Components
Machining of Aerospace Materials and the Requirements on the Cutting Grades for an Efficient Manufacturing Process (Dr.-Ing. Uwe Schleinkofer, Ceratizit Austria GmbH)
Achieving High-Efficiency Cutting (Carsten Günther, Sandvik Coromant Germany)
Development of New Designs for Composite Machining (Paul Kleven, Seco Jabro)
With High Speed Successful to the Future (Bekir Kilic, SolidCAm)
Low Noise Shrink-Fit Chucks to avoid Tool Pull-Out (Ulrich Zierer, Bilz Werkzeugfabrik GmbH & Co. KG)
Session 4 - Scientific Presentations including topics of Session 3
Virtual Machining: Capabilities and Challenges of Process Simulations in the Aerospace Industry (P. Wiederkehr, Institute of Machining Technology, TU Dortmund)
Automated Fiber Placement Head for Manufacturing of innovative Aerospace stiffening Structures (B. Denkena, C. Schmidt, P. Weber*)
Graphical Evaluation Method for Void Distribution in direct Energy Deposition (R. Koike*a, R. Ashidaa, K. Yamazakia, Prof. Y. Kakinumaa, Prof. T. Aoyamaa, Y. Odab, T. Kuriya, M. Fujishimab)
High Speed Cutting of Carbon Fiber reinforced Plastics (E. Uhlmann, F. Sammler*, S. Richarz)
Investigation of Chip Formation and Workpiece Load when Machining Carbon-Fiber-reinforced-Polymer (CFRP) (M. Zimmermann, L. Heberger*, F. Schneider, C. Egen, Jan C. Aurich)
Automated and cost-efficient Production of hybrid Sheet Moulding Compound Aircraft Components (M. Fette)
Influence of the Quality of Rivet Holes in Carbon Fiber reinforced Polymer (CFRP) on the Connection Stability (L. Heberger*, B. Kirsch, T. Donhauser, S. Nissle, M. Gurka, S. Schmeer, J. C. Aurich)

Lesen Sie New Production Technologies in Aerospace Industry (Berichte aus dem IFW) von TEWISS für online ebookNew Production Technologies in Aerospace Industry (Berichte aus dem IFW) von TEWISS Kostenlose PDF d0wnl0ad, Hörbücher, Bücher zu lesen, gute Bücher zu lesen, billige Bücher, gute Bücher, Online-Bücher, Bücher online, Buchbesprechungen epub, Bücher lesen online, Bücher online zu lesen, Online-Bibliothek, greatbooks zu lesen, PDF Beste Bücher zu lesen, Top-Bücher zu lesen New Production Technologies in Aerospace Industry (Berichte aus dem IFW) von TEWISS Bücher online zu lesen.Online New Production Technologies in Aerospace Industry (Berichte aus dem IFW) von TEWISS ebook PDF herunterladenNew Production Technologies in Aerospace Industry (Berichte aus dem IFW) von TEWISS DocNew Production Technologies in Aerospace Industry (Berichte aus dem IFW) von TEWISS MobipocketNew Production Technologies in Aerospace Industry (Berichte aus dem IFW) von TEWISS EPub