

Samenvatting Microfrezen van matrijzen

Publicaties:

P. Li, R.S. Blom, J.A.J. Oosterling, M. Achtsnick, "Design Requirements of an Advanced Micromilling Setup," in Proceeding of the 4th International Conference on Manufacturing Research Conference, Liverpool, UK, 2006, 403-407.

P. Li, J.A.J. Oosterling, A.M. Hoogstrate, "Performance evaluation of micromilling of hardened tool steel," In: Proceeding of the 2nd International Conference on Micromanufacturing, Greenville, USA, 2007, 219-224.

P. Li, J.A.J. Oosterling, A.M. Hoogstrate, H.H. Langen, "Improvement of micro endmill geometry for micro hard milling application," In: proceeding of the 10th Euspen conference, Zurich, Switzerland, 2008, 157-160.

P. Li, J.A.J. Oosterling, A.M. Hoogstrate, H.H. Langen, "Improved method for the cutting coefficients calculation in micromilling force modeling," In: proceeding of the 10th Euspen conference, Zurich, Switzerland, 2008, 161-164.

R.S. Blom, P. Li, H.H. Langen, P.M.J. Van den Hof, R.H. Munnig Schmidt, "Micro-milling with active magnetic bearing spindles," In: proceeding of the 10th Euspen conference, Zurich, Switzerland, 2008, 526-529.

P. Li, A.M. Hoogstrate , J.A.J. Oosterling, H.H. Langen, R.H. Munnig Schmidt, "Experimental validation of micro endmill design for hard milling application," In: Proc. of 3rd Inter. Conf. High Performance Cutting, Dublin, Ireland, 2008, 69-78.

P. Li, P. Aristimuno, P. Arrazola, A.M. Hoogstrate , J.A.J. Oosterling, H.H. Langen, R.H. Munnig Schmidt, "A study of factors affecting the performance of micro square endmills in milling of hardened tool steels," 4M international conference, Cardiff, UK, 2008.

P. Li, M. Rozing, A.M. Hoogstrate , J.A.J. Oosterling, H.H. Langen, R.H. Munnig Schmidt, "Design of the Neck Geometry to Improve the Stiffness of Micro," ICFDM international conference, Tianjin, China, 2008.

P. Li, P. Aristimuno, P. Arrazola, A.M. Hoogstrate , J.A.J. Oosterling, H.H. Langen, R.H. Munnig Schmidt, "Experimental study of the surface roughness of hardened tool steel Böhler W300 milled by micro square endmills," ICFDM international conference, Tianjin, China, 2008.

P. Li, A.M. Hoogstrate , J.A.J. Oosterling, H.H. Langen, R.H. Munnig Schmidt, "Study of the relation between cutting tool conditions and machined surfaces in micro square endmilling", Euspen conference, San Sebastian, Spain, 2009.

P. Li, A.M. Hoogstrate , J.A.J. Oosterling, H.H. Langen, R.H. Munnig Schmidt, "Design of micro square endmills for hard milling applications", (journal paper draft in review)

P. Li, P. Aristimuno, P. Arrazola, A.M. Hoogstrate , J.A.J. Oosterling, H.H. Langen, R.H. Munnig Schmidt, "Analysis of factors influencing wear of micro square endmills in machining of hardened tool steels (SAE H11)", (journal paper draft in review)

P. Li,D. Zebski, J. Tan, J.A.J. Oosterling, H.H. Langen, D. Allen, R.H. Munnig Schmidt, "A knowledge-based method to machine micro ribs with high aspect ratios", (journal paper draft being written)

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