

PRECISION PROCESSING AND MICROTOPOGRAPHICAL CHARACTERISATION OF TOOLING INSERTS FOR INJECTION MOULDS

BLIEDTNER, J.; BUERGER, W.; ROSENKRANZ, S.;
MUELLER, W. & FROEHLICH, M.

Abstract: Ranges of plastic parts with optical surfaces can increasingly be manufactured in accordance with the users' demands at a high quality level, due to the technical development towards high-precision manufacturing in the field of injection moulding. Optical surfaces of plastic parts have to be of high quality for functional reasons. In the present case, the user of such components demands that the optically effective flat surfaces have a square value of the average surface roughness R_q of ≤ 10 nm.

Key words: model based systems, scheduling and planning, predicate transition petri nets, simulation, specification, verification



Authors' data: Prof. **Bliedtner**, J.[ens], **Buerger**, W.[olfgang], **Rosenkranz**, S.[andy], **Mueller** W., **Froehlich**, M[aik], University of Applied Sciences Jena, Department SciTec, Carl-Zeiss-Promenade 2, D-07745, Jena, Germany, Fresnel Optics GmbH, Flurstedter Marktweg 13, D-099510 Apolda, Germany, JENOPTIK Polymer Systems GmbH, Am Sandberg 2, D-07819 Triptis, Germany, Jens.Bliedtner@fh-jena.de, Wolfgang.Buerger@fh-jena.de, sandy.rosenkranz@fresnel-optics.de, maik.froehlich@jenoptik-ps.de

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