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Dept.: Institute of Manufacturing Technology
Dept. of Machining Technology
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Education and academic qualification

- 1957, Ing., Army Technical School in Brno, branch vojensko industrial
- 1968, CSC., Faculty mechanical VUT in Brno, branch engineering technology
- 1999, Doc., Faculty mechanical VUT in BRNO

Career overview

- 1957-1963, technologist, Adamovske machine-works, Adamov
- 1964-1975, designer, Projektovy and evolutionary institution VUT in Brno
- 1976-dosud, senior lecturer, Institution engineering technology FSI VUT in Brno

Scientific activities

- Engineering technology. Technology cutting. Accuracy cutting. Manufacturing process. Dimensional systems. Reliability production system.

University activities

- 2000- 2003, leadership union technology cutting, Institution engineering technology

Non-University activities

- 1996-2005, full member advisory board periodical Engineering technology

Supervised courses:

- Applied theory of machining (HAO)
- Applied theory of machining (HAO-K)
- Selected chapters from machining (HTR)
- Selected chapters from machining (HTR-K)
- Technological preparation of production (HTV)
- Technological preparation of production (HTV-K)

Publications:

- PROKOP, J.:
Hodnocení kvality povrchu po frézování,
Frézování IV, pp.139-146, ISBN 80-214-3239-X, (2007), FSI VUT v Brně
conference paper
akce: Frézování IV, FSI VUT v Brně, 31.01.2007-31.01.2007

Abstracts of most important papers:

- PROKOP, J.:
Hodnocení kvality povrchu po frézování,
Frézování IV, pp.139-146, ISBN 80-214-3239-X, (2007), FSI VUT v Brně
conference paper
akce: Frézování IV, FSI VUT v Brně, 31.01.2007-31.01.2007
Analysis of technological aspects of milled surface quality parameters
- DVOŘÁK, M.; PROKOP, J.:
Technologické aspekty válcování závitů,
FORM 2006, Forming Technology, Tools and Machines, pp.Poster 2-1-3, ISBN 80-214-3231-4, (2006), Brno University of Technology
conference paper
akce: 37. mezinárodní konference Experimentální analýza napětí EAN'99 , Frenštát pod Radhoštěm , 01.06.1999-03.06.1999
The rolling of outer threads with thread-rolling die heads is to be used as an integral part of the cutting process of machine parts with rotary shapes. The paper presents the technological identification of rolling process in connection to the previous cutting operations. The separate part contains the analysis of problems of the determination of dimension and shape of semi-product for the rolling process of the selected types of thread profiles. Common considerations are supplemented with the applications of the rolling of metrical thread with thread-rolling die head on center lathe.
- Kocman Karel, Prof. Ing. DrSc. Prokop Jaroslav, Doc. Ing. CSc.:
Cutting Tools for Hard Material Turning,
Manufacturing TECHNOLOGY, Vol.2004, (2004), No.4, pp.5-10, ISSN 1213-2489
journal article
The process of hard materials lathe turning takes its course specific technological conditions differing from the standard machining conditions. Special conditions are laid on the available materials for tools, in particular coated sintered carbides, polycrystalline boron nitride, polycrystalline diamond and cutting ceramics.
- BUMBÁLEK, B., PROKOP, J., PROKOP, J.:
Obrábění kalených materiálů,
Technik, Vol.VIII, (2000), No.4, pp.22-23, ISSN 2100-616X
journal article
Progressive tool materials permit the large exploitation during machining of hardened materials. In the paper there is technological identification of turning machining process of hardened steel, the mechanism of chip creation cutting forces, wear of the CBN tool, parameters of machined surface. The contribution is completed by real results during turning of hardened bearing steel.
- KOČMAN, K., PROKOP, J., PROKOP, J.:
Technologická identifikace polohy děr ve strojírenských součástech,
V. Medzinárodná konferencia Nové smery vo výrobných technológiách, pp.251-254, ISBN 80-7099-524-6, (2000), Fakulta výrobných technológií Technickej univerzity v Košiciách s osídlo v Prešove
conference paper