

OBSAH

CONTENT

Analysis of selected interchangeable cutting inserts made of cemented carbide Karel Šramhauser, Nataša Náprstková, Pavel Kraus	1
Analysis of the process of shaping hard coatings in terms of technological parameters Tomáš Zatloukal, Miroslav Gombár, Jan Řehoř, Jaroslava Fulemová, Michal Povolný	2
Approaches to checking non-contact eye tonometers Jan Rybář, Vítězslav Suchý, Peter Pavlásek, Stanislav Ďuriš, Miroslav Chytil	3
Asymmetrically loaded bearings in power industry Marek Urban, Katarína Monková, Jan Řehoř	4
CAE for optimization of manufacturing tools Vojtěch Rulc, Jiří Křižan, Hynek Purš	5
Development of new tool system for productive machining of very precise holes Stanislav Fiala, Jiří Plíšek, Karel Kouřil, Jan Řehoř, Jaroslava Fulemová, Michal Povolný	6
Effect of Selected Cutting Conditions on Surface Roughness after Grinding of Hardened Steel 100Cr6 Martin Novák, Nataša Náprstková	7
Evaluation of abrasive wear of selected hard weld deposit materials Miroslava Ťavodová, Daniela Kalincová, Richard Hnilica	8
Fast temperature measurement in laser technologies by infrared detectors Jiří Martan, Martin Kučera, Aleš Franc	9
Grinding of Tool Steel VACO 180 using SiC Grinding Wheels with Varying Cutting Speeds and Depths of Cut Jindřich Farský, Tomáš Bakša, Miroslav Zetek	10
Influence of cutting edge preparation conditions on the cutting edge radius and surface roughness Boris Pätoprstý, Peter Pokorný, Tomáš Vopát, Marek Vozár, Vladimír Šimna	11
Influence of Helix Orientation of the Monolithic End Mill Tool on Selected Cutting Process Parameters Ondřej Hronek, Miroslav Zetek, Tomáš Bakša, Tomáš Slabý	12
Influence of Nanocomposite coatings Technology on friction coefficient Jan Novotný, Štefan Michna	13

Influence of the clamping type and reamer overhang on the plasticity of clamping system Michal Povolný, Jaroslava Fulemová, Jan Řehoř, Gombár Miroslav, Michal Křížek, Tomáš Kavalír, Tomáš Zatloukal	14
Influence thermoplastic deformation initiated turning operation on the consecutive plasma nitridation and Barkhausen noise Miroslav Neslušán, Anna Mičietová, Juraj Uríček, Mária Čilliková	15
Investigation of modal characteristics of taps in relation to their tool wear Peter Monka, Katarina Monkova, Jozef Jurko, Jozef Tkac, Lukas Blasko, Ondrej Petruska	16
Multi-criteria analysis of drag finishing the cutting edges of solid carbide mills Marek Vozár, Jozef Peterka, Tomáš Vopát, Boris Pätoprstý	17
New TNC cycles for the shop trend of skiving Eva Klocová, HEIDENHAIN s.r.o.	18
Relationship between processing of aluminium alloys and the appearance of their anodized surfaces Antonín Kříž	19
“Seiso” – The cleaning of industrial equipments Nicolae Ungureanu, Miorita Ungureanu	20
Selective Laser Sintering Research of some Refractory Powders Gabriel Nicodim Ciușca	21
The development of alternative technologies for hydrodynamic industrial bearings lining application by thermal spraying and laser cladding Šárka Houdková, Jiří Halml, Jan Schubert, Tomáš Skopeček, Petra Frková, Ondřej Šubrt	22
Titanium and technological problems of its machining Dr.h.c. prof. Ing. Karol Vasilko, DrSc.	23
Traditional milling strategies versus iMachining technology Ivan Cimr, SolidVision, s.r.o.	24