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Author: Knapcikova, L. -CITATIONS

Title: Investigation of used Conveyor Belts by the Differential Scanning Calorimetry Analysis

Author(s): Knapcikova, L (Knapcikova, Lucia); Balog, M (Balog, Michal); Mindas, M (Mindas, Miroslav); Husar, J (Husar, Jozef)

Source: TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS **Volume:** 5 **Issue:** 1 **Pages:** 21-24 **DOI:** 10.18421/TEM51-03 **Published:** FEB 2016

Times Cited in Web of Science Core Collection: 3

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Record 1 of 3

Title: Technological Aspects of Returnable Material Introducing within Die Casting Technology

Author(s): Gaspar, S (Gaspar, Stefan); Pasko, J (Pasko, Jan)

Source: TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS **Volume:** 5 **Issue:** 4 **Pages:** 441-445 **DOI:** 10.18421/TEM54-05 **Published:** NOV 2016

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Dobransky J, 2016, TEM J, V5, P175, DOI 10.18421/TEM52-09
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Author Keywords: Die casting; returnable material; cast quality

KeyWords Plus: PRODUCTS

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Title: Material recycling of some automobile plastics waste

Author(s): Knapcikova, L (Knapcikova, Lucia); Balog, M (Balog, Michal); Husar, J (Husar, Jozef); Szilagyi, E (Szilagyi, Erik)

Source: PRZEMYSL CHEMICZNY **Volume:** 95 **Issue:** 9 **Pages:** 1716-1720 **DOI:** 10.15199/62.2016.9.12 **Published:** SEP 2016

Times Cited in Web of Science Core Collection: 0

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Record 3 of 3

Title: Specific Pressure and Mechanical Properties of the Alternator Flange from EN AC 47100 Alloy in HPDC Technology

Author(s): Gaspar, S (Gaspar, Stefan); Pasko, J (Pasko, Jan); Majernik, J (Majernik, Jan)

Source: TEM JOURNAL-TECHNOLOGY EDUCATION MANAGEMENT INFORMATICS **Volume:** 5 **Issue:** 2 **Pages:** 160-164 **DOI:** 10.18421/TEM52-06 **Published:** MAY 2016

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Yin DL, 2011, KOVOVE MATER, V49, P37, DOI 10.4149/km_2011_1_37
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Author Keywords: Die casting; specific pressure; casting; mechanical properties

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Title: ROUGHNESS PARAMETERS CALCULATION BY MEANS OF ON-LINE VIBRATION MONITORING EMERGING FROM AWJ INTERACTION WITH MATERIAL

Author(s): Hreha, P (Hreha, Pavol); Radvanska, A (Radvanska, Agata); Knapcikova, L (Knapcikova, Lucia); Krolczyk, GM (Krolczyk, Grzegorz M.); Legutko, S (Legutko, Stanislaw); Krolczyk, JB (Krolczyk, Jolanta B.); Hloch, S (Hloch, Sergej); Monka, P (Monka, Peter)

Source: METROLOGY AND MEASUREMENT SYSTEMS **Volume:** 22 **Issue:** 2 **Pages:** 315-326 **DOI:** 10.1515/mms-2015-0024 **Published:** JUN 2015

Times Cited in Web of Science Core Collection: 7

Record 1 of 7

Title: HS 6-5-2 STEEL SURFACE LAYER DEVELOPMENT IN CARBONITRIDING WITH ZEROFLOW METHOD

Author(s): Jozwik, J (Jozwik, Jerzy); Dziedzic, K (Dziedzic, Krzysztof); Usydus, I (Usydus, Ireneusz); Raos, P (Raos, Pero); Krolczyk, GM (Krolczyk, Grzegorz M.)

Source: TEHNICKI VJESNIK-TECHNICAL GAZETTE **Volume:** 23 **Issue:** 5 **Pages:** 1405-1409 **DOI:** 10.17559/TV-20150402150811 **Published:** OCT 2016

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Language: English

Document Type: Article

Author Keywords: carbonitriding; microhardness; nitriding; oxidation; surface layer

KeyWords Plus: STAINLESS-STEEL; ROUGHNESS

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Title: Metrological changes in surface morphology of high-strength steels in manufacturing processes

Author(s): Krolczyk, GM (Krolczyk, G. M.); Krolczyk, JB (Krolczyk, J. B.); Maruda, RW (Maruda, R. W.); Legutko, S (Legutko, S.); Tomaszewski, M (Tomaszewski, M.)

Source: MEASUREMENT **Volume:** 88 **Pages:** 176-185 **DOI:** 10.1016/j.measurement.2016.03.055 **Published:** JUN 2016

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Total Times Cited: 11

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Author Keywords: Surface metrology; Surface morphology; Surface topography; Hardox;

High-strength steels

KeyWords Plus: LUBRICATED CONDITIONS; ROUGHNESS PARAMETERS; GEOMETRIC STRUCTURE; HARDENED STEEL; ALLOY; STAINLESS; WEAR; DESIGN; DRY

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Title: RECOGNITION OF ACOUSTIC SIGNALS OF INDUCTION MOTORS WITH THE USE OF MSAF10 AND BAYES CLASSFIER

Author(s): Glowacz, A (Glowacz, A.)

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Title: Copper alloys disintegration using pulsating water jet

Author(s): Lehocka, D (Lehocka, D.); Klich, J (Klich, J.); Foldyna, J (Foldyna, J.); Hloch, S (Hloch, S.); Krolczyk, JB (Krolczyk, J. B.); Carach, J (Carach, J.); Krolczyk, GM (Krolczyk, G. M.)

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Author Keywords: Pulsating water jet; Generation of pulses; Disintegration; Surface morphology; Copper alloys

KeyWords Plus: BONE

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Title: Investigation of the effect of cutting speed on surface quality in abrasive water jet cutting of 316L stainless steel

Author(s): Loschner, P (Loschner, Piotr); Jarosz, K (Jarosz, Krzysztof); Nieslony, P (Nieslony, Piotr)

Edited by: Hloch S; Krolczyk G

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Author Keywords: stainless steel; abrasive water jet; cutting; machining marks; surface roughness

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Record 6 of 7

Title: WEAR CHARACTERISTICS AND DEFECTS ANALYSIS OF FRICTION STIR WELDED JOINT OF ALUMINIUM ALLOY 6061-T6

Author(s): Kumar, R (Kumar, Ratnesh); Chattopadhyaya, S (Chattopadhyaya, Somnath); Hloch, S (Hloch, Sergej); Krolczyk, G (Krolczyk, Grzegorz); Legutko, S (Legutko, Stanislaw)

Source: EKSPLOATACJA I NIEZAWODNOSC-MAINTENANCE AND RELIABILITY **Volume:** 18 **Issue:** 1 **Pages:** 128-135 **Published:** 2016

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Author Keywords: Friction stir welding (FSW); Wear; Defect; Grinding Machine; Field Emission Scanning Electron Microscope (FESEM)

KeyWords Plus: PARAMETERS; STEEL

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Record 7 of 7

Title: Theoretical and Experimental Research of Error of Method of Thermocouple with Controlled Profile of Temperature Field

Author(s): Jun, S (Jun, Su); Kochan, O (Kochan, O.); Chunzhi, W (Chunzhi, Wang); Kochan, R (Kochan, R.)

Source: MEASUREMENT SCIENCE REVIEW **Volume:** 15 **Issue:** 6 **Pages:** 304-312 **DOI:** 10.1515/msr-2015-0041 **Published:** DEC 2015

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Author Keywords: Thermocouple; inhomogeneity of thermocouple; controlled profile of temperature field; measurement error; error of method

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Title: INVESTIGATION OF SANDWICH MATERIAL SURFACE CREATED BY ABRASIVE WATER JET (AWJ) VIA VIBRATION EMISSION

Author(s): Hreha, P (Hreha, P.); Hloch, S (Hloch, S.); Monka, P (Monka, P.); Monkova, K (Monkova, K.); Knapcikova, L (Knapcikova, L.); Hlavacek, P (Hlavacek, P.); Zelenak, M (Zelenak, M.); Samardzic, I (Samardzic, I.); Kozak, D (Kozak, D.)

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Record 1 of 4

Title: MUTUAL COLLISION OF WATER JETS FROM ADJACENT HIGH PRESSURE FLAT JET NOZZLES ON FLAT SURFACES DURING HYDRAULIC DESCALING

Author(s): Pohanka, M (Pohanka, Michal); Raudensky, M (Raudensky, Miroslav); Hwang, JY (Hwang, Jong Yeon); You, JW (You, Jong Woo); Lee, SH (Lee, Sang Hyeon)

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Author Keywords: descaling; interaction; jet; nozzle; measurement; stream

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Record 2 of 4

Title: RESEARCH ON SURFACE ROUGHNESS OF CIRCULAR ARC CUT BY ASJ

Author(s): Wang, FC (Wang, Fengchao); Guo, CW (Guo, Chuwen); Zhao, W (Zhao, Wei); Zhu, L (Zhu, Li)

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Wojciechowski S, 2014, METROL MEAS SYST, V21, P145, DOI 10.2478/mms-2014-0014

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Author Keywords: ASJ (abrasive suspension jet); circular arc cutting; roughness; surface topography

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Title: ON-LINE MONITORING OF TECHNOLOGICAL PROCESS OF MATERIAL ABRASIVE WATER JET CUTTING

Author(s): Kinik, D (Kinik, Daniel); Ganovska, B (Ganovska, Beaa); Hloch, S (Hloch, Sergej); Monka, P (Monka, Peter); Monkova, K (Monkova, Katarina); Hutyrova, Z (Hutyrova, Zuzana)

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Title: Determination of vibration frequency depending on abrasive mass flow rate during abrasive water jet cutting

Author(s): Hreha, P (Hreha, Pavol); Radvanska, A (Radvanska, Agata); Hloch, S (Hloch, Sergej); Perzel, V (Perzel, Vincent); Krolczyk, G (Krolczyk, Grzegorz); Monkova, K (Monkova, Katarina)

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Author(s): Hloch, S (Hloch, Sergej); Kl'oc, J (Kl'oc, Jan); Hreha, P (Hreha, Pavol); Magurova, D (Magurova, Dagmar); Kozak, D (Kozak, Drazan); Knapcikova, L (Knapcikova, Lucia)
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Title: SEM/EDX, XPS, CORROSION AND SURFACE ROUGHNESS CHARACTERIZATION OF AISI 316L SS AFTER ELECTROCHEMICAL TREATMENT IN CONCENTRATED HNO3
Author(s): Rokosz, K (Rokosz, Krzysztof); Hryniewicz, T (Hryniewicz, Tadeusz); Raaen, S (Raaen, Steinar); Valicek, J (Valicek, Jan)
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Author Keywords: AISI 316L SS; corrosion characteristics; electrochemical treatment; HNO3; surface roughness; XPS

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Author(s): Kmec, J (Kmec, Jan); Hreha, P (Hreha, Pavol); Hlavacek, P (Hlavacek, Petr); Zelenak, M (Zelenak, Michal); Harnicarova, M (Harnicarova, Marta); Kubena, V (Kubena, Vlastimil); Knapcikova, L (Knapcikova, Lucia); Macej, T (Macej, Tomas); Duspara, M (Duspara, Miroslav); Cumin, J (Cumin, Josip)

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Title: Potential use of vibration for metrology and detection of surface topography created by abrasive waterjet

Author(s): Hreha, P (Hreha, Pavol); Hloch, S (Hloch, Sergej)

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Record 3 of 5

Title: USING WATERJET IN REVERSE LOGISTIC OPERATIONS IN DISCARDED MUNITIONS PROCESSING

Author(s): Hloch, S (Hloch, Sergej); Tozan, H (Tozan, Hakan); Yagimli, M (Yagimli, Mustafa); Valicek, J (Valicek, Jan); Rokosz, K (Rokosz, Krzysztof)

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WALLACE CB, 1994, PLASMA SCI, P142, DOI 10.1109/PLASMA.1994.588899

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KeyWords Plus: DISPOSAL; DEMILITARIZATION

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Title: USE OF THE INDENTATION TESTS FOR THE EVALUATION OF MACHINABILITY OF MATERIALS DURING ABRASIVE WATERJET CUTTING

Author(s): Hlavacek, P (Hlavacek, Petr); Valicek, J (Valicek, Jan); Brumek, J (Brumek, Jan); Zelenak, M (Zelenak, Michal); Haluzikova, B (Haluzikova, Barbora); Harnicarova, M (Harnicarova, Marta); Szarkova, V (Szarkova, Veronika)

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Abstract: The paper deals with the possibilities of using the indetation tests for the evaluation of machinability of materials during abrasive water jet cutting. Indentation tests are used to simulate the interaction between abrasive particles and material during the process of abrasive water jet cutting. On the basis of these tests the machinability of materials can be characterized. The machinability of materials is very important for optimization of the technological process parameters of abrasive water jet cutting, which affect the quality, performance and economy of the entire process.

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Conference Location: Smolenice Castle, SLOVAKIA

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KeyWords Plus: MODEL

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Title: Proposal of discarded munitions flow in its athermical liquidation by waterjet

Author(s): Hloch, S (Hloch, S.); Valicek, J (Valicek, J.); Tozan, H (Tozan, H.); Yagimli, M (Yagimli, M.)

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KeyWords Plus: DISPOSAL; DEMILITARIZATION; WASTE

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