

Metrological changes in surface morphology of high-str processes

Measurement: Journal of the International Measurement Conf
88, 176-185

DOI: [10.1016/j.measurement.2016.03.055](https://doi.org/10.1016/j.measurement.2016.03.055)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Diagnostics of Rotor Damages of Three-Phase Induction Motors Using Acoustic Signals and SMOFS-20-EXPANDED. Archives of Acoustics, 2016, 41, 507-515.	0.9	45
2	Surface morphology analysis of Duplex Stainless Steel (DSS) in Clean Production using the Power Spectral Density. Measurement: Journal of the International Measurement Confederation, 2016, 94, 464-470.	2.5	98
3	Evaluation and systematic selection of significant multi-scale surface roughness parameters (SRPs) as process monitoring index. Journal of Materials Processing Technology, 2017, 244, 157-165.	3.1	34
4	Experimental description of strength and tribological characteristic of EFB oil palm fibres/epoxy composites with technologically undemanding preparation. Composites Part B: Engineering, 2017, 122, 79-88.	5.9	45
5	Wear mechanisms and surface topography of artificial hip joint components at the subsequent stages of tribological tests. Measurement: Journal of the International Measurement Confederation, 2017, 107, 89-98.	2.5	24
6	Surface texture formation in precision machining of direct laser deposited tungsten carbide. Advances in Manufacturing, 2017, 5, 251-260.	3.2	15
7	On the biotribology of total knee replacement: a new roughness measurements protocol on in vivo condyles considering the dynamic loading from musculoskeletal multibody model. Measurement: Journal of the International Measurement Confederation, 2017, 112, 22-28.	2.5	19
8	Problem of Non-Measured Points in Surface Texture Measurements. Metrology and Measurement Systems, 2017, 24, 525-536.	1.4	41
9	Multi-sensor measurements of titanium alloy surface texture formed at subsequent operations of precision machining process. Measurement: Journal of the International Measurement Confederation, 2017, 96, 8-17.	2.5	29
10	The effect of primers on adhesive properties and strength of adhesive joints made with polyurethane adhesives. Journal of Adhesion Science and Technology, 2017, 31, 327-344.	1.4	26
11	Surface integrity studies on abrasive water jet cutting of AISI D2 steel. Materials and Manufacturing Processes, 2017, 32, 162-170.	2.7	40
12	Comparative assessment of the mechanical and electromagnetic surfaces of explosively clad Ti-steel plates after drilling process. Precision Engineering, 2017, 47, 104-110.	1.8	61
13	Surface integrity of bored super duplex stainless steel SAF 2507. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 2649-2658.	0.8	4
14	Transfer of metallic debris after in vitro ceramic-on-metal simulation: Wear and degradation in Biolox Δ Delta composite femoral heads. Composites Part B: Engineering, 2017, 115, 477-487.	5.9	11
15	Effects of different cutting conditions on the surface roughness parameters of iron-copper-carbon powder metallurgy composites. International Journal of Machining and Machinability of Materials, 2017, 19, 440.	0.1	2
16	A Tailored Ontology Supporting Sensor Implementation for the Maintenance of Industrial Machines. Sensors, 2017, 17, 2063.	2.1	16
17	Tool life of ceramic wedges during precise turning of tungsten. MATEC Web of Conferences, 2017, 94, 02008.	0.1	3
18	The use of 3d scanner for testing changes in shape of human limbs under the influence of external mechanical load. E3S Web of Conferences, 2017, 19, 03024.	0.2	1

#	ARTICLE	IF	CITATIONS
19	Investigation of the influence of coolant-lubricant modification on selected effects of pull broaching. E3S Web of Conferences, 2017, 19, 03032.	0.2	1
20	Estimation of uncertainty of laser interferometer measurement in industrial robot accuracy tests. ITM Web of Conferences, 2017, 15, 04005.	0.4	1
21	Identification of internal defects of hardfacing coatings in regeneration of machine parts. E3S Web of Conferences, 2017, 19, 03025.	0.2	2
22	Uncertainty measurement with the kinematic telescopic bar during industrial robot inaccuracy tests. ITM Web of Conferences, 2017, 15, 04013.	0.4	2
23	Application of optical scanning system to determine the machining allowances. MATEC Web of Conferences, 2017, 112, 01002.	0.1	2
24	Characteristics of geometric structure of the surface after grinding. MATEC Web of Conferences, 2017, 94, 02007.	0.1	4
25	Investigations of Surface Topography of Hot Working Tool Steel Manufactured with the Use of 3D Print. MATEC Web of Conferences, 2017, 137, 02004.	0.1	5
26	Shot peening optimization with complex decision-making tool: Multi criteria decision-making. Measurement: Journal of the International Measurement Confederation, 2018, 125, 133-141.	2.5	27
27	Mechanical properties and abrasive wear of white/brown coir epoxy composites. Composites Part B: Engineering, 2018, 146, 88-97.	5.9	51
28	Determination of the working gap and optimal machining parameters for magnetic assisted ball burnishing. Measurement: Journal of the International Measurement Confederation, 2018, 118, 172-180.	2.5	26
29	Analysis of relation between the 3D printer laser beam power and the surface morphology properties in Ti-6Al-4V titanium alloy parts. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	36
30	Evaluation of cracks with different hidden depths and shapes using surface magnetic field measurements based on semi-analytical modelling. Journal Physics D: Applied Physics, 2018, 51, 125002.	1.3	7
31	The machining process and multi-sensor measurements of the friction components of total hip joint prosthesis. Measurement: Journal of the International Measurement Confederation, 2018, 116, 56-67.	2.5	18
32	Surface quality and topographic inspection of variable compliance part after precise turning. Applied Surface Science, 2018, 434, 91-101.	3.1	104
33	Evaluation of Tribological Properties and Condition of Ti6Al4V Titanium Alloy Surface. Tehnicki Vjesnik, 2018, 25, .	0.3	7
34	No Clamp Robotic Assembly with Use of Point Cloud Data from Low-Cost Triangulation Scanner. Tehnicki Vjesnik, 2018, 25, .	0.3	2
35	Low-Cycle Fatigue Behavior of 10CrNi3MoV High Strength Steel and Its Undermatched Welds. Materials, 2018, 11, 661.	1.3	32
37	Determining surface roughness of machining process types using a hybrid algorithm based on time series analysis and wavelet transform. International Journal of Advanced Manufacturing Technology, 2018, 97, 2603-2619.	1.5	21

#	ARTICLE	IF	CITATIONS
38	Accurate measurement of dry friction coefficient using reciprocating tribometer. , 2018, , .		3
39	Model Selection and Quality Estimation of Time Series Models for Artificial Technical Surface Generation. Technologies, 2018, 6, 3.	3.0	10
40	Using artificial intelligence models for the prediction of surface wear based on surface isotropy levels. Robotics and Computer-Integrated Manufacturing, 2018, 53, 215-227.	6.1	61
41	A machine-learning based solution for chatter prediction in heavy-duty milling machines. Measurement: Journal of the International Measurement Confederation, 2018, 128, 34-44.	2.5	40
42	Investigation on the influence of aerostatic pressure upon surface generation in flycutting. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 1136-1143.	1.5	6
43	Characterization and Correction of the Geometric Errors in Using Confocal Microscope for Extended Topography Measurement. Part I: Models, Algorithms Development and Validation. Electronics (Switzerland), 2019, 8, 733.	1.8	3
44	Experimental investigation of surface morphological changes during end milling of nimonic 263. Surface Topography: Metrology and Properties, 2019, 7, 045018.	0.9	9
45	Experimental investigations on abrasive water jet machining of nickel-based superalloy. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	18
46	Effect of cutting parameters on surface integrity characteristics of Ti-6Al-4V in abrasive water jet machining process. Materials Research Express, 2019, 6, 116583.	0.8	8
47	Computer measurement of the friction of thin metal structure created in PVD technology on the flexible substrate. MATEC Web of Conferences, 2019, 252, 09005.	0.1	1
48	Confidence Distance Matrix for outlier identification: A new method to improve the characterizations of surfaces measured by confocal microscopy. Measurement: Journal of the International Measurement Confederation, 2019, 137, 484-500.	2.5	12
49	Measurement and analysis on the sensitization behavior of SS-304 welds using Nb-based stabilization through flux-coated gas tungsten arc welding. Measurement and Control, 2019, 52, 879-887.	0.9	4
50	Effects of vibratory finishing of 304 stainless steel samples on areal roughness parameters: A correlational analysis for anisotropy parameters. Journal of Materials Processing Technology, 2019, 273, 116256.	3.1	12
53	Influence of hydrostatic burnishing strategy on the surface topography of martensitic steel. Measurement: Journal of the International Measurement Confederation, 2019, 138, 590-601.	2.5	43
54	Experimental Comparison on Dental BioTribological Pairs Zirconia/Zirconia and Zirconia/Natural Tooth by Using a Reciprocating Tribometer. Journal of Medical Systems, 2019, 43, 97.	2.2	15
55	Comparison of ultrasonically enhanced pulsating water jet erosion efficiency on mechanical surface treatment on the surface of aluminum alloy and stainless steel. International Journal of Advanced Manufacturing Technology, 2019, 103, 1647-1656.	1.5	19
56	Evaluation of surface roughness based on sampling array for rotary ultrasonic machining of carbon fiber reinforced polymer composites. Measurement: Journal of the International Measurement Confederation, 2019, 138, 175-181.	2.5	18
57	Effect of spherical-convex surface texture on tribological performance of water-lubricated bearing. Tribology International, 2019, 134, 341-351.	3.0	41

#	ARTICLE	IF	CITATIONS
58	Flexible calibration of a stereo vision system by active display. <i>Procedia Manufacturing</i> , 2019, 38, 564-572.	1.9	0
59	Characterization and Correction of the Geometric Errors using a Confocal Microscope for Extended Topography Measurement, Part II: Experimental Study and Uncertainty Evaluation. <i>Electronics (Switzerland)</i> , 2019, 8, 1217.	1.8	2
60	Tribological performances of total knee prostheses: Roughness measurements on medial and lateral compartments of retrieved femoral components. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 135, 341-347.	2.5	12
61	T-SAW methodology for parametric evaluation of surface integrity aspects in AlMg3 (AA5754) alloy: Comparison with T-TOPSIS methodology. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 132, 309-323.	2.5	15
62	A proposal of measurement methodology and assessment of manufacturing methods of nontypical cog belt pulleys. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 132, 182-190.	2.5	24
63	Air Jet Erosion Studies on Mg/SiC Composite. <i>Silicon</i> , 2020, 12, 413-423.	1.8	11
64	Multilevel spatial randomness approach for monitoring changes in 3D topographic surfaces. <i>International Journal of Production Research</i> , 2020, 58, 5545-5558.	4.9	7
65	Effect of modified glass fiber on tribological performance of water-lubricated bearing. <i>Polymer Testing</i> , 2020, 81, 106153.	2.3	12
66	Research on characterization of anisotropic and isotropic processing surfaces by characteristic roughness. <i>Journal of Materials Processing Technology</i> , 2020, 275, 116277.	3.1	11
67	3D acquisition and stereo-camera calibration by active devices: A unique structured light encoding framework. <i>Optics and Lasers in Engineering</i> , 2020, 127, 105989.	2.0	28
68	Characterization of the shape of height distribution of two-process profile. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 153, 107387.	2.5	30
69	Investigation of surface integrity in end milling of 55NiCrMoV7 die steel under the cryogenic environments. <i>Machining Science and Technology</i> , 2020, 24, 465-488.	1.4	13
70	Influence of Material Structure on Forces Measured during Abrasive Waterjet (AWJ) Machining. <i>Materials</i> , 2020, 13, 3878.	1.3	10
71	Numerical Simulation and Accuracy Verification of Surface Morphology of Metal Materials Based on Fractal Theory. <i>Materials</i> , 2020, 13, 4158.	1.3	10
72	The multi-scale analysis of ceramic surface topography created in abrasive machining process. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 166, 108217.	2.5	16
73	Industrial Measurements in Machining. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , .	0.3	2
74	Prediction of Parameters of Equivalent Sum Rough Surfaces. <i>Materials</i> , 2020, 13, 4898.	1.3	12
75	Effect of Glow-Discharge Plasma Treatment on Contact Angle and Micromorphology of Bamboo Green Surface. <i>Forests</i> , 2020, 11, 1293.	0.9	14

#	ARTICLE	IF	CITATIONS
76	Optimization of Machining Parameters and Electrochemical Corrosion Behavior of hardened Cr12MoV Mold Steel. International Journal of Electrochemical Science, 2020, , 3646-3659.	0.5	2
77	Bayesian uncertainty evaluation of stitching interferometry for cylindrical surface. Measurement: Journal of the International Measurement Confederation, 2020, 157, 107626.	2.5	7
78	Effect of pulsating water jet disintegration on hardness and elasticity modulus of austenitic stainless steel AISI 304L. International Journal of Advanced Manufacturing Technology, 2020, 107, 2719-2730.	1.5	6
79	Cavitation erosion performance of CVD W/WC coatings. Wear, 2020, 452-453, 203276.	1.5	10
80	Multi-Label Separation-Deviation Surface Model for Detecting Spatial Defects in Topographic Surfaces. IEEE Transactions on Industrial Informatics, 2021, 17, 4555-4565.	7.2	1
82	Multiple Criteria Optimization of Abrasive Water Jet Cutting Using Entropy-VIKOR Approach. Lecture Notes in Mechanical Engineering, 2021, , 50-62.	0.3	4
83	A Novel Hydrophilic PVA Fiber Reinforced Thermoplastic Polyurethane Materials for Water-lubricated Stern Bearing. Fibers and Polymers, 2021, 22, 171-183.	1.1	9
84	Effects of the cooling mode on the integrity and the multi-pass micro-scratching wear resistance of Hardox 500 ground surfaces. International Journal of Advanced Manufacturing Technology, 2021, 113, 2865-2882.	1.5	4
85	Stereometric and Tribometric Studies of Polymeric Pin and Ceramic Plate Friction Pair Components. Materials, 2021, 14, 839.	1.3	5
86	Abrasive Waterjet (AWJ) Forcesâ€™Indicator of Cutting System Malfunction. Materials, 2021, 14, 1683.	1.3	8
87	Surface morphology characterization of unidirectional carbon fibre reinforced plastic machined by peripheral milling. Chinese Journal of Aeronautics, 2022, 35, 361-375.	2.8	5
88	Effect of Material Hardness on Water Lubrication Performance of Thermoplastic Polyurethane under Sediment Environment. Journal of Materials Engineering and Performance, 2021, 30, 7532-7541.	1.2	11
89	Abrasive Waterjet (AWJ) Forcesâ€™Potential Indicators of Machining Quality. Materials, 2021, 14, 3309.	1.3	7
90	Sustainability-Based Characteristics of Abrasives in Blasting Industry. Sustainability, 2021, 13, 8130.	1.6	3
91	Parametric analysis of turning HSLA steel under minimum quantity lubrication (MQL) and nanofluids-based minimum quantity lubrication (NF-MQL): a concept of one-step sustainable machining. International Journal of Advanced Manufacturing Technology, 2021, 117, 1915-1934.	1.5	18
92	Surveying the topography and examining the quality of the machined surface of selected hardened steels in the milling process. Journal of Engineering Research, 2021, 9, .	0.4	2
93	Functional Importance of Surface Texture Parameters. Materials, 2021, 14, 5326.	1.3	80
94	Effect of shot peening intensity on surface integrity of 18CrNiMo7-6 steel. Surface and Coatings Technology, 2021, 421, 127194.	2.2	35

#	ARTICLE	IF	CITATIONS
95	Multiple Response Optimization of Abrasive Water Jet Cutting Process using Response Surface Methodology (RSM). <i>Procedia Computer Science</i> , 2021, 192, 931-940.	1.2	14
96	Multi-criteria Optimization of the Abrasive Waterjet Cutting Process for the High-Strength and Wear-Resistant Steel Hardox®500. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 145-154.	0.3	5
97	INFLUENCE OF THE THICKNESS OF Ni-P COATING APPLIED ON 7075 ALUMINUM ALLOY ON ITS HARDNESS. <i>Advances in Science and Technology Research Journal</i> , 2016, 10, 53-58.	0.4	1
98	INDUSTRIAL ROBOT REPEATABILITY TESTING WITH HIGH SPEED CAMERA PHANTOM V2511. <i>Advances in Science and Technology Research Journal</i> , 2016, 10, 86-96.	0.4	26
99	Investigation of Surface Morphology and Topography Features on Abrasive Water Jet Milled Surface Pattern of SS 304. <i>Journal of Testing and Evaluation</i> , 2020, 48, 2981-2997.	0.4	14
100	Performance and Surface Evaluation Characteristics on Cryogenic-Assisted Abrasive Water Jet Machining of AISI D2 Steel. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2019, , 202-231.	1.0	3
101	Optical measurement of ground cylinder lead angle. , 2019, , .		0
103	An improved device for the 3D optical scanner calibration and related influence factors on calibrating result. , 2020, , .		0
104	Comparative studies of variation in cutting conditions and cutter nomenclature on the surface morphology and the integrity of slot milled nimonic 263 alloy. <i>Surface Topography: Metrology and Properties</i> , 2021, 9, 045035.	0.9	0
105	Surface integrity of tribo-adaptive layer prepared on Ti6Al4V through $\hat{1}/4$ EDC process. <i>Surface and Coatings Technology</i> , 2022, 429, 127922.	2.2	10
106	Influence of tool hardness on tool wear, surface roughness and acoustic emissions during turning of AISI 1050. <i>Surface Topography: Metrology and Properties</i> , 2022, 10, 015016.	0.9	9
107	Tribological Performance of Multiscale Micro-Textured H62 Brass Surface Fabricated by Micro-Milling and Wet Micro-Blasting. <i>Journal of Tribology</i> , 2022, 144, .	1.0	2
108	Improvements of surface tribological properties by magnetic assisted ball burnishing. <i>Surface and Coatings Technology</i> , 2022, 437, 128317.	2.2	12
109	Fracture Surface Behavior of 34CrNiMo6 High-Strength Steel Bars with Blind Holes under Bending-Torsion Fatigue. <i>Materials</i> , 2022, 15, 80.	1.3	7
110	The Correlation of Surface Roughness Parameters of Zirconia and Lithium Disilicate with Steatite Wear. <i>Journal of Prosthodontics</i> , 0, , .	1.7	0
111	Energy Efficiency in CO2 Laser Processing of Hardox 400 Material. <i>Materials</i> , 2022, 15, 4505.	1.3	1
112	Performance evaluation of AlTiN coated carbide tools during machining of ceramic reinforced Cu-based hybrid composites under cryogenic, pure-minimum quantity lubrication and dry regimes. <i>Journal of Composite Materials</i> , 2022, 56, 3401-3421.	1.2	9
113	Experimental study on the effect of the cooling method on surface topography and workpiece integrity during trochoidal end milling of Incoloy 800. <i>Tribology International</i> , 2022, 176, 107899.	3.0	12

#	ARTICLE	IF	CITATIONS
114	Optimization of AWJC Parameters for Ti-6Al-4V Alloy Using ANN-Based GA and PSO. Lecture Notes in Mechanical Engineering, 2023, , 591-606.	0.3	0
115	Robustness Analysis of Gaussian Filters for Surface Texture of Additive Manufacturing Products. , 2022, , .		1
116	Surface metrology as a tool in surfboard manufacturing to assess machinability of expanded polystyrene blanks via CNC milling. Surface Topography: Metrology and Properties, 2022, 10, 044008.	0.9	1
117	Microsurfacing Pavement Solutions with Alternative Aggregates and Binders: A Full Surface Texture Characterization. Coatings, 2022, 12, 1905.	1.2	5
118	Surface Topography Description of Threads Made with Turning on Inconel 718 Shafts. Materials, 2023, 16, 80.	1.3	5
119	Surface Texture and Microstructural Characterization of Thin-Walled Ti6Al4V Part Processed Using Laser Powder Bed Fusion Technique: Effect of Build Direction. Journal of Testing and Evaluation, 2023, 51, 3505-3521.	0.4	0
120	Surface Topography Description after Turning Inconel 718 with a Conventional, Wiper and Special Insert Made by the SPS Technique. Materials, 2023, 16, 949.	1.3	5