

Author/s	Article	in
2018		
Woerz, C.; Reichardt, G.; Liewald, M.; Zahedi, E.; Weber, R.; Graf, T.	Dry deep drawing of a rectangular cup assisted by volatile media injected from laser-drilled microholes	DMFOAJ (2018), Vol. 4, 1-8
Barz, J.; Reichle P.; Umlauf, G.; Günter, E. M. T	Laser Drilling of Tool Steel under Plasma Atmosphere	DMFOAJ (2018), Vol. 4, 9-12
Schöler, S.; Wulff, D.; Yilkiran, D.; Behrens, B.-A.	Inductive heat treatment as an alternative tempering method for the selective oxidation of 1.2379 tool steel surfaces	DMFOAJ (2018), Vol. 4, 13-17
Herrmann, M.; Schenck, C.; Kuhfuss, B.	Graded Structured Tools for Dry Rotary Swaging	DMFOAJ (2018), Vol. 4, 18-24
Klocke, F.; Hild, R.; Trauth, D.; Bobzin, K.; Brögelmann, T.; Kruppe, N.; Arghavani, M.	Einfluss von Oberflächenstrukturierungen auf die Stempelkraft beim Vollvorwärtsfließpressen von 16MnCr5	DMFOAJ (2018), Vol. 4, 25-30
Teller, M.; Hirt, G.; Roß, I.; Küpper, M.; Temmler, A.; Poprawe, R.; Prünte, S.	Einfluss des Handpolierens von Probenkörpern auf Gestaltabweichungen erster Ordnung und das Verschleisverhalten in Tribometerversuchen	DMFOAJ (2018), Vol. 4, 31-34
Tenner, J.; Häfner, T.; Rothammer, B.; Krachenfels, K.; Zhao, R.; Schmidt, M.; Tremmel, S.; Merklein, M.	Influence of laser generated micro textured coated tool surfaces on dry deep drawing processes	DMFOAJ (2018), Vol. 4, 35-46
Tröber, P.; Welm, M.; Weiss, H. A.; Demmel, P.; Golle, R.; Volk, W.	Einfluss verschiedener Prozessparameter auf die Temperaturentwicklung in der Umformzone beim Durchsetzen von Vergütungsstahl	DMFOAJ (2018), Vol. 4, 47-51
Freiße, H.; Schmidt, S.; Seefeld, T.	Characterization of the tribological behaviour of tool surfaces depending on higher contact pressures	DMFOAJ (2018), Vol. 4, 52-58
Prieske, M.; Vollertsen, F.	Force-displacement motions of a lubricated and dry tapering process of an AlMgSi1 alloy	DMFOAJ (2018), Vol. 4, 59-61
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Almohallami, A.; Arghavani, M.; Böhmermann, F.; Freiße, H.; Herrmann, M.; Mousavi, S.A.; Schöler, S.; Scholz, P.; Tenner, J.; Teller, M.; Umlauf, G.; Wulff, D.; Yilkiran, D.; Maier, H.J.	How dry is dry? A critical analysis of surface conditions used in dry metal forming	DMFOAJ (2017), 90-94
Bobzin, K.; Brögelmann, T.; Kruppe, N.C.; Arghavani, M.; Hoffmann, D.C.; Klocke, F.; Mattfeld, P.; Trauth, D.; Hild, R.	Mechanical and tribological characterization of self-lubricating (Cr1-xAlx)N coatings for deposition on complex-shaped forging tools	DMFOAJ (2017), 81-89
Böhmermann, F.; Hermann, M.; Riemer, O.; Kuhfuss, B.	Abrasive Particle Generation in Dry Rotary Swaging	DMFOAJ (2017), 1-6
Börner, R.; Junge, T.; Schubert, A.	Oberflächensimulation und experimentelle Untersuchungen zur Mikrostrukturierung von Stahlwerkstoffen mittels schwingungsüberlagertem Planfräsen im Ultraschallbereich	DMFOAJ (2017), 17-24
Freiße, H.; Hohenäcker, V.; Seefeld, T.; Vollertsen, F.	Laser generated tool surface out of metal matrix composite	DMFOAJ (2017), 41-44
Guillaume, C.; Mousavi, A.; Brosius, A.	Hybrid Deep Drawing Tool for Lubricant Free Deep Drawing	20 th International ESAFORM Conference on Material Forming (2017)
Hild, R.; Feuerhack, A.; Trauth, D.; Arghavani, M.; Kruppe, N.C.; Brögelmann, T.; Bobzin, K.; Klocke, F.	Forward impact extrusion of surface textured steel blanks using coated tooling	ESAFORM 26.-28.04.2017, Dublin, Irland
Klocke, F.; Hild, R.; Trauth, D.; Bobzin, K.; Brögelmann, T.; Kruppe, N.; Arghavani, M.	Trockenumformung von 42CrS4 mittels Vollvorwärtsfließpressen durch strukturierte Halbzeugoberflächen und selbstschmierende Werkzeugbeschichtungen	DMFOAJ (2017), 7-12
Mousavi, A.; Kunze, T.; Roch, T.; Lasagni, A.; Brosius, A.	Deep drawing process without lubrication- an adapted tool for a stable, economic and environmentally friendly process	International Conference on the Technology of Plasticity, Cambridge, UK
Roch, T.; Stepien, L.; Kunze, T.; Mousavi, A.; Topalski, S.; Lasagni, A.; Brosius, A.	Tool Optimization for Dry Forming Applications - Optimized Surface Preparation of ta-C	DMFOAJ (2017), 25-29
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Tröber, P.; Demmel, P.; Weiss, H.A.; Golle, R.; Volk, W.	In-situ Temperaturmessung beim schmierstofffreien Durchsetzen von Vergütungsstahl	DMFOAJ (2017), 13-16
Wörz, C.; Zahedi, E.; Umlauf, G.; Liewald, M.; Weber, R.; Graf, T.; Tovar, G.	Tiefziehen eines U-Profiles mit flüchtigen Medien als Schmierstoffersatz	DMFOAJ (2017), 50-61
Yilkiran, D.; Wulff, D.; Özkaya, F.; Hübner, S.; Holländer, U.; Maier, H.J.; Behrens, B.-A.	Wear Testing of Thermally Oxidised Tool Steel Specimens with α-Fe₂O₃ Layers	DMFOAJ (2017), 45-49

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Abraham, T.; Bräuer, G.; Kretz, F.; Groche, P.	Evaluation of silicon-modified DLC coatings in a dry sliding contact against aluminum EN AW-5083	DMFOAJ (2016), 11-17
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Häfner, T.; Heberle, J.; Dobler, M.; Schmidt, M.	Influences on Incubation in ps Laser Micro-machining of Steel Alloys	Journal of Laser Applications (2016), 0226051-0226056
Häfner, T.; Heberle, J.; Holder, D.; Schmidt, M.	Speckle reduction techniques in holographic beam shaping for accurate and efficient picosecond laser structuring	Journal of Laser Applications (2016)
Herrmann, M.; Ishkina, E. M. S.; Schenck, C.; Liu, Y.; Kuhfuß, B.	Werkstofffluss beim Rundkneten	23. Sächsischen Fachtagung Umformtechnik, SFU, 7.-8. Dezember in Dresden, (2016)
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Klocke, F.; Hild, R.; Trauth, D.; Mattfeld, P.; Bobzin, K.; Brögelmann, T.; Kruppe, N.	Recommendations for Dry Forming of 16MnCr5 and 42CrMo4 in Cold Forging	DMFOAJ (2016), 44-49

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Lasagni, A. F.; Kunze, T.; Bieda, M.; Günther, D.; Gärtner, A.; Lang, V.; Rank, A.; Roch, T.	Large Area micro-/nano Structuring using Direct Laser Interference Patterning	Proc. of SPIE, 9735, DOI: 10.1117/12.2214948 (2016)
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