

Comparative study of the PVD coatings on the plasma nitrided steel

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Materials science = Medžiagotyra 2012 / p. 40-44 : ill <https://matssc.ktu.lt/index.php/MatSc/article/view/1339>

Comparison of curvature and X-Ray methods for measuring of residual stresses in hard PVD coatings

Lille, Harri; Kõo, Jakub; Gregor, Andre; Ryabchikov, Alexander; Sergejev, Fjodor; Traksmäa, Rainer; Kulu, Priit Materials science forum 2011 / p. 455-460

Cyclic loading of TiCN coating by Vickers indentation

Saarna, Mart; Lind, Liina; Peetsalu, Priidu; Sergejev, Fjodor Engineering materials and tribology XXV 2017 / p. 425-429

<https://doi.org/10.4028/www.scientific.net/KEM.721.425> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Effect of laser heat treatment on AlxTi1-xN-based PVD coatings, deposited on carbon and tool steel substrates

Surženkov, Andrei; Viljus, Mart; Antonov, Maksim; Kübarsepp, Jakob; Juhani, Kristjan; Kulu, Priit; Vagiström, Heinar; Jankauskas, Vytenis; Leišys, Rimtautas; Bendikiene, Regita; Adoberg, Eron; Peetsalu, Priidu; Mere, Arvo; Gregor, Andre Surface and coatings technology 2022 / art. 128771 <https://doi.org/10.1016/j.surfcoat.2022.128771> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The effect of temperature and sliding speed on friction and wear of Si3N4, Al2O3, and ZrO2 balls tested against AlCrN PVD coating

Antonov, Maksim; Afshari, Hossein; Baroninš, Janis; Adoberg, Eron; Raadik, Taavi; Hussainova, Irina Tribology international 2018 / p. 500-514 : ill <https://doi.org/10.1016/j.triboint.2017.05.035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact wear performance of thin hard coatings on TiC cermets

Veinthal, Renno; Sergejev, Fjodor; Yaldiz, Can Emrah; Mikli, Valdek Journal of ASTM International 2011 / [10] p

Influence of laser hardening to the sliding wear resistance of the PVD (Al,Ti)N-G and nACo® coatings

Surženkov, Andrei; Adoberg, Eron; Antonov, Maksim; Sergejev, Fjodor; Mikli, Valdek; Viljus, Mart; Latokartano, Jyrki; Kulu, Priit Engineering materials & tribology XXII 2014 / p. 28-31 <https://doi.org/10.4028/www.scientific.net/KEM.604.28> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Surface fatigue and wear of PVD coated punches during fine blanking operation

Sergejev, Fjodor; Peetsalu, Priidu; Sivitski, Alina; Saarna, Mart; Adoberg, Eron Engineering failure analysis 2011 / p. 1689-1697 : ill

The wear of PVD coated elements in oscillation motion at high temperature

Michalczewski, Remigiusz; Kalbarczyk, Marek; Slomka, Zbigniew; Liu, Le; Antonov, Maksim; Hussainova, Irina Proceedings of the Estonian Academy of Sciences 2021 / p. 500-507 : ill <https://doi.org/10.3176/proc.2021.4.18> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tribological properties of PVD coatings with lubricating films

Lind, Liina; Adoberg, Eron; Aarik, Lauri; Kulu, Priit; Veinthal, Renno; Abdel Aal, Alsayed Estonian journal of engineering 2012 / p. 193-201 : ill

Wear of different PVD coatings at industrial fine-blanking field tests

Lind, Liina; Peetsalu, Priidu; Sergejev, Fjodor Medžiagotyra = Materials science 2015 / p. 343-348 : ill <https://doi.org/10.5755/j01.ms.21.3.7249> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)