

CONTENT

<i>Felhő Cs.</i> Analysis of the effect of varying the cutting ratio on force components and surface roughness in face milling	3
<i>Sztankovics I., Pásztor I.T.</i> Alteration of the cutting force components in tangential turning.....	12
<i>Manovytsky O., Klymenko S., Klymenko S., Kopeikina M.</i> Actual contact area on the worn clearance face of the cutter with the round kyborite insert.....	21
<i>Fedorovich V., Ostroverkh Y., Romashov D.</i> Topographic adaptability in the diamond grinding zone of superhard materials.....	34
<i>Maros Z., Kun-Bodnár K., Fekete V.</i> Investigation of electro discharge machining of tool steels based on the roughness of the machined surfaces.....	46
<i>Nagy A., Kundrak J.</i> Roughness investigation of single and double cutting marks on face milled surface.....	58
<i>Béres M., Varga G.</i> Laser measurements in cutting processes.....	71
<i>Mütsyk A., Fedorovich V., Ostroverkh Y.</i> Purpose and technological properties of granular media for vibration finishing and grinding processing.....	85
<i>Sztankovics I.</i> Arithmetic mean height and maximum height of the roughness profile in honing with different feeds.....	94
<i>Ferencsik V.</i> Analytical analysis of the theoretical surface roughness in the case of burnishing of cylindrical workpiece.....	101
<i>Klymenko G., Kovalov V., Vasylichenko Y., Korchma D., Boroday R.</i> Probabilistic approach to calculating the rational thickness of the tool's cutting insert for heavy machine tools.....	110
<i>Tonkonogyi V., Yakymov O., Bovnegra L., Novikov F.</i> Surface temperatures and vacation burns occurring during grinding of cemented gears with two dished wheels on different parts of the machined involute profile.....	119
<i>Usov A., Zaychyk Y.</i> Studying the influence of thermomechanical phenomena	

on grinded surface quality parameters of products made from hard-to-process materials.....140
Dyadya S., Kozlova O., Tryshyn P., Brukhno E., Yakhno D. Influence of radial depth of cut on initial conditions of oscillations during end-milling of thin-walled parts..... 153