

ANALYSIS OF THE FRICTION INFLUENCE ON CHANGE OF SURFACE TOPOGRAPHY OF DRAWN SHEETS

Summary: In the article topographical and tribological analysis of surface of steel sheets was presented. For description of friction phenomenon in sheet metal forming processes the strip drawing test was used. The topographical analysis of tested samples was carried out by using measurement system Alicona InfiniteFocus. As input variables in mathematical model of friction the results of strip drawing tests were received. The friction tests were carried out order to determine the influence of surface parameter value of the sheets, surface parameters of the rolls and pressure force on friction coefficient value.