

DECREASE OF CUTTING FORSE IRREGULARITY AT NATURAL STONE GRINDING

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Abstract: A total supply of a natural stone in Ukraine is about 34 bln. \$. An actual problem for successful business of natural stone extraction and processing is an increase of stone processing productivity. One of the ways to increase the stone processing productivity is search of a cutting edge rational form of diamond grinding tools which are the basic tools at the processing of such products. Authors spend experimental research to increase the productivity of the new geometry tool. It is proved that the use of the tool with new geometry allows to lower efforts of grinding and their non-uniformity. Due to this the tool allows to increase productivity and improve the quality of the processed surface.

Key words: productivity, stone, researches, geometry, surface, cutter.