

SOME CONSIDERATIONS ABOUT THE QUALITY OF SURFACES PROCESSED BY MILLING FINISHING

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Abstract

The industrial procedures emphasize the modern tendencies that the cut finishing technologies for the pieces surfaces will be done mostly using tools with defined geometry and less by classical finishing process. This last process is characterized by high cutting speeds, specific shapes and characteristics of abrasive tools, long processing time and high processing cost. The aim of actual researches is represented both by optimization of processes, machine-tools and tools with defined geometry in order to realise the imposed precision, and by establishing the variation limits for a specific material processing parameters Milling is an important cutting process, used frequently. This paper presents the results of theoretical and experimental studies concerning how milling and cutting conditions influence some quality parameters. In this respect, the authors consider the rough and deviation from the normal position of the surface realized.

Keywords

steel, iron, milling, cutting plate, cermet.