The main directions of thread milling research and thread milling cutter design

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The article considers thread milling, actively developing in recent years in Russia. It is well established abroad among the threading processes which can be judged by the large number of instrumental companies producing thread milling cutters. The experience of manufacturers in the field of thread milling problems and ways of their solving was analyzed. The analysis allows ranking emerging problems and formulating the main directions of process and tool research. It can also give recommendations on designing operation performed by various types of thread milling cutters. The obtained results can be useful for production engineers at machine-building plants and specialists in the field of threading.

Keywords: *thread milling, thread milling cutter, drill thread milling cutter, thread, threaded hole.*

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