

Determination of the Economic Planning Depth for Assembly Process Planning

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Abstract : In order to be competitive, companies have to reduce their production costs while meeting increasing quality requirements. Therefore, companies try to plan their assembly processes as detailed as possible. However, increasing product individualization leading to a higher number of variants, smaller batch sizes and shorter product life cycles raise the question to what extent the effort of detailed planning is still justified. An important approach in this field of research is the concept of determining the economic planning depth for assembly process planning based on production specific influencing factors. In this paper, first solution hypotheses as well as a first draft of the resulting method will be presented.

Keywords : assembly process planning, economic planning depth, planning benefit, planning effort

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