

STAMPING DIE TOPOLOGY OPTIMIZATION BY USING ANSA RESULT MAPPER

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ABSTRACT –

Die designs are generally conducted by conventional methods & standard guidelines. Therefore, the most efficient optimization studies are hardly used in this field. The objective of this study is to generate a die design methodology by using topology optimization. The contact pressures are obtained from manufacturing simulation and used for topology optimization via ANSA Result Mapper. For the new design, topology optimization results were investigated and interpreted to the CAD data by considering the manufacturing limitations.