

후공정 및 스프링백에 대한 수치 인자들의 영향도 연구

안인혁#. 안병찬 · 권성오 · 최오영

Study on the numerical factors influencing secondary forming and springback

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Abstract

In the competitive environment of die manufacturing industry, the line die forming and springback analyses are needed to get the impressive quality improvement and to make additional cost and lead time reduction. However these analyses have not been applied as actively as draw die analysis because of the several difficulties such as heavy computation time, not-good reliability and late applicable point in die design schedule. In this paper, the results of line die forming and springback simulation of automotive panels were compared with experimental results. And we studied how much several numerical factors could influence second forming and springback results.

Key Words : formability analysis, springback, line die forming