

핫스탬핑 공법의 소개 및 실차 적용 사례

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Introduction of Hot Stamping Technology and Application of Car

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Abstract

Hot stamping technology is one of the new applications which has been recently adopted by automotive companies. After issuing environmental problem such as global warming, automotive companies make an effort to improve fuel efficiency with the car weight reduction. In addition to this, passenger safety improvement is a big issue at the car crash and rollover accident. UHSS has been considered as a good method to solve these problems at the same time. Material which has quenching characteristic is stamped at the high temperature and indirectly cooled down in the tool in order to get high strength, approximately 150kgf/mm². This study deals with the introduction of new technology and how to satisfied with strengthened crash regulation with this application.

Key Words : Hot Stamping, UHSS.

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