

Car Body Frame Integration FR-FLOOR

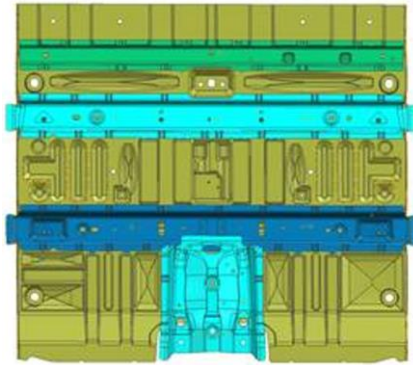
□ Production
■ Prototype
□ Development



■ Product Features

- Car body frame parts made up of multiple components are hot-stamped into one piece, contributing to weight reduction and cost down.

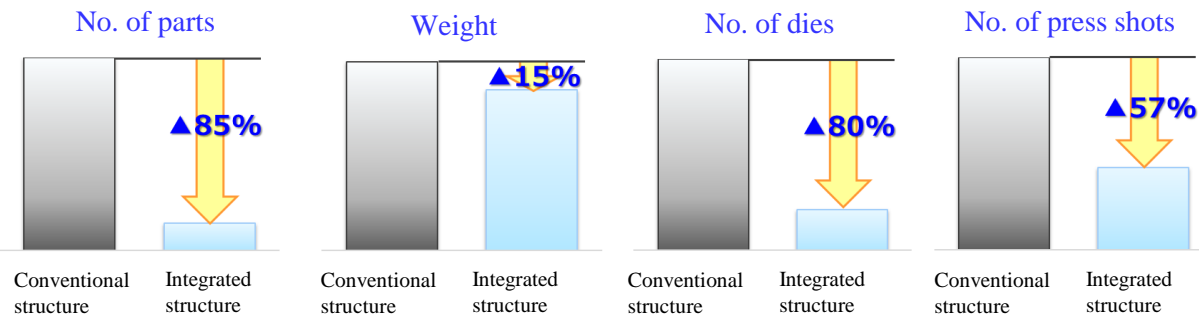
Conventional structure (7 parts)



Integrated structure (1 parts)



Effects of parts integration



■ Product technology

Application technology

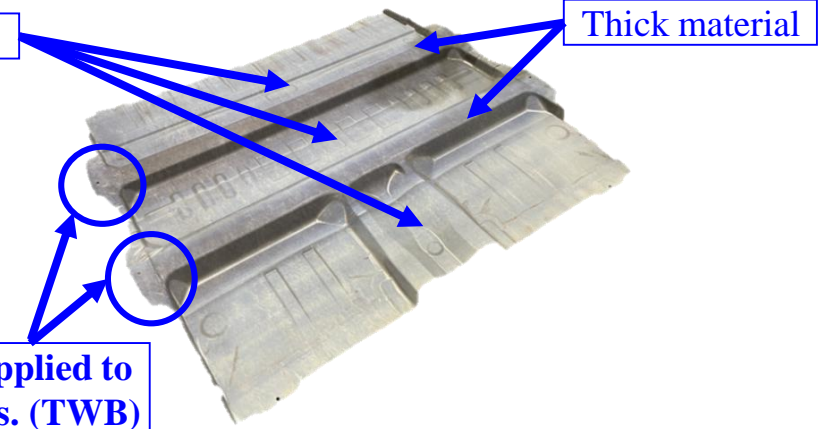
Lightweighting

Thin material

Thick material

Lightweighting

1.0GPa material applied to CROSS-MBR ends. (TWB)



Opportunity

- Application of HOT 2.0GPa material. (Light weighting)
- Application of infrared baking technology. (Cost reduction)
- Application of SPOT welding BL. (Cost reduction)