

# Applying Small-Pitch Spot Welding Technology to Vehicle Body Structures(High Strength and High Rigidity)

■ Production

□ Prototype

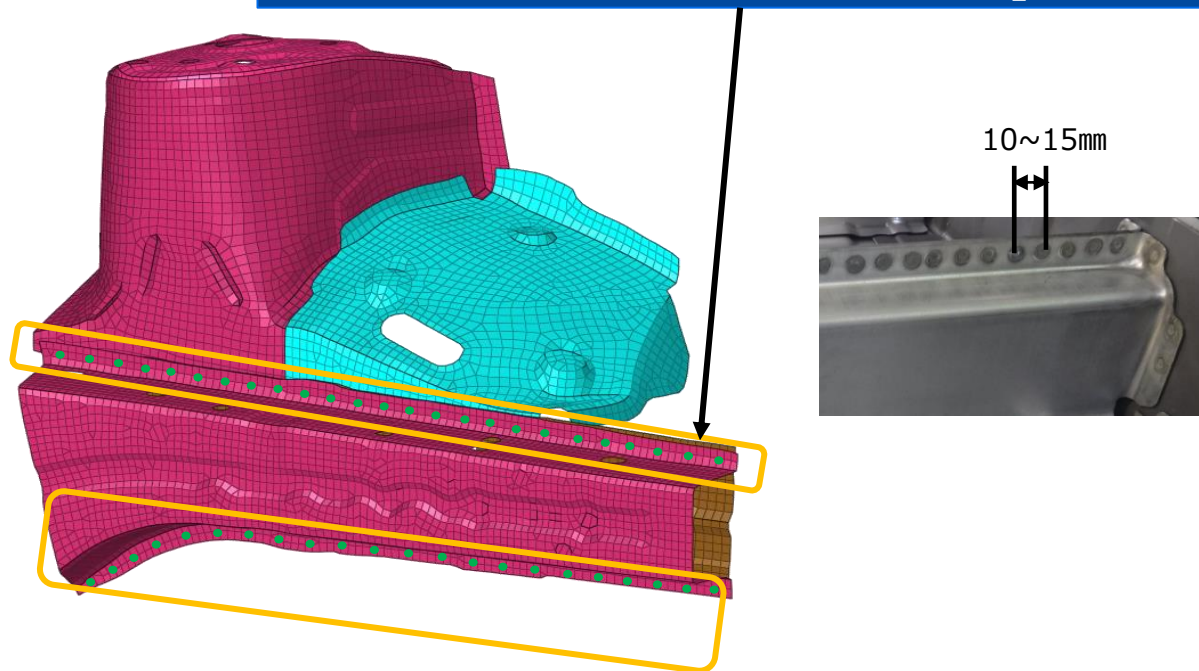
□ Development



## ■ Product Features

- Applying small-pitch spot welding technology to body frame components resulted in lightweight frame components with high strength, high rigidity, and high durability.

Small-pitch structure (10~15mm pitch)  
Conventional structure (25~30mm pitch)



## ■ Application Example(FR-SIDE MBR)

### 【High Strength】

Increased initial reaction force, improved energy absorption (EA)

(SIDE-MBR axial crushing improved by 10%–15%)

### 【High Rigidity】

Improved body torsional rigidity

### 【High Durability】

Improved durability by reducing the load on a single spot weld

- ◆ Applicable to other frame parts and opening structures to achieve high strength, high rigidity, and high durability