

Cold- rolled 1.5GPa Material, Press parts

■ Production

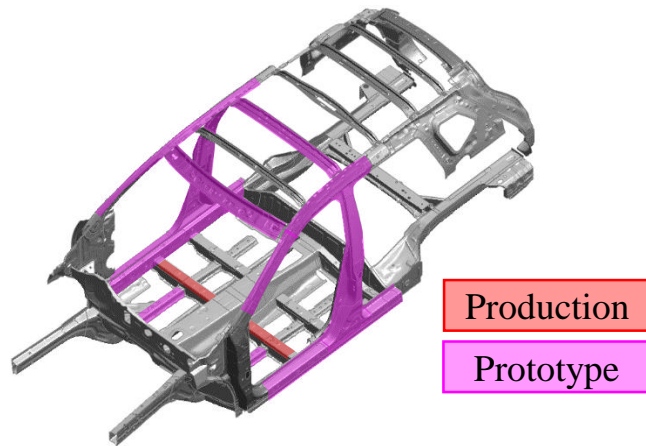
■ Prototype

□ Development



■ Product Features

- It is possible to reduce weight by increasing the strength of 980MPa and 1.2GPa parts.
- Cost reduction possible compared to hot stamping material



Production

Prototype

Product



2nd CROSS MEMBER REINFORCE

Prototype



Cold 1.2GPa material

▲0.8kg/part

Cold 1.2GPa material

High ductility 1.5GPa material

CENTER PILLAR

Prototype possible

- FRONT PILLAR
- ROOF RAIL CENTER
- EXTENSION FRONT SIDE MEMBER
- SIDE SILL etc.

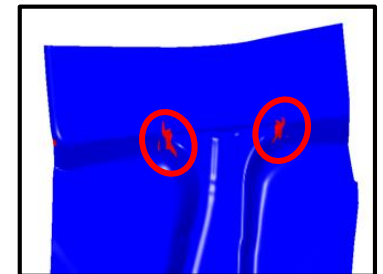
■ Product Technology

- Using our high tensile strength forming technology, we succeeded in producing a prototype of a cold 1.5GPa material center pillar.
- Preventive measures against delayed fracture using our unique prediction method

〈Example of delayed fracture〉



〈Prediction method〉



○ Crack