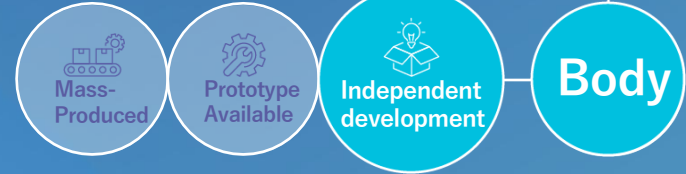


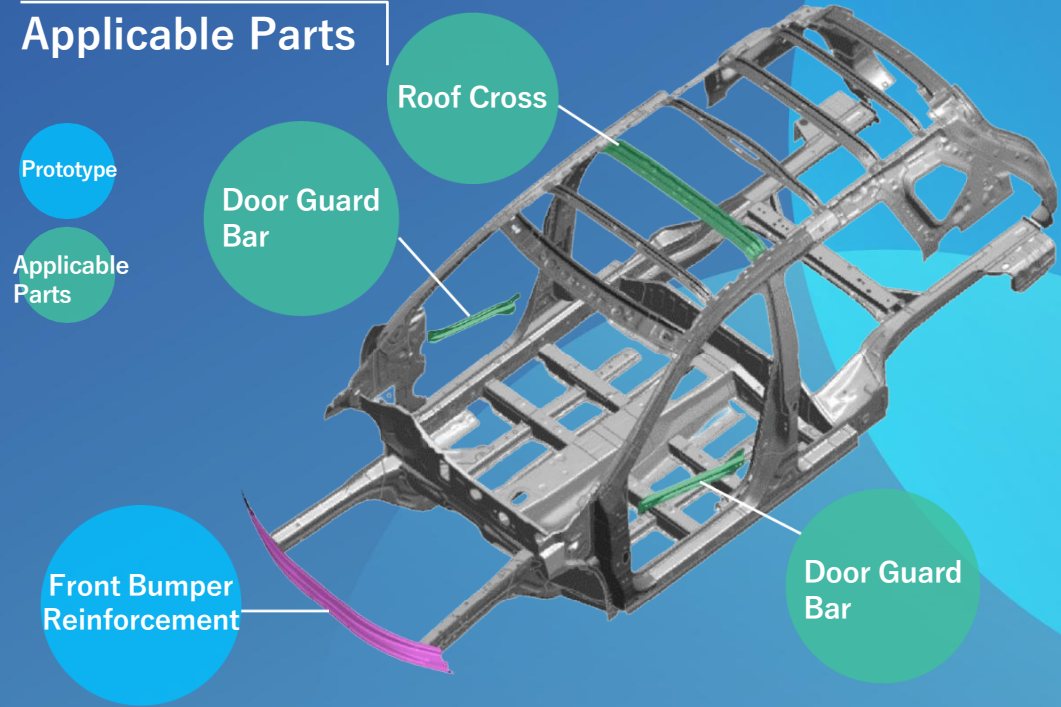
# Cold 1.7 GPa Steel Pressed Parts



## Product Features

Enable weight reduction through increased strength for 1.2GPa and 1.5GPa steel parts.

## Applicable Parts



## Prototype Example

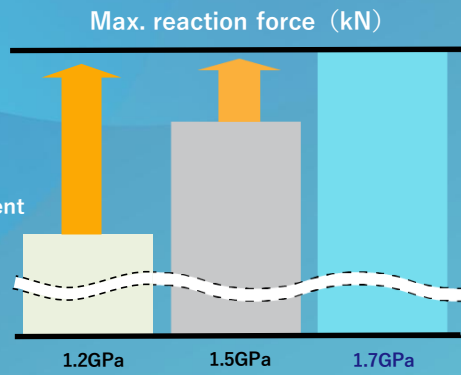
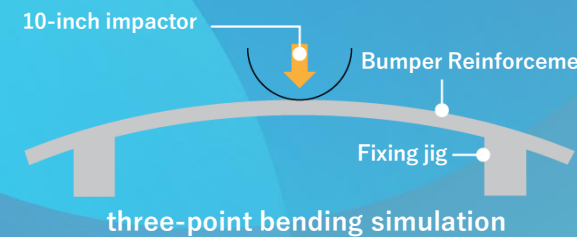
Successfully prototyped a Front Bumper Reinforcement using UNIPRES advanced forming technology.



Front Bumper Reinforcement (t1.4)  
Steel was provided by NIPPON STEEL CORPORATION

## Effects

The impactor reaction force was calculated by crash simulation of three-point bending test.



Max. reaction force vs 1.2GPa **40% UP**  
vs 1.5GPa **9% UP**