

Integrated Body Structure Component : Rear Side Member

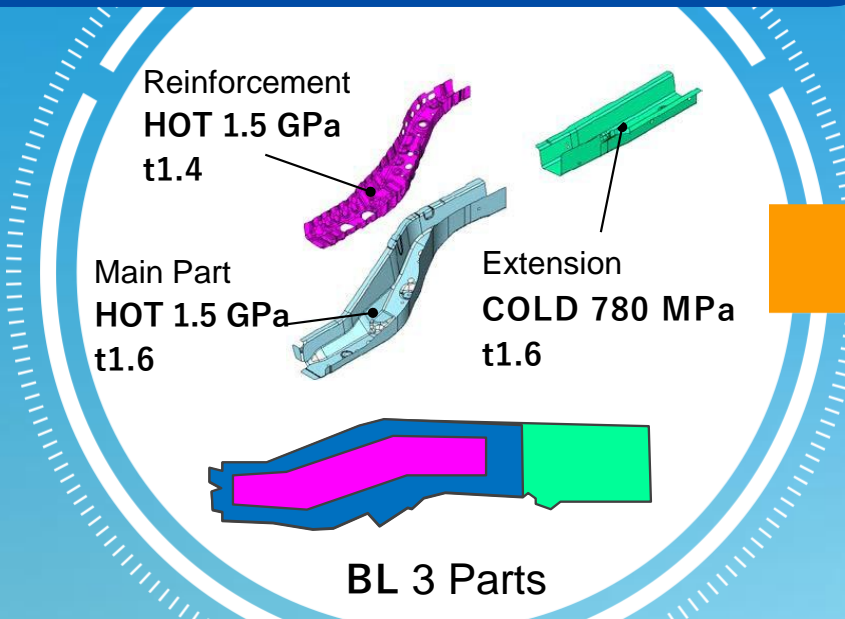
- Mass-Produced
- Prototyping Available
- Independent development

Body

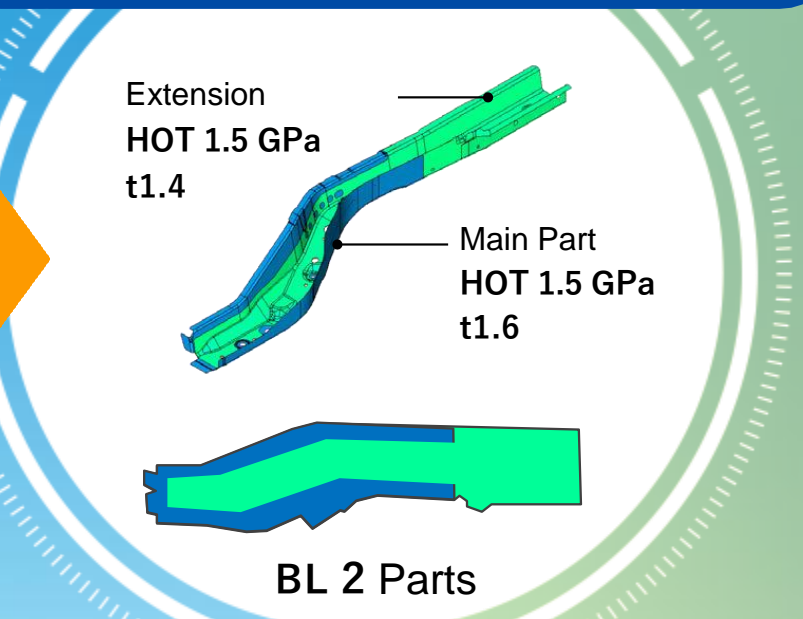
Product Features

- By optimizing the overlapping shape of patchwork blanks, we have revised the conventional multi-part configuration, achieving a reduction in the number of parts and an improvement in production efficiency. **3 Parts to 1 Part.**

Conventional Structure (3 Parts × R/L)



Integrated Structure (1 Part × R/L)



Product Technology

Applied Technologies

Patchwork Forming Technology
Cost down

Infrared Differential Heating Technology
(1.0 GPa equivalent)
Lightweighting **Cost down**
Patent No. 6664556.

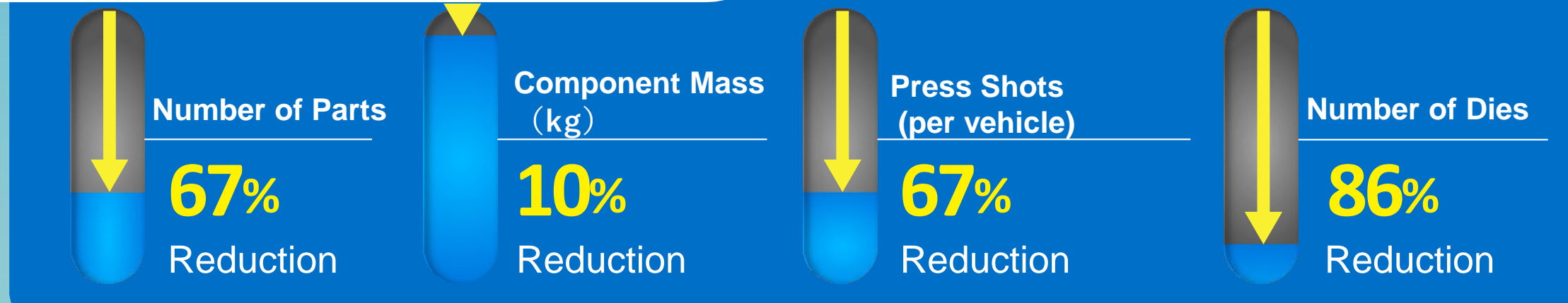
Includes **Gradation Heating**

Future Opportunities for Further Lightweighting

- ✓ Application of HOT 2.0 GPa Material
- ✓ Application of TWB (Tailor Welded Blanks)

Effects of Component Integration

※Note: These results are not guaranteed for all cases.



Pressing Toward a Brighter Tomorrow