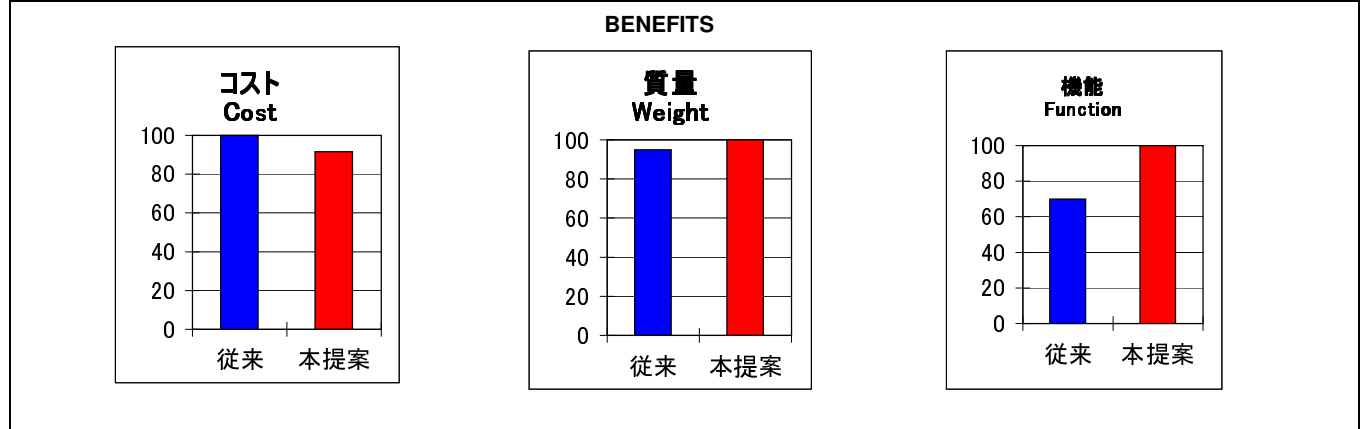


技術テーマ Technical Title **CONVERSION OF CUT TDI FOAM TO MOLDED MDI FOAM**

技術のポイント Describe Technical Detail

Conversion of a 3 piece cut and glue TDI foam pad, to a one piece MDI foam pad.



<従来構造/材料/工法等>
<Current Material / Method / Structure etc.>

- Purchased TDI slab stock in 2 thicknesses.
- (3) defined shapes are individually cut.
- Pieces are glued together.
- Final cushion curvature is created through upholstery operation via labor intensive pulling, tucking and stapling of the fabric.
- TDI foam system shows loss of compression set over time causing fabric wrinkling and loss of comfort.



<新構造/材料/工法等>
<New Material / Method / Structure etc.>

- One piece molded MDI foam cushion
- Net shape is designed into part for easier and faster upholstery operation.
- Upper raised flange is molded in place to eliminate thin layer of padding used to soften transition to substrate.
- No adhesive is needed.
- Training time for upholstery is 30% faster due to net shape.

