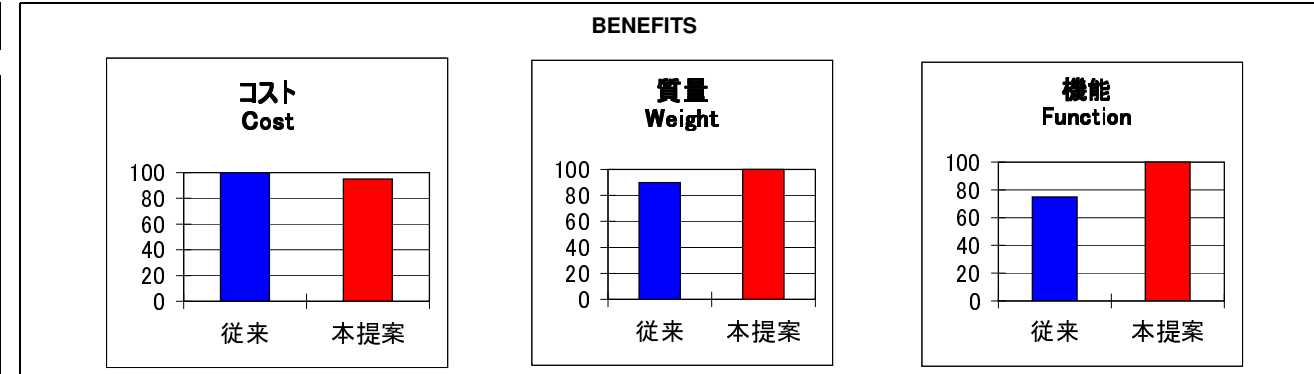


技術テーマ Technical Title **Multi Shot Automotive Side Shield.**

技術のポイント Describe Technical Detail
 Create a production capable design for a automotive seating side shield that meets quality and cost targets from a design that is not production toolable or manufacturable.



- <従来構造/材料/工法等>
 <Current Material / Method / Structure etc.>
- Multishot Injection mold part design.
 - 3 distinct areas for 2nd shot elastomer
 - Extremely complex and expensive mold.
 - Gating would need to be 3 zone sequential valve gating.
 - Actual mold design feasibility was in question.
 - High tool maintenance cost.
 - Poor shutoff conditions.



- <新構造/材料/工法等>
 <New Material / Method / Structure etc.>
- Top closeout and main shield molded as a simpler 2 shot part.
 - lower skirt and seatbelt opening combined into one simple, Open and Shut mold with living hinge.
 - Third part (simple, open and shut mold with living hinge) designed to aid retention of heat stake operation.
 - InfraStake process used for assembly.
 - Assembly is performed at molding machine to utilize labor.

