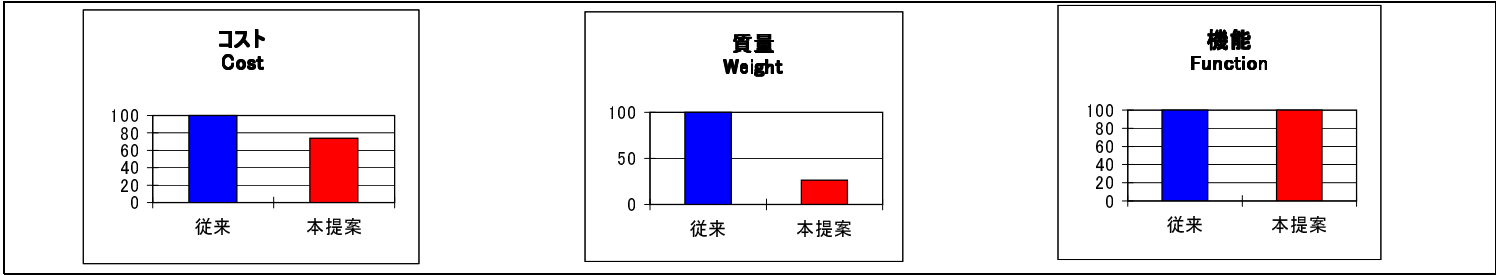


技術テーマ Technical Title **Zody Chair Back Assembly**

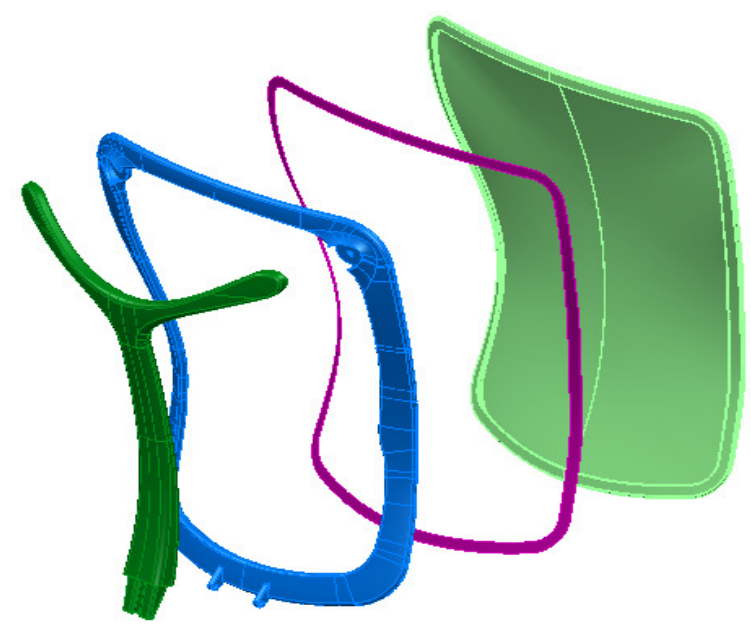
技術のポイント Describe Technical Detail  
 Customer looking to finalize design of their revolutionary Zody chair back. They needed to select a supplier and then work concurrently to finalize the product design that is manufacturable and able to meet all target durability and reliability testing.



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

**Initial concept design**

- 2 piece structural frame
- Flexible ring sewn to fabric
- Ring / Fabric sub-assembly manually tucked into frame groove
- Visible mechanical fasteners attaching upright to frame



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

**Final design**

- Mesh fabric ultrasonically bonded to inner frame
- Inner frame/fabric are welded to outer frame
- Unique and patented back assembly process
- No visible fasteners
- Variable tension in different zones of back

