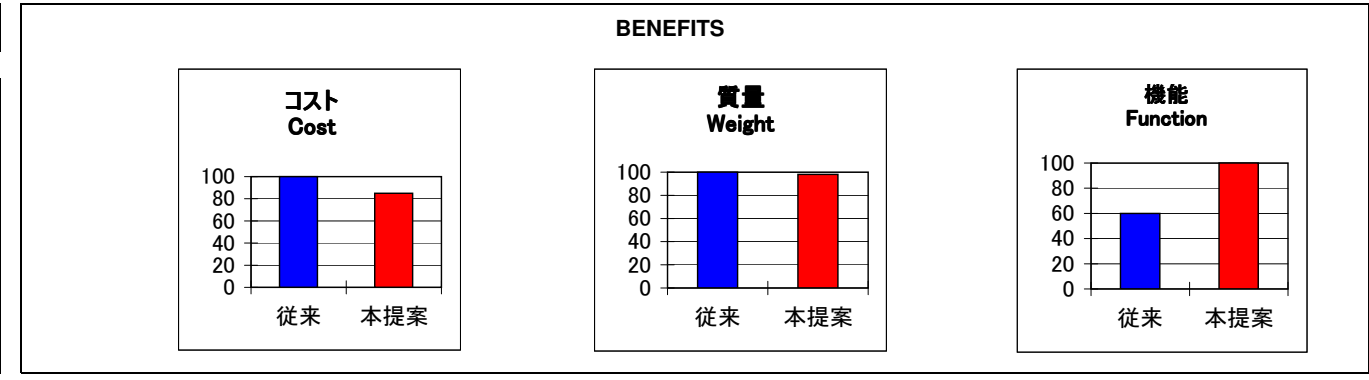


技術テーマ Technical Title **Arm Assembly**


技術のポイント Describe Technical Detail

Arm Sub assembly - Office Chair: Provides detented width adjustment and trigger-activated height adjustment, meets BIFMA (Business and Industrial Furniture Manufacturers Association) standards for strength, durability and ergonomics.



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

- First pieces from the production tooling did not meet standards for strength.
- Arm Assembly cost was above price targets
- Number of components = 24
- Arm was very difficult to assemble



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

- Redesigned (7) components for ease of manufacturing and increased strength (additional design and tooling investment of 11%)
- Requested purchased parts at local suppliers for a 12% savings
- Overall Assembly cost reduced by 14.7%
- Number of components reduced by (2) down to 22
- At Product Launch the assembly passed all of the original strength tests

