

Bath Tub Spa

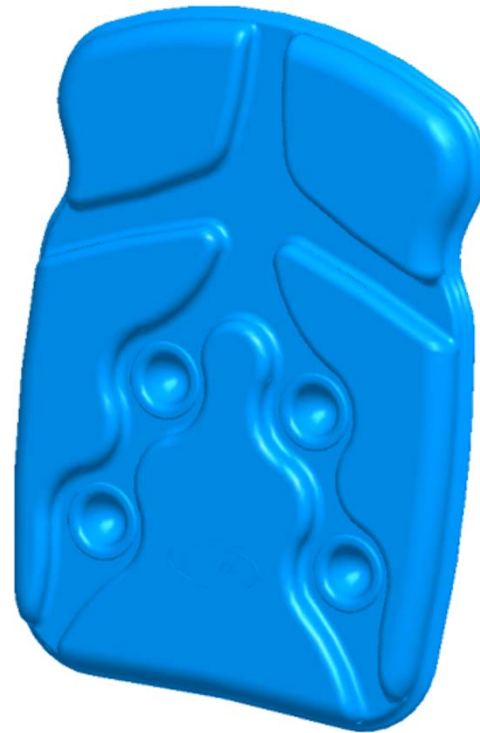
Consumer Products

Challenge:

- Consumer products customer wanted to market test a portable bath tub spa

Functional Targets:

- Design and construct a proof of concept model of a new type of portable spa capable of mimicking the jet pressure of permanently installed spa systems.
- Design must be easy to use
- Design must be inexpensive to manufacture



Industrial Design Model

Bath Tub Spa Consumer Products

Results:

- Plastic pump design based off commercially available cast iron pump.
- Multiple studies conducted to minimize flexible tubing diameter
- Concept model constructed with specially fabricated open frame universal motor.

