

Prosthetic Socket | Case Study

The Problem

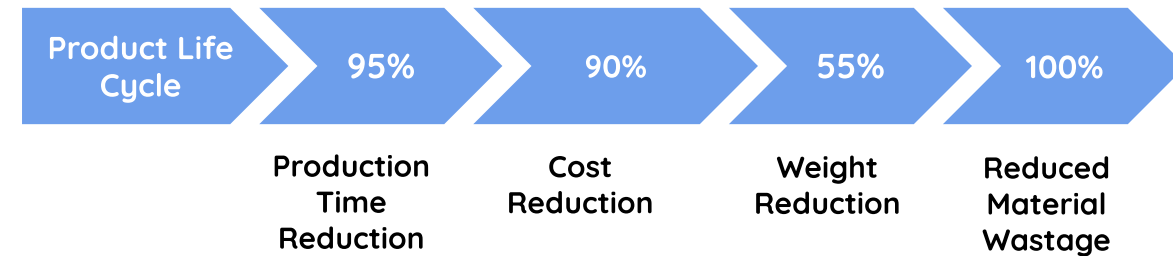
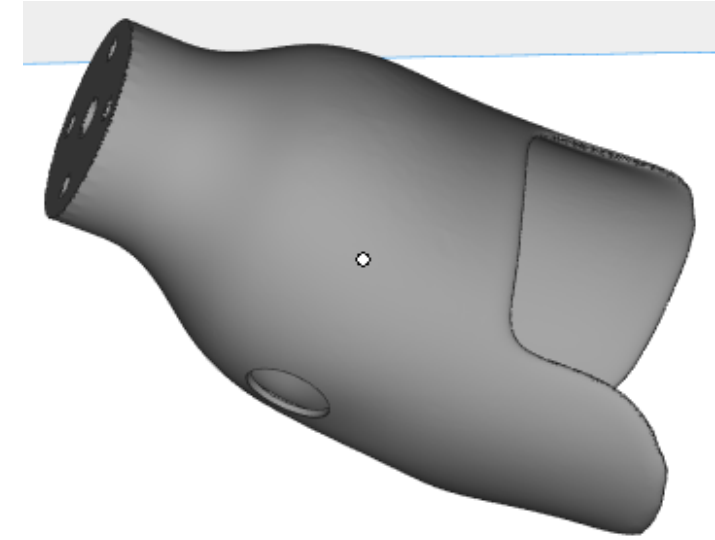
- Residual Limb Volume Changes
- Subjectivity & Cost of Fabrication
- Increased Perspiration
- Residual Limb Volume Changes

The Solution

Additively manufactured (3D-printed) prosthetic sockets provide a highly personalized fit and mechanical advantages over traditional fabrication.

The Impact

- Tunable Mechanical Properties
- Lightweight Lattice Structures
- Rapid Turnaround
- Digital Archiving



By utilizing digital scanning, these sockets can be quickly fabricated with complex, lightweight structures—reducing production time, material waste, and overall healthcare costs.