

Patient-specific Maxillofacial | Case study

The Problem

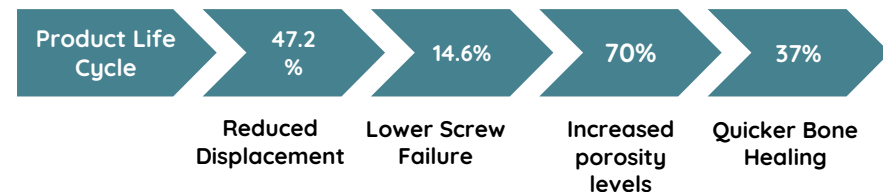
- Poor Anatomical Fit
- Stress Shielding
- MRI and CT Interference
- Tissue Inflammation

The Solution

Instead of using solid metal, using medical-grade titanium and porous structures. These allow the bone to grow directly into the implant. Custom contours matches the patient's unique bone structure exactly and also reduced stiffness to prevent bone loss.

The Impact

- Custom design
- Lattice structures
- Biocompatibility
- Single-piece construction



This has allowed for its redesign with high precision and tolerances, which is very important for surgical alignments.