



Improving the lives of patients by creating enabling technologies that standardize outpatient spine surgery with minimally invasive endoscopic surgical solutions.

## CHALLENGE

## SOLUTION

## RESULTS

### Situation:

Over 500,000 people a year in the US undergo lower back surgery every year. With the complexity of surgical procedures on the rise, so must the equipment used be modified and improved. Innovasive is an industry leading company focused on building minimally invasive endoscopic surgical solutions.

### Solution:

Innovasive needed to create an implant trial or prototype that allowed surgeons to assess the correct height and width for a novel expanding interbody spacer that was in the process of being developed. A 3D printed prototype would help them evaluate their design and look for improvements before a surgical ready prototype would be built.

From David Koch, Lead Engineer

“They went out of their way to make sure the part files were received correctly and a quote was turned around the same day.”

“The assembly that Freeform Polymers printed had several parts with very thin walls and small thread forms. I was skeptical that the parts would be functional but when I received the parts printed in high resolution digital ABS not only were all of the parts strong enough, they were high enough resolution that there was no problem fitting the parts together.”

“The 3D printed assembly was turned around in less than a day and the price was better than I could find anywhere else. It was a pleasure to work with the team at Freeform.”



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