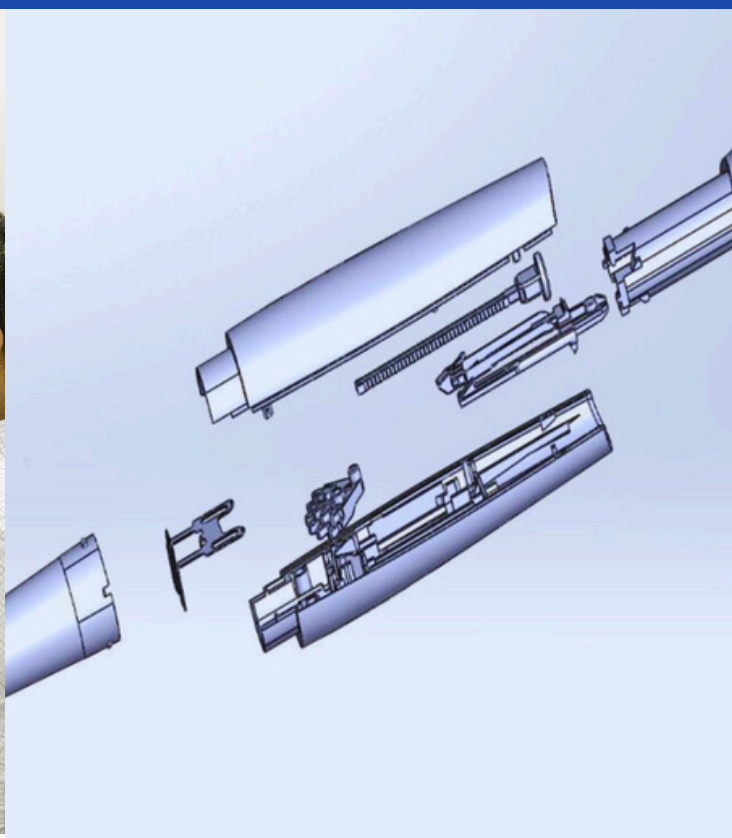
EGIDA LABS
ENGINEERING SOLUTIONS

Reverse Engineering and CAD Development for Medical Devices



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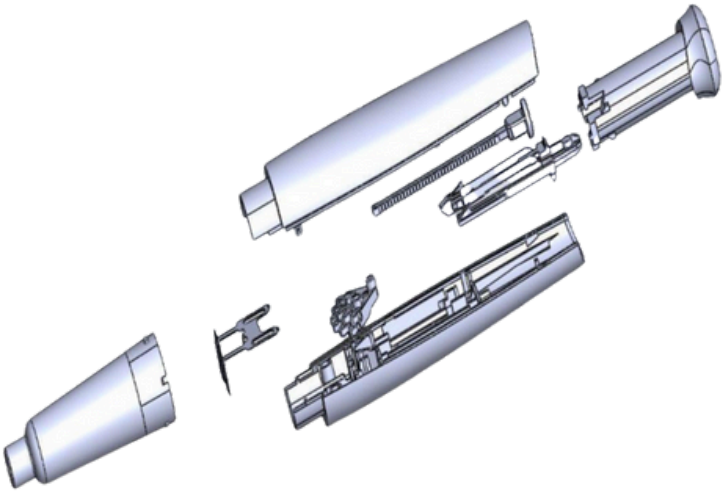
Reverse Engineering of Insulin Delivery Pen



Scope of Work:

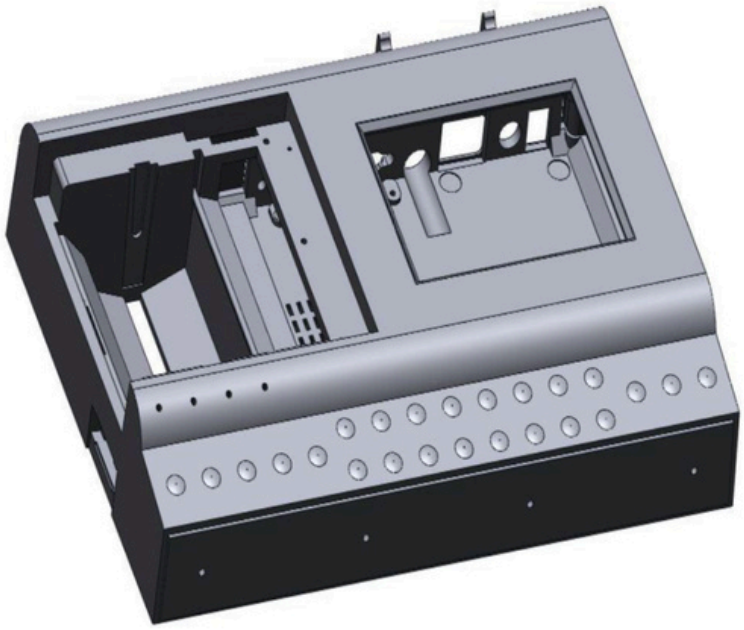
This project required our team to dismantle a competitors product (Insulin Autopen) and reverse engineer the internal parts.

Scanner Used: Zeiss Comet L3D

Scanner Output: STL

Design Output: STEP

Reverse Engineering of ECG Device Enclosure



Scope of Work:

The physical enclosure was provided, and our team disassembled the product for scanning and modeling.

Scanner Used: Zeiss Comet L3D

Scanner Output: STL

Design Output: STEP

Design and Development of Surgical Navigation Probe Prototype

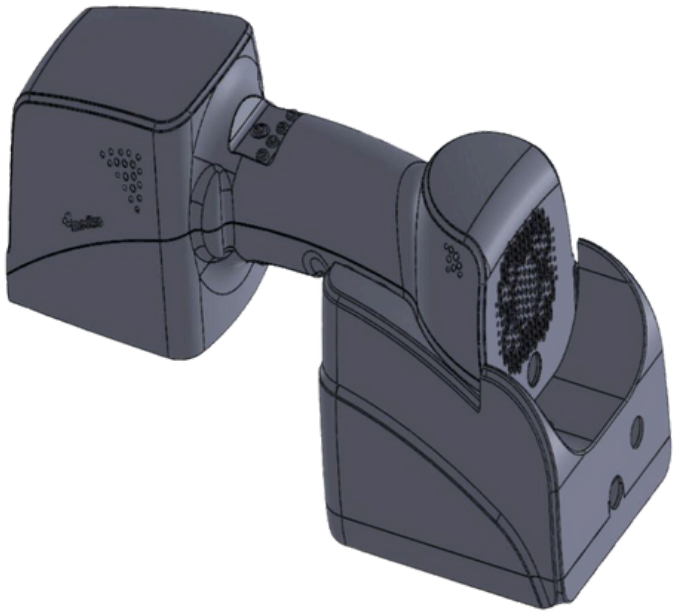
Scope of Work:

The design and development of a mechanical prototype of this navigational device which is used in cranial and spinal surgeries.

Design Output: STEP

Prototyping Method: 3D Printing

Design Analysis of an Existing Model for Customization of a Vein Finder Device

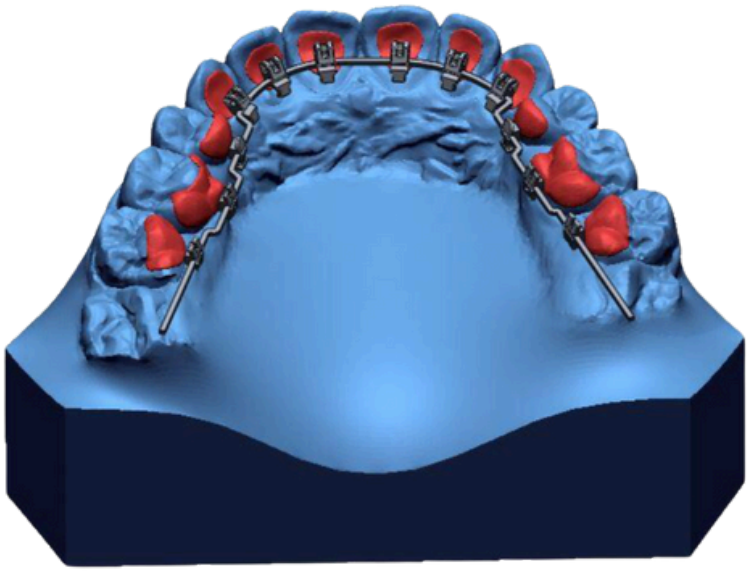


Scope of Work:

The original STEP file for this product was provided to our team with the intention of having our engineers design modifications to this product. In order to integrate new parts to this design, our team scanned new parts in order to perform fitment check and positional study.

Scanner used: Zeiss COMET L3D
Scanner output: STL
Design Output: STEP

Complete Design Support in Developing Incognito Braces Guide Wire



Scope of Work:

The client was an orthodontist and dental surgeon. Our team was provided with the scan data of an individual patient's jaw and dental geometry.
Our engineers designed the guide-wire and base pads shown above using inputs from the client

Design Output: STEP, STL

Contact

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