



CUSTOM PROSTHESES

Using Advanced 3D Digital Reconstruction Technologies

Conjoined Twins

Digital Reconstruction of organic forms from CT data and surface scans



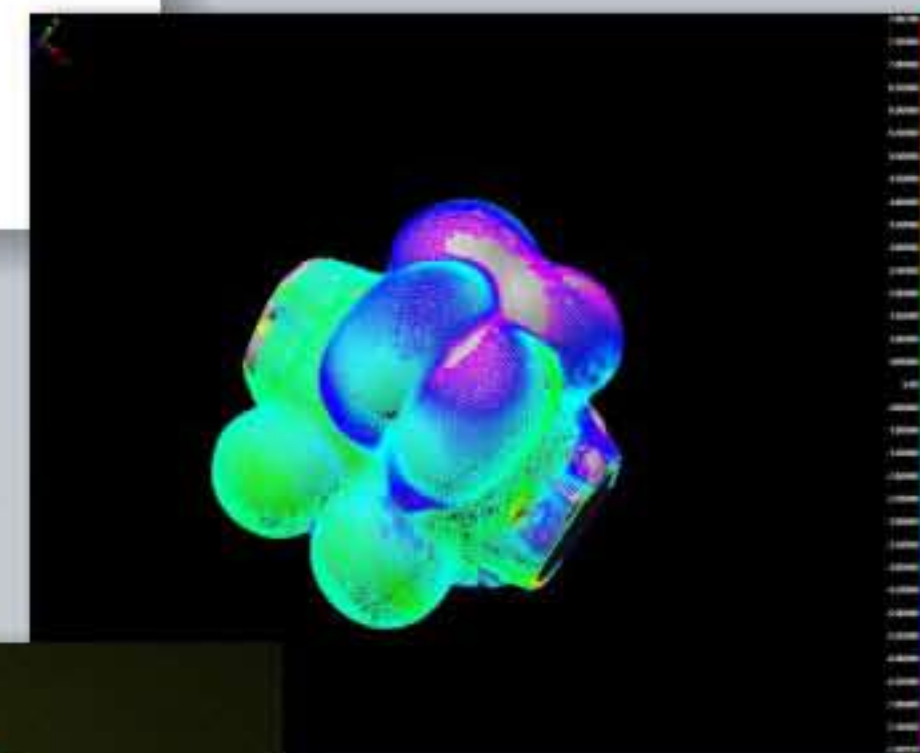
3D Laser Scanning captures the exact shape of complex forms



Our team is ready to discuss your specific custom prosthesis application



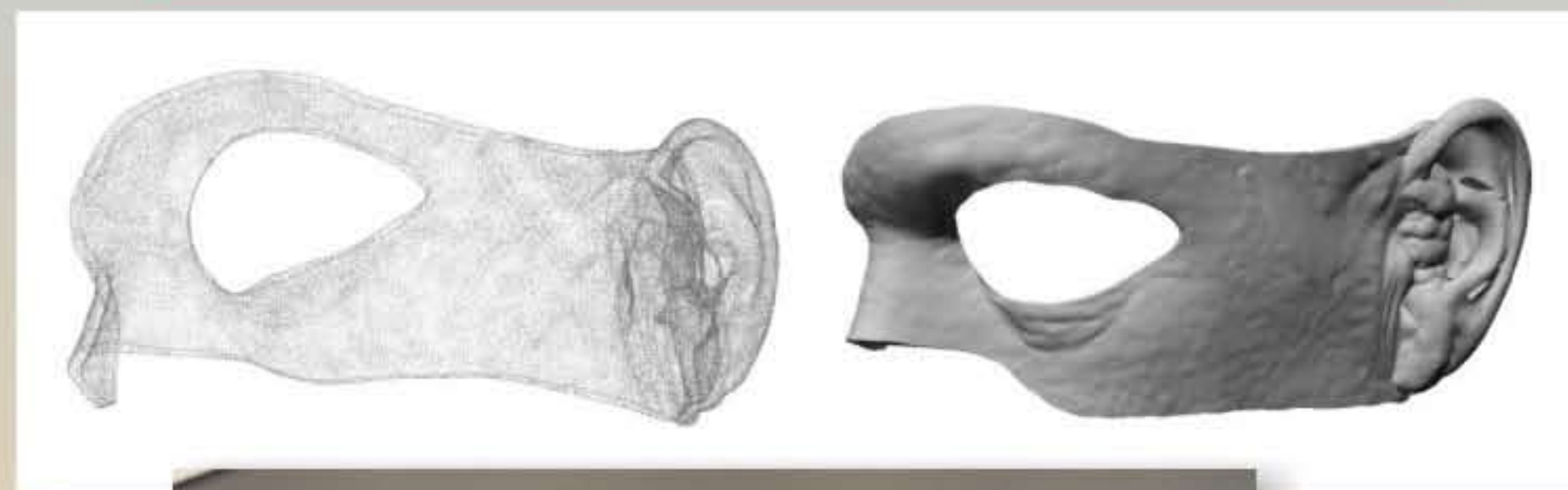
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Prosthesis with Integral Surgical Template

In Collaboration With:

The Facial Prosthetics Center
Juan R. García, Anaplastologist, CMI

rapid solutions to 3D problems...

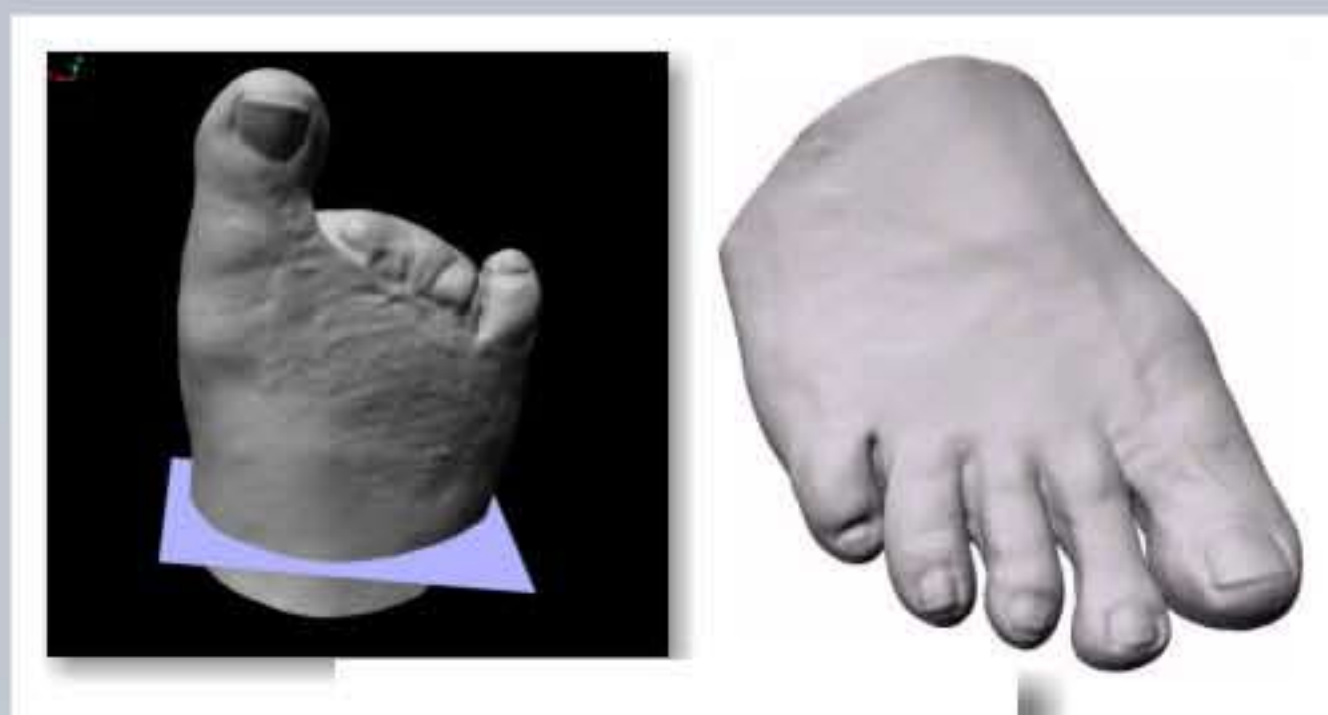
Custom Prostheses

Incorporating Digital Technologies into the Process

Clinician

Clinician Takes Patient Impression

Patient Model Shipped to Direct Dimensions



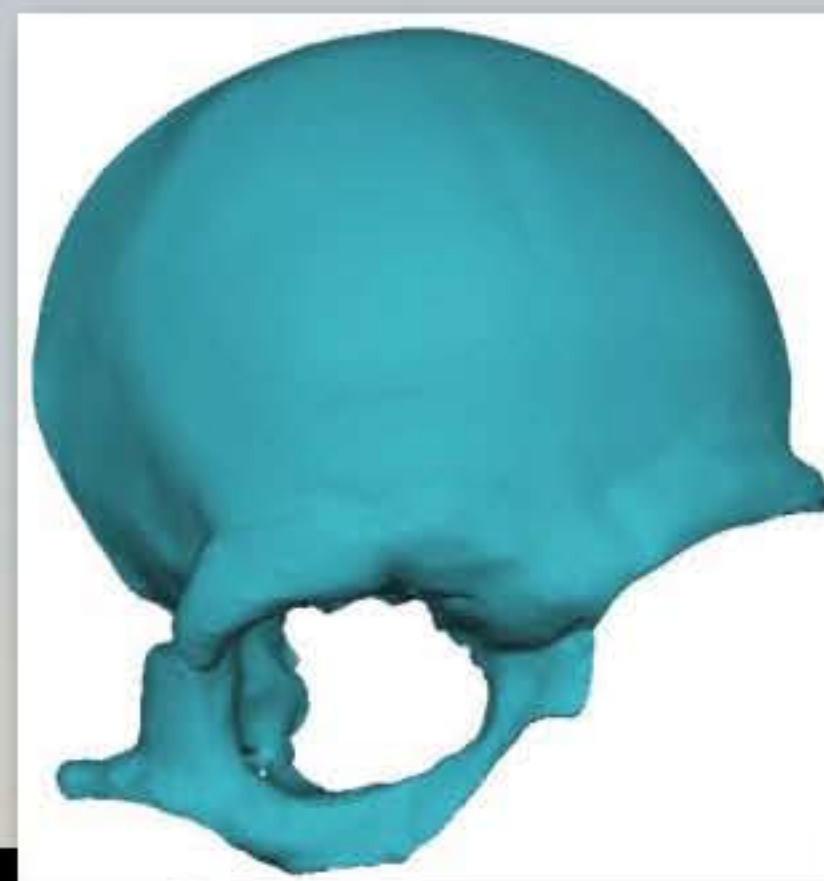
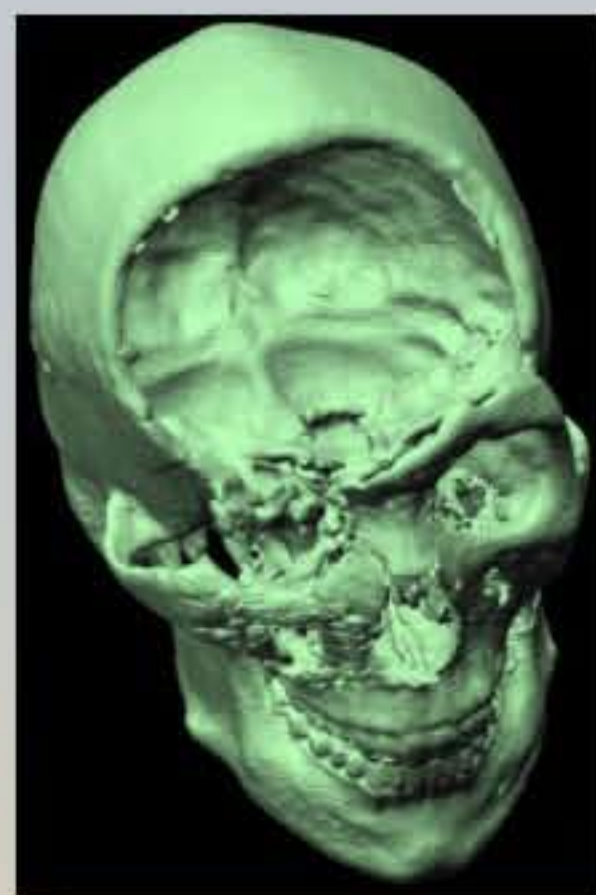
CAD can be used to output different sizes and mirrors perfectly.

Direct Dimensions

Model is Laser Scanned

Collected Data is Modeled and Mirrored

Rapid Prototype (RP) is Fabricated

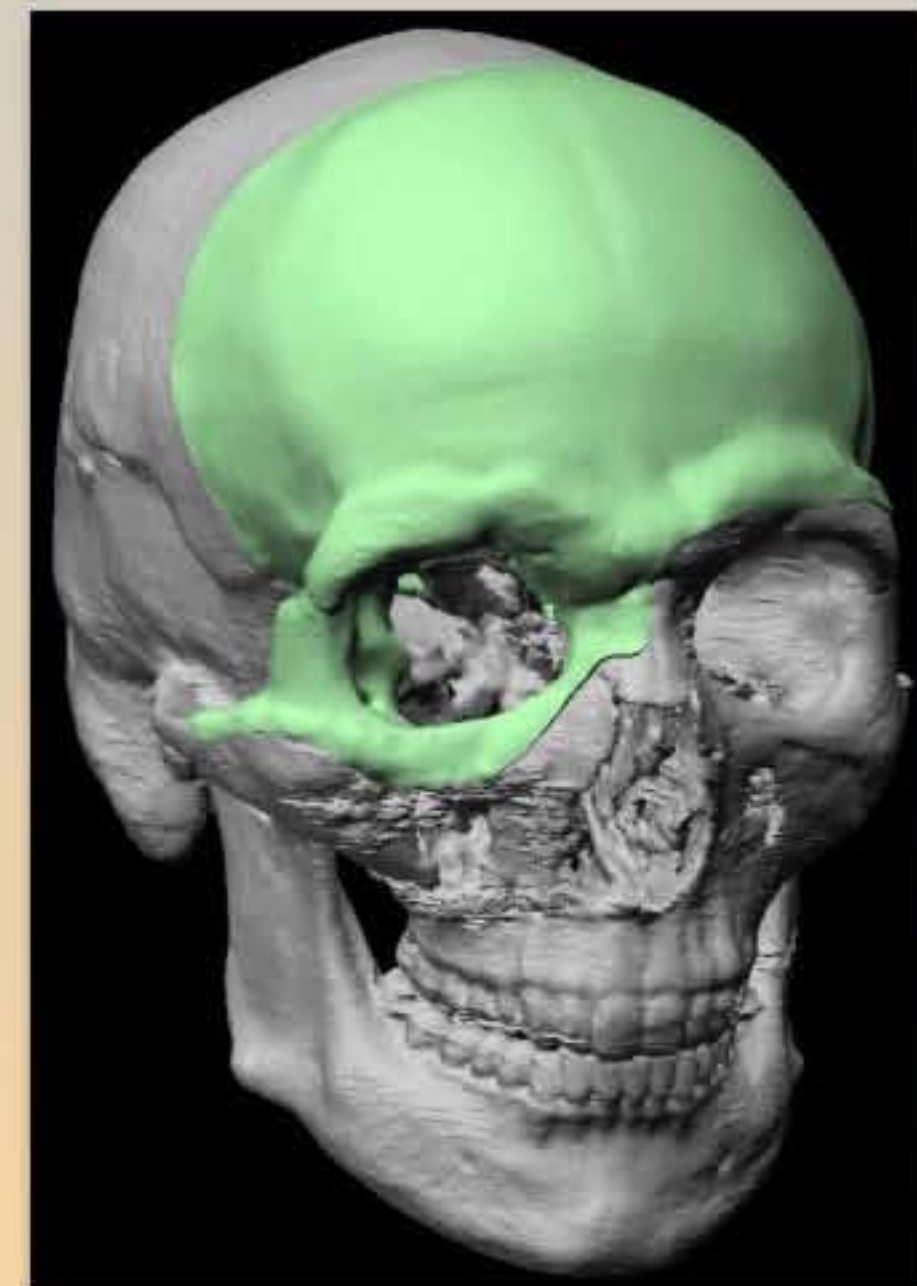
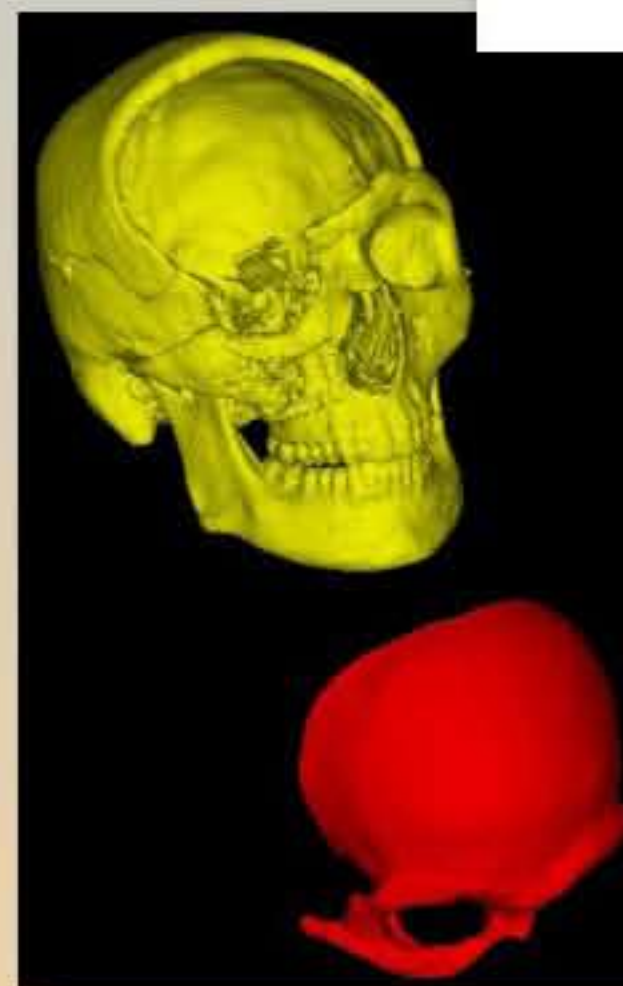


Clinician

Pattern is Shipped back to Clinician

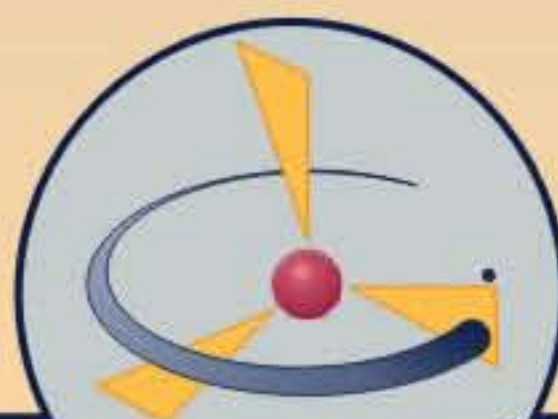
Final Prosthesis is Created for Patient

Computer file is fabricated via Rapid Prototyping



The Physician or Anaplastologist starts working with the patient using standard techniques. However, after the initial impression and cast have been created, they are laser scanned.

The data is used to build a CAD model, from which a Rapid Prototype (RP) is made. The RP is sent back, and a medical grade part is created for the patient.



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