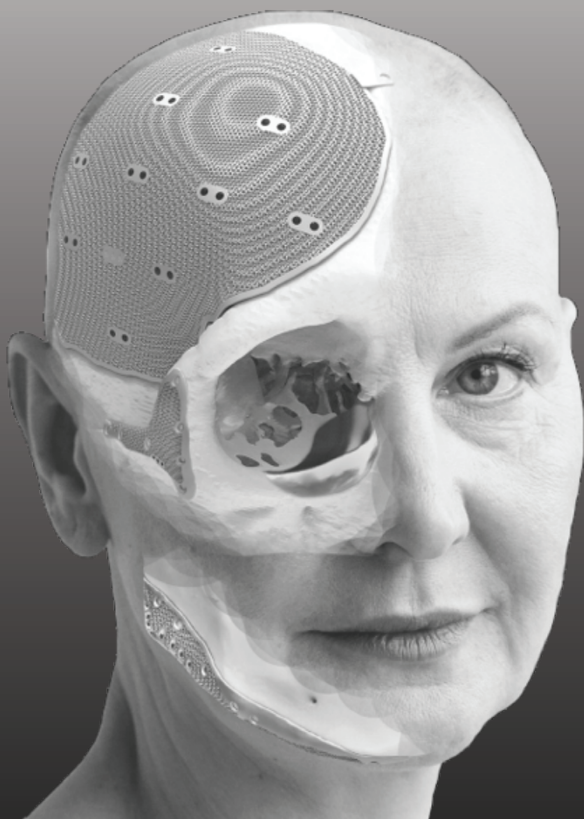




# PRIMARY SERIES

Customized Craniomaxillofacial system



PATIENT  
SPECIFIC



3D  
PRINTING



CAD/CAM



TIME  
REDUCTION



STABILITY

# 3D PRINTED IMPLANTS

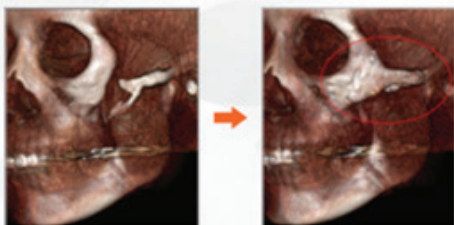
Ti-6Al-4V ELI (ASTM F136 & F3001) powder

Using \*SLM 3D Printing technique

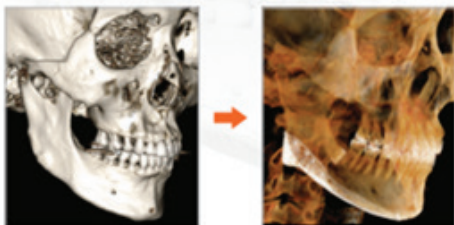
\*Selective Laser Melting

## CLINICAL APPLICATIONS

### ► Zygomatic Case

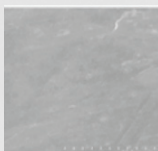


### ► Mandible Case

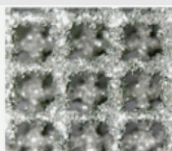


## Specification

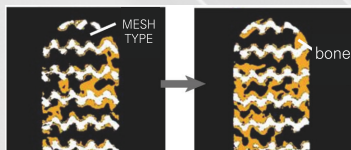
- Anatomical features
- Biocompatibility & Optimal high strength
- Porous structure
- No additional fixation plates required
- Pre-determined screw position



SOLID



MESH-TYPE  
(Porous structure)

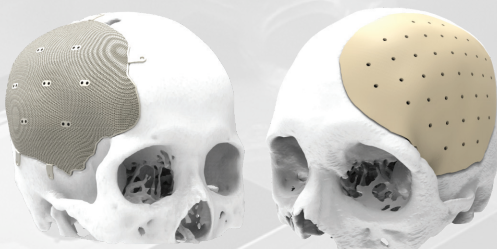


Bone growth on time

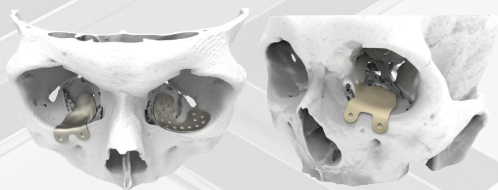
# PRIMARY SERIES

- Better anatomical conformity
- Shorter operation time
- Aesthetic results that are pleasing to surgeons and patients

Cranioplasty



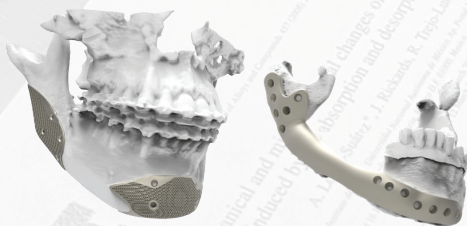
Orbital bone reconstruction



Zygomatic bone reconstruction



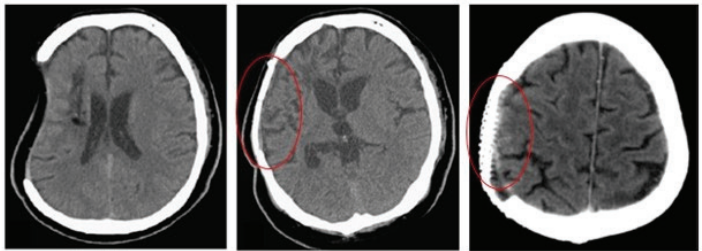
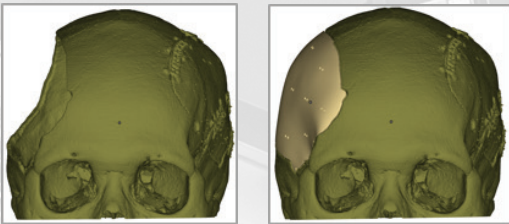
Mandible reconstruction



# PEEK MILLED IMPLANTS

PEEK (Poly-ether-ether-ketone, ASTM F2026)  
Polymer material Using CAD/CAM technique

## CLINICAL APPLICATIONS



Before

After (PEEK)

After (Titanium mesh)

Comparison of implant materials in the radiological image

## Specification

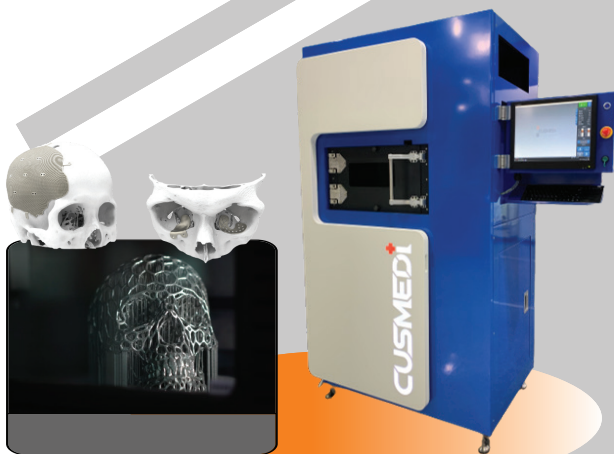
- Similar elastic modulus with native bone
- Anatomical features
- Biocompatibility & Heat resistance
- CT/MRI compatible
- Pre-determined screw position





## REAL TIME COMMUNICATION SOFTWARE

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## Order process

1



CT data

2



3D modeling

3



3D printing  
/CNC

4



Delivery

2~3 working day



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