stryker

Facial iD®

Reconstruction

iD Solutions®

Individually designed. Personalized care.

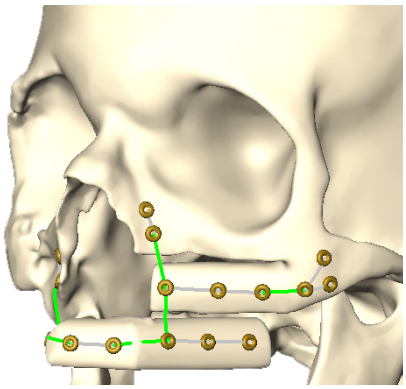
We're putting the control in **your hands**

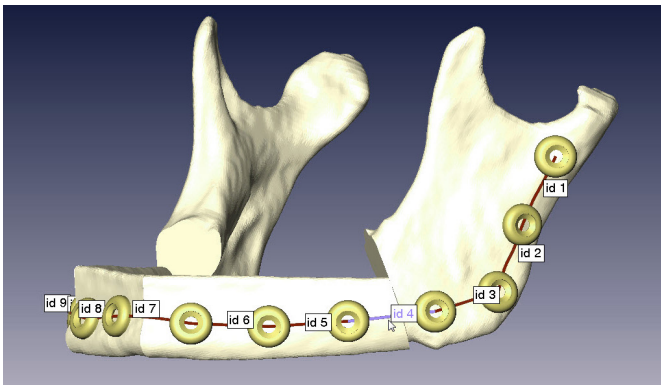
We designed our Facial iD midface and mandible reconstruction plates to meet the individual needs of you and your patients. These customized plates are manufactured to the planned patient outcome, eliminating the time needed for intraoperative adaptation. In collaboration with 3D Systems, Virtual Surgical Planning (VSP) can be used to further enhance your patient outcomes.

Personalized design session

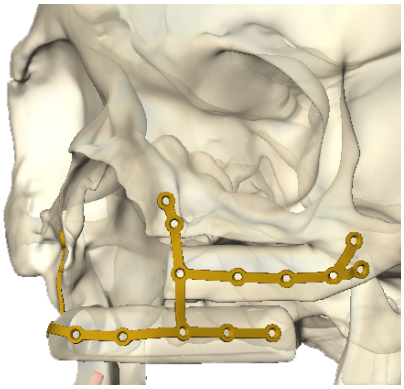
During a design session, you can interface with a design engineer to select specific plate features such as profile height, length and run of the plate, number of screw holes, as well as individual bar strengthening.

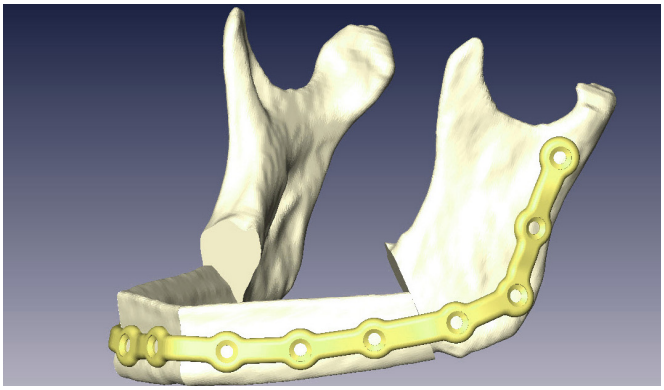
Screw holes are placed according to your preoperative plan





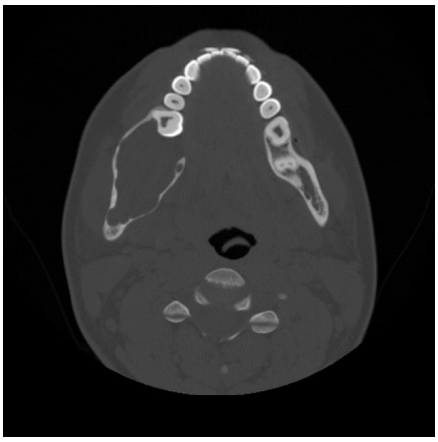
Visualize final implant on the design session





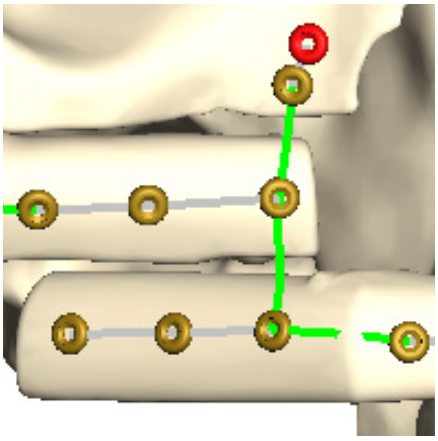
Artistry **redefined.**

The value of true **customization**



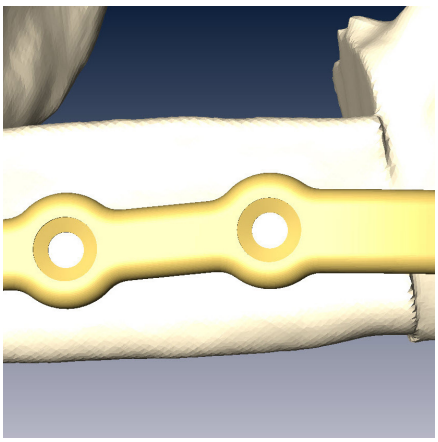
Patient-specific design derived from patient CT or CBCT data

Our iD Solutions team creates a virtual reconstruction and an individual plate design with your online participation. Plate design is based upon a CT or CBCT scan of your patient.



Customizable design features

By selecting specific plate design features like profile height, length and run of the plate you can create patient-specific solutions. Specific screw hole positions are defined individually to avoid screw interference with nerves, tooth roots, osteotomies and existing or future implants.



Customized strength optimization

Select plate profile heights and increase bar widths over the osteotomy site; potentially improving the fatigue strength by approximately 40% compared to standard universal mandible reconstruction plates.[1]

Mandible reconstruction
Titanium

Primary mandible reconstruction (2.0mm)

78-31020
full

78-30020
hemi

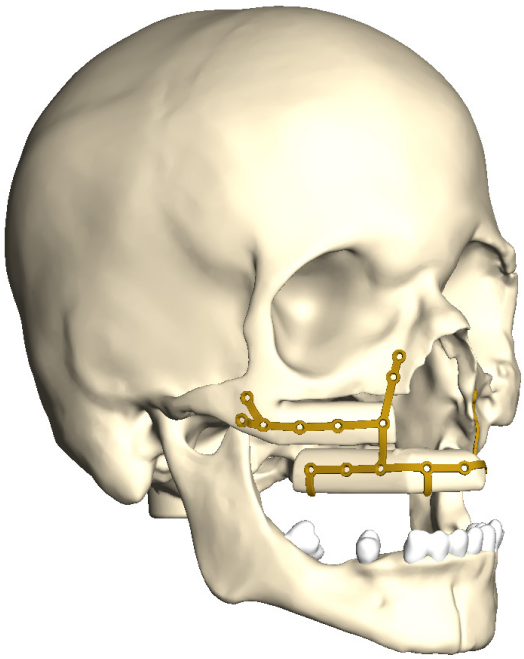
Secondary mandible reconstruction (2.8mm)

78-31028
full

78-30028
hemi

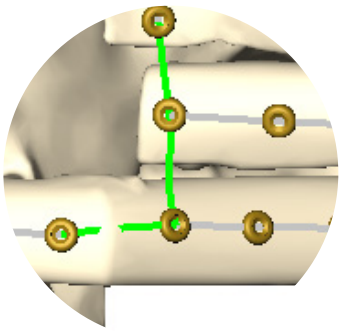
Midface reconstruction

Titanium, MEDPOR and PEEK

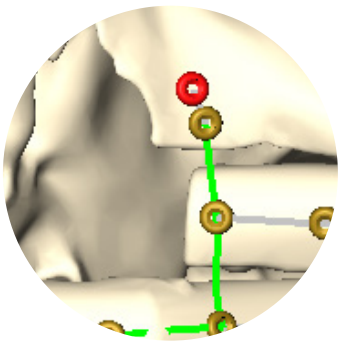


Enhanced visualization

Receive real time feedback while precisely planning screw hole location, bar width and plate thickness around critical anatomy.



Critical bars indicated

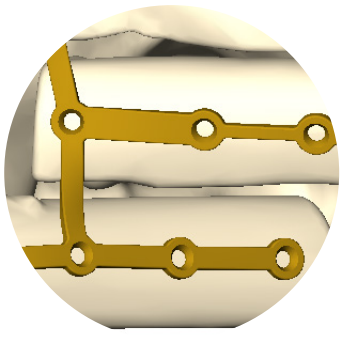


Screw hole placement

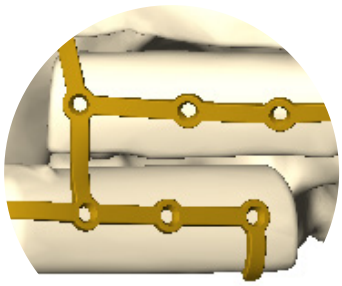
Design flexibility

Allows for variation in implant complexity and choice of screw diameter to fit your surgical needs.

Y plate designs



Varied bar thickness



Flange for additional bony reference points

MEDPOR

High density, porous polyethylene implants planned off of patient specific CT/CBCT scans.

Interconnecting, omni-directional pore structure promotes fibrovascular ingrowth and integration of the patient's tissue.

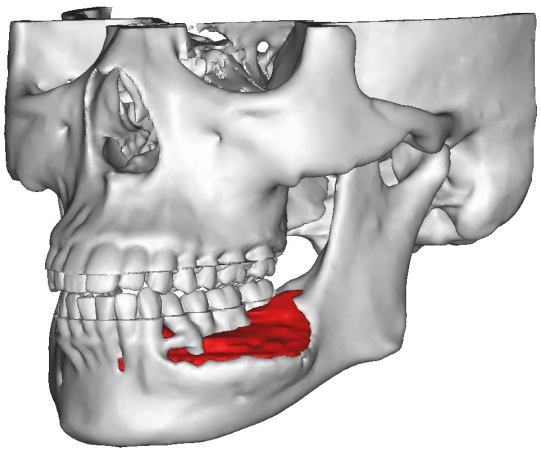
If desired, material can be easily modified intraoperatively and can be fixated without pre-drilling holes.

PEEK

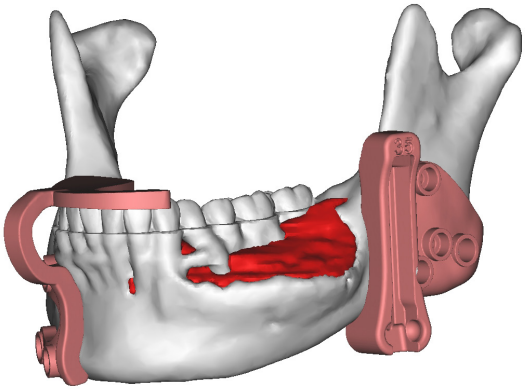
Polyether ether ketone implants are planned off of patient specific CT/CBCT scans allowing for a precise fit and accurate reconstruction.

Material provides strength and the ability to modify intraoperatively if needed.

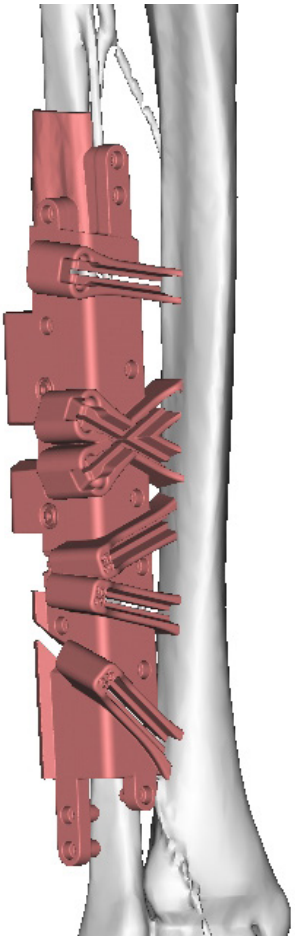
Virtual Surgical Planning



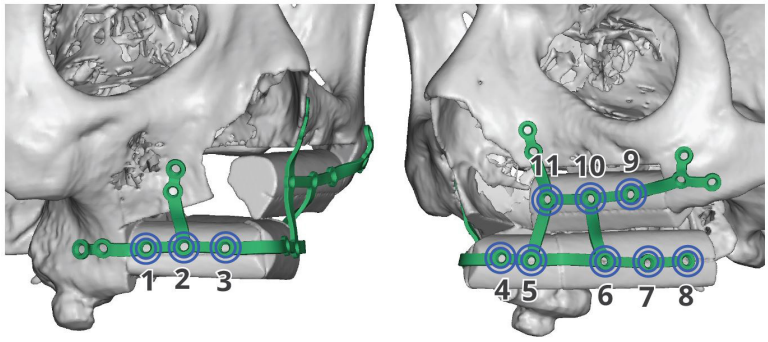
Pre and postoperative patient anatomy



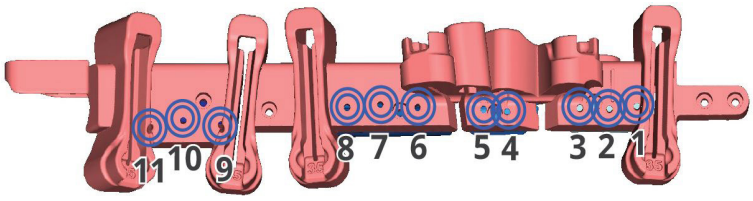
Cutting guides with metal inserts



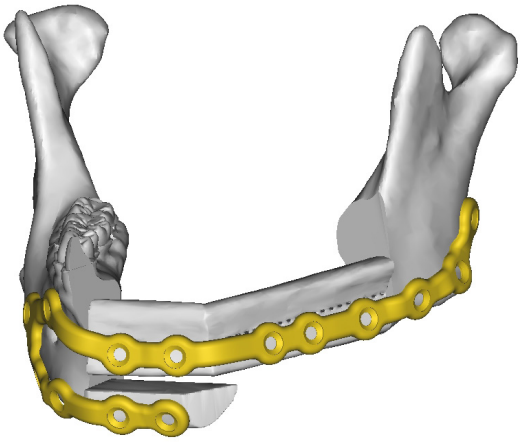
Fibula cutting guides with metal inserts



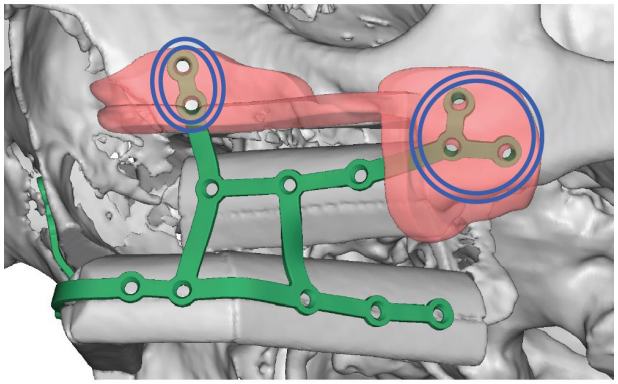
Predictive drill holes link final and original position of fibula segments



Together with 3D Systems **we offer VSP®**



Postoperative anatomy with Facial iD reconstruction plate

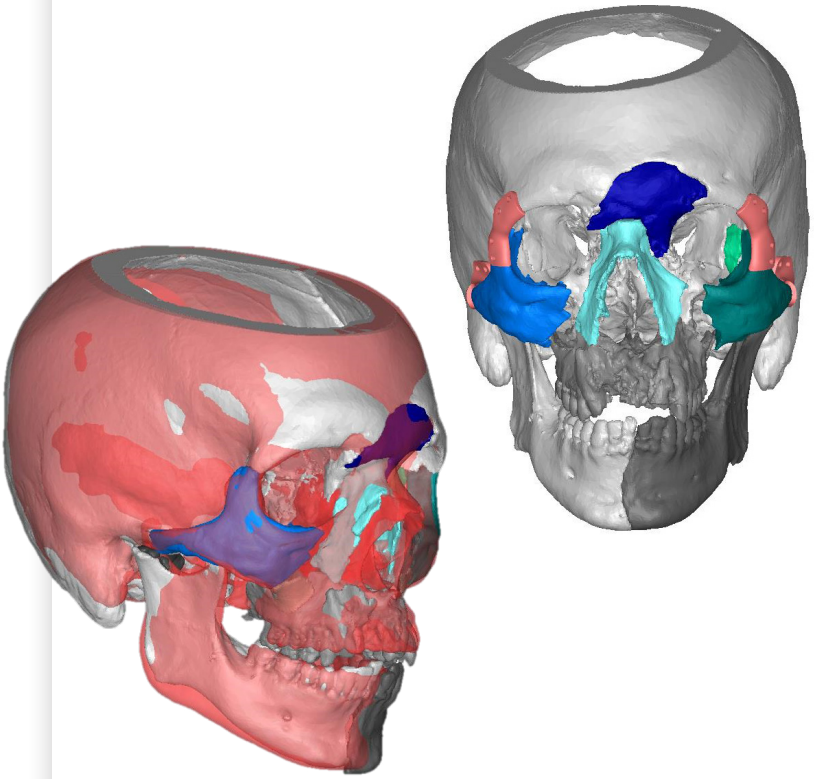


Marking guides with predictive screw holes

Plan with **confidence.**

Midface and mandible

trauma



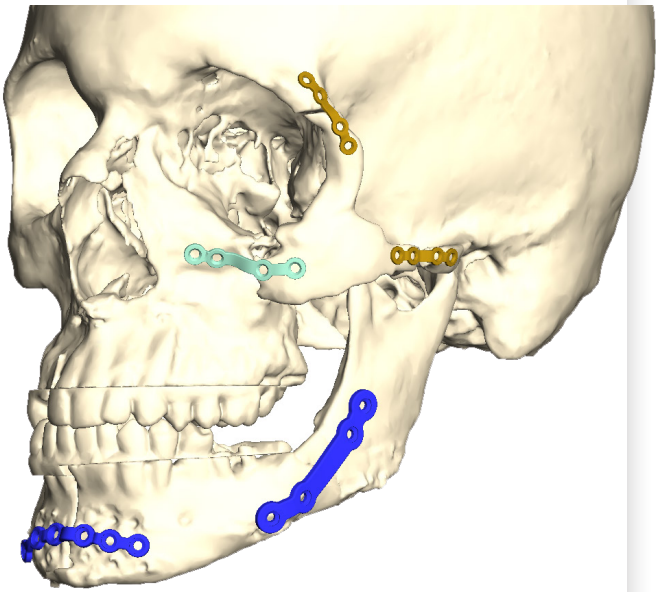
Virtual Surgical Planning

Visualize preoperative and repositioned postoperative anatomy

Utilize positioning guides to ensure accurate reconstruction

3D Printed plates

Design patient specific plates for fracture repair in midface and mandible trauma



Ordering information

Midface reconstruction and midface/mandible trauma

Part number	Description
78-91001	1 plate
78-91002	2 plates
78-91003	3 plates
78-91004	4 plates
78-91005	5 plates
78-91006	6 plates
78-91007	7 plates
78-91008	8 plates

MEDPOR reconstruction

Part number	Description
5444-0-510	Customized midface

PEEK reconstruction

Part number	Description
78-10100	Customized midface

Mandible reconstruction

Part number	Description
2.0mm Primary reconstruction	
78-30020	Hemi plate
78-31020	Full plate
78-20020	Kit, hemi plate
78-21020	Kit, full plate
2.8mm Secondary reconstruction	
78-30028	Hemi plate
78-31028	Full plate
78-20028	Kit, hemi plate
78-21028	Kit, full plate

Craniomaxillofacial

References
1. Dynamic Testing. Reports available at Stryker Leibinger GmbH & Co. KG.

CMF-BR-230_Rev.None_22966

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