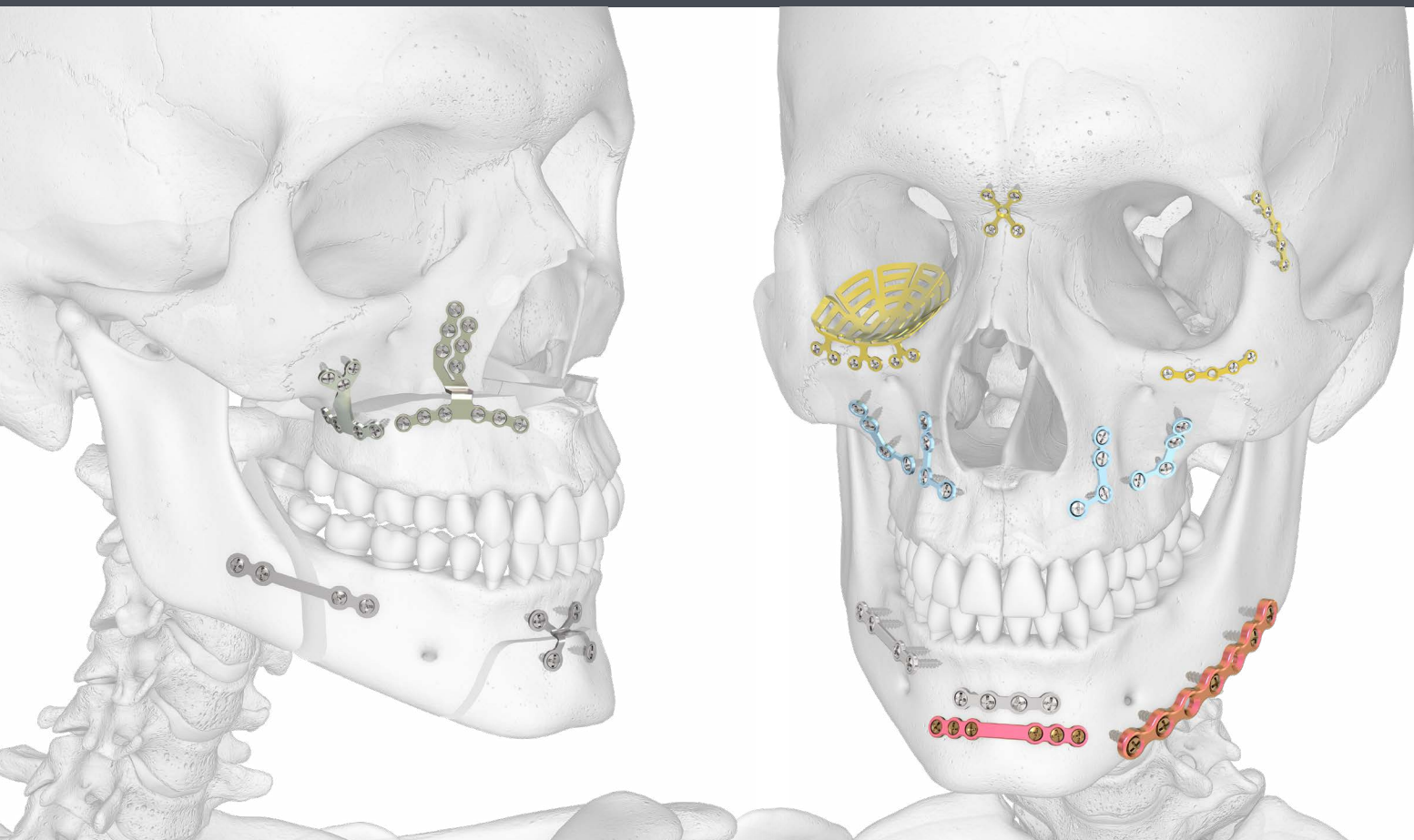
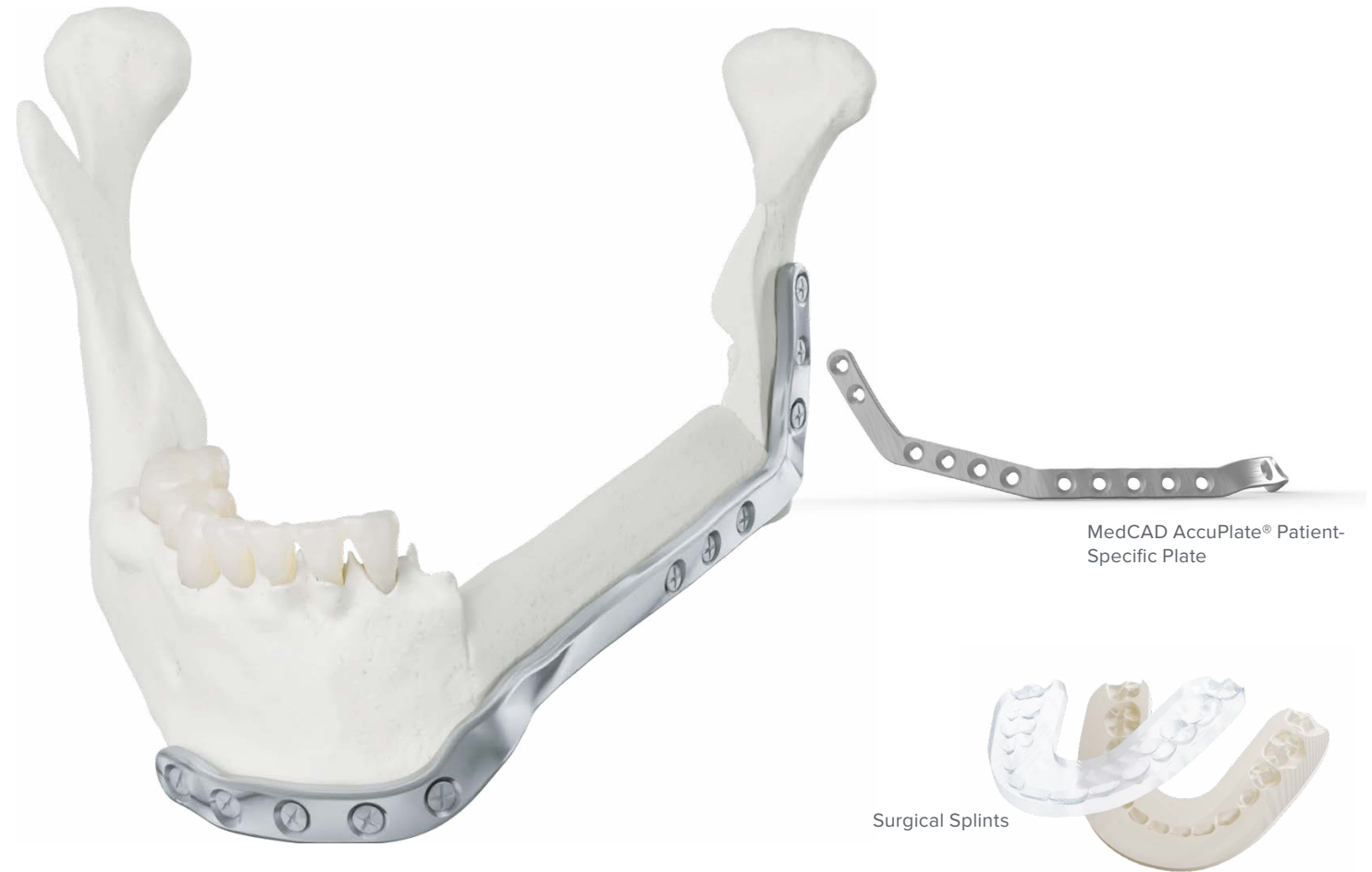




Craniomaxillofacial Solutions

## A Complete Range of Craniomaxillofacial and Mandibular Fixation





MedCAD AccuPlate® Patient-Specific Plate

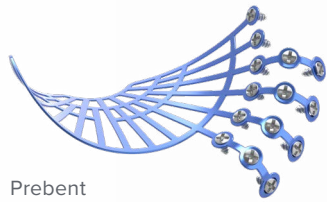
Surgical Splints

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For more information:  
[go.acumed.net/CMF](https://go.acumed.net/CMF)

# Comprehensive CMF Solutions

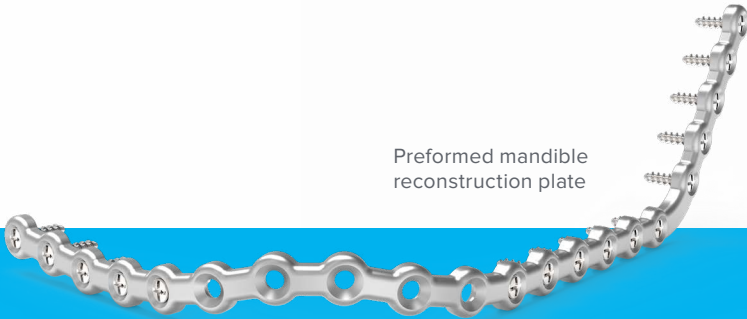


Prebent  
orbital floor plates



Auto-Drive®  
Screws

Preformed mandible  
reconstruction plate



OsteoMed® offers a comprehensive portfolio of CMF, mandible fracture, and reconstruction fixation, plus specialty plates. These plates can be used with our patented Auto-Drive® screws.

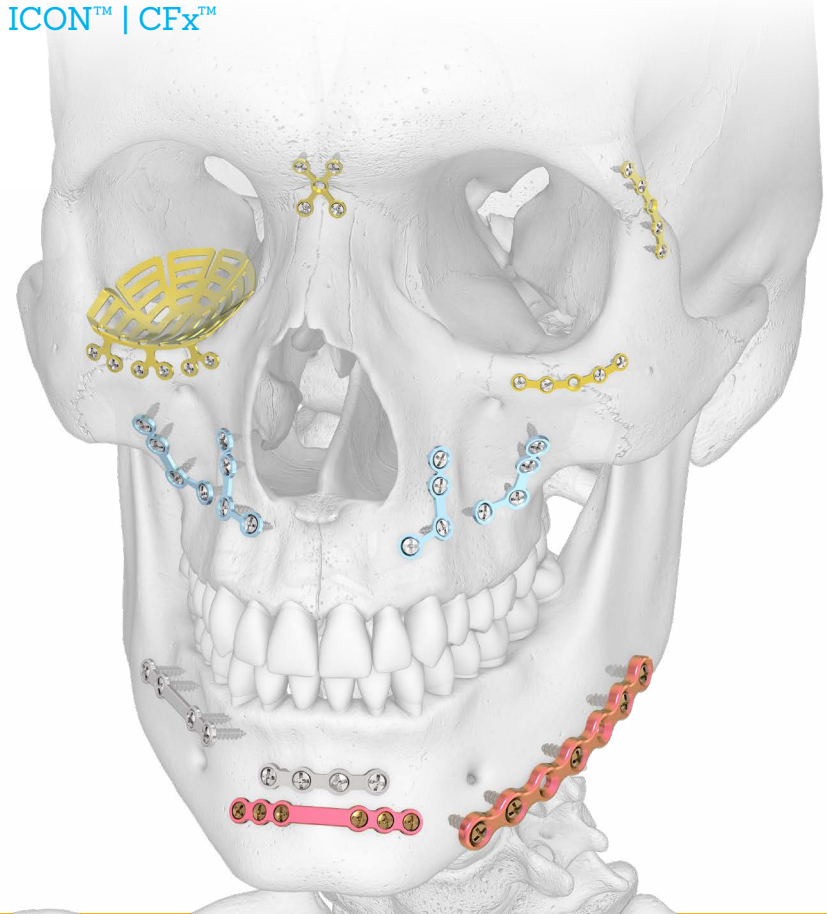
# Facial Plating Solutions

ICON™ | CFx™

OsteoMed® offers two comprehensive craniomaxillofacial fixation systems with the ICON and CFx systems.

Each system comes with numerous plate block configurations for 1.2 mm, 1.6 mm, and 2.0 mm modules (standard). 2.0/2.4 mm angled locking, Orthognathic Supra Advancement, and 2.0 mm Orthognathic modules are additional.

The systems feature our patented Auto-Drive® screws and multiple titanium plate configurations for craniomaxillofacial procedures. They also house trocars, cannulas, ergonomic handles, and our patented clamping cheek retractor.



Indications include but are not limited to:

## 1.2/1.6 mm Indications

Cranioplasty

Cranosynostosis

Craniotomies

Midface fractures

LeFort I, II, and III

Segmental Maxilla

## 2.0 mm Indications

Mandible and midface fractures

LeFort I, II, and III

BSSO

Genioplasty

Segmental osteotomies

## 2.0/2.4 mm Angled Locking Indications

Trauma

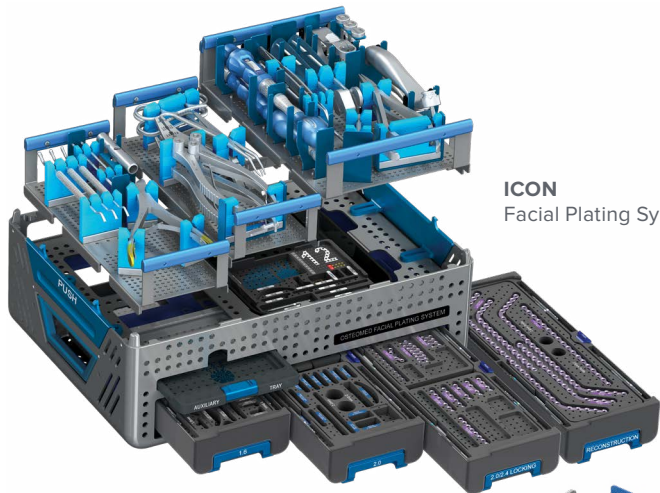
Angle fractures

External oblique ridge fractures

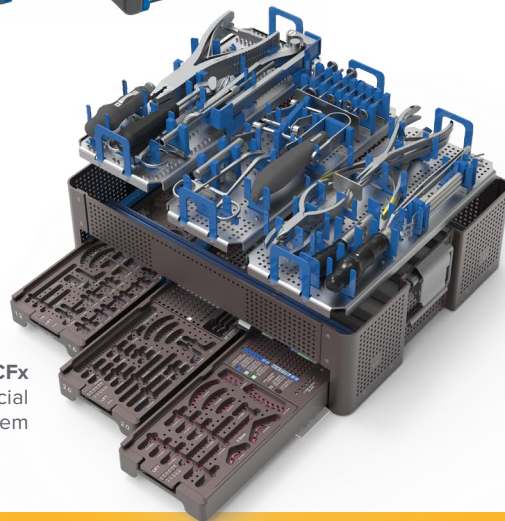
Body fractures

Symphysis/Parasymphysis fractures

Condylar head fractures



**ICON**  
Facial Plating System



**CFx**  
Craniomaxillofacial  
Fixation System

## ICON™

The ICON Facial Plating System is OsteoMed® next generation CMF surgical solution. Each of the 1.2, 1.6, 2.0, and 2.4 mm modules are completely customizable with individual plate and screw tags. System design features, such as the built-in auxiliary mesh tray and utility tray, offer space to include larger meshes, orbital floor plates, and optional instrumentation. This system be configured with either 3 or 2 modules.

## CFx™

The CFx is a comprehensive craniomaxillofacial fixation system featuring modular instrument trays on top and 3 module bays underneath. The system comes standard with 1.2/1.6, 2.0, and 2.0/2.4 mm modules. 2.0 mm Orthognathic and the Orthognathic Supra Advancement modules are optional/additional to the typical set build.

### 1.2/1.6 mm

### Thickness

Straight Plates	0.51/0.61 mm
Curved Plates	0.56/0.61 mm
Y Plates	0.51/0.61 mm
L Plates	0.51/0.61 mm
Quad Plates	0.51/0.61 mm
X Plates	0.51/0.61 mm
ZED Plates	0.51/0.61 mm
Bur Holes Plates	0.51/NA mm
Orbital Plates	0.36/0.25 mm
Mesh Plates	0.25/0.25 mm

### 2.0 mm

### Thickness

Straight Plates	0.61/0.71/1.0 mm
Curved Plates	0.89 mm
Y Plates	0.61/0.79 mm
L Plates	0.61/0.79 mm
ZED Plates	0.61/0.71 mm
BSSO Plates	0.99/1.04 mm
Compression Plates	0.79 mm
Chin Plates	0.61/0.71 mm

### 2.4 mm

### Thickness

Straight Plates	1.0/1.5 mm
Curved Plates	1.0 mm
Angle Plates	1.0/1.5 mm
Condyle Plates	1.0 mm
Reconstruction Plates	2.0/2.8 mm

# Facial Plating Solutions

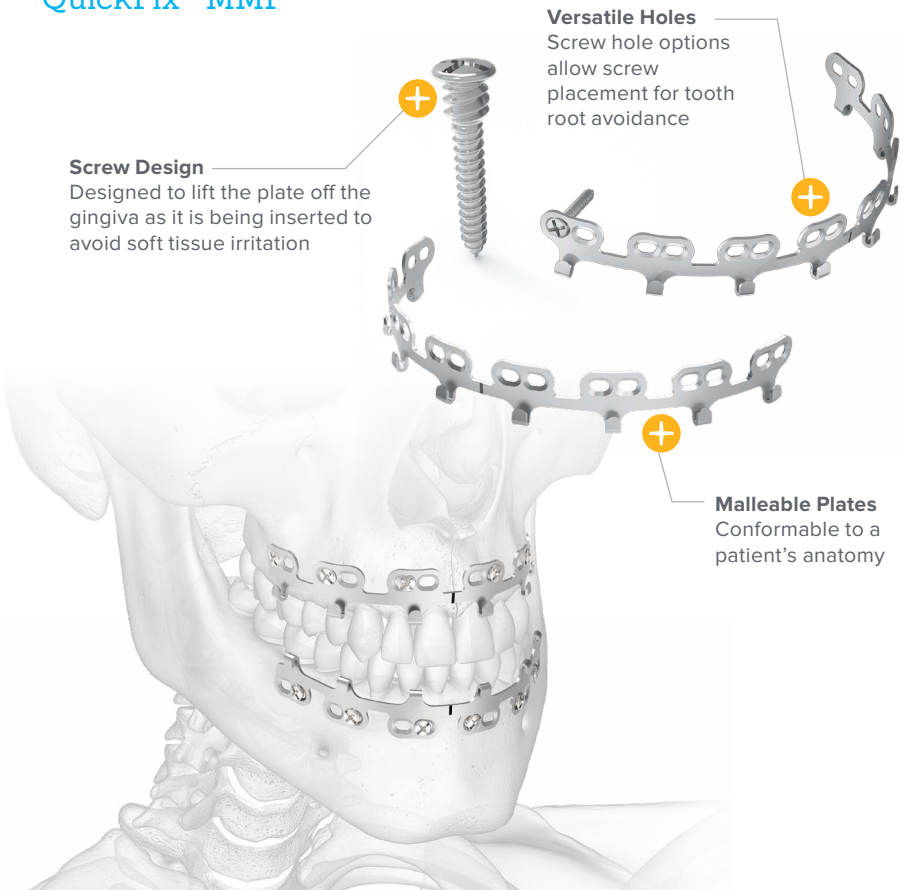
## QuickFix™ MMF

The QuickFix MMF system is indicated for the temporary stabilization of the maxilla and mandible during and postoperatively following maxillary and/or mandibular fracture repair to maintain proper occlusion and facilitate postoperative healing in adults and in adolescents whose permanent teeth have erupted.



### Soft Tissue Irritation

Locking plate and screw interface is designed to lift the plate off the gingiva, along with multiple screw holes to avoid the tooth root.



### Compact Instrument Tray

The QuickFix module is compact and contains plates, screws, and instrumentation needed to perform maxilla and mandible temporary fixation. Driver handle, driver stems, plate cutters, and plate benders are conveniently arranged in a sterilizable caddy.



# Facial Plating Solutions

## Matrix OMNIPORE Customized Surgical Implants

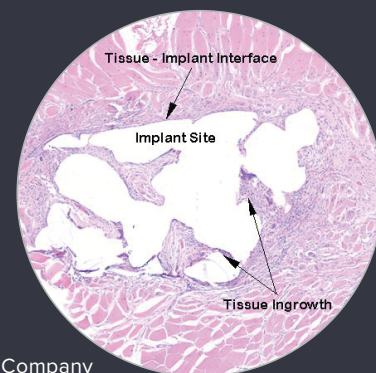
**MATRIX**  
**SURGICAL USA**  
*Where Art Meets Science*



### Matrix OMNIPORE

OsteoMed® partners with Matrix to distribute OMNIPORE Customized Surgical Implants. These implants are manufactured from a linear form of high-density polyethylene (HDPE). Polyethylene has a long history of use in surgical implants. The interconnecting open pore structure of OMNIPORE HDPE implants allows for tissue ingrowth. Additionally, the firm nature of the material allows for modification with a surgical instrument without collapsing the pore structure. OMNIPORE Customized Surgical Implants are defect-specific and intended for augmentation and restoration of the cranio-maxillofacial skeleton.

The porosity of OMNIPORE Surgical Implants is maintained large, with average pore sizes greater than 100 microns and pore volume in the 50% range (measured by Mercury Intrusion Porosimetry). Animal data\* has demonstrated that the OMNIPORE Surgical Implants permit tissue ingrowth. The clinical significance of tissue ingrowth may vary with the application and implant site. In Vitro and In Vivo biocompatibility studies have shown OMNIPORE Surgical Implants to be free from any observable systemic or cytotoxic effects.



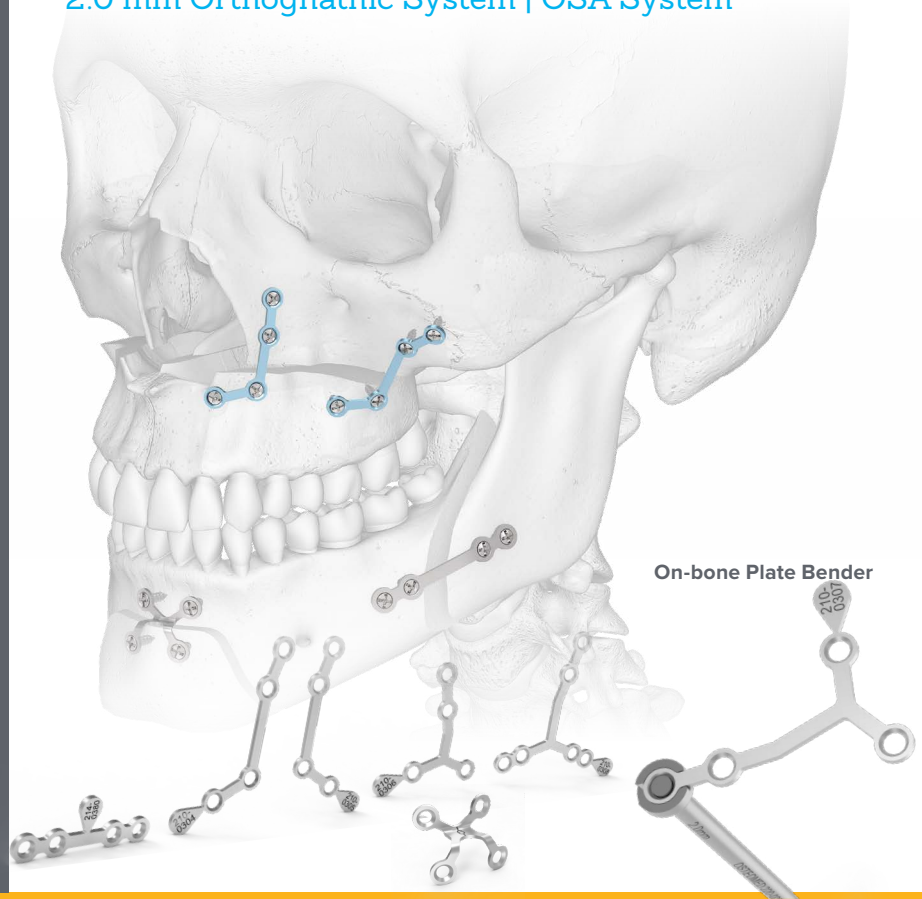
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\* A reference list of articles/presentations and publications on high-density polyethylene craniofacial implants and porous polyethylene is available upon request from Matrix Surgical USA.

# Orthognathic Solutions

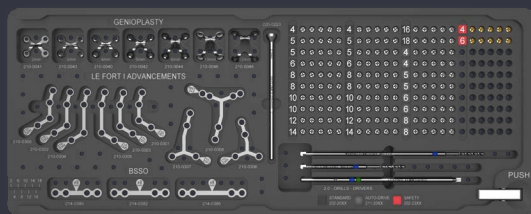
## 2.0 mm Orthognathic System | OSA System

The Orthognathic System includes the OSA and 2.0 mm Orthognathic modules. These are optional modules of the CFx system and can be customizable as part of the ICON system. The system includes plates, screws and instrumentation used for standard orthognathic maxillary and mandibular advancements.

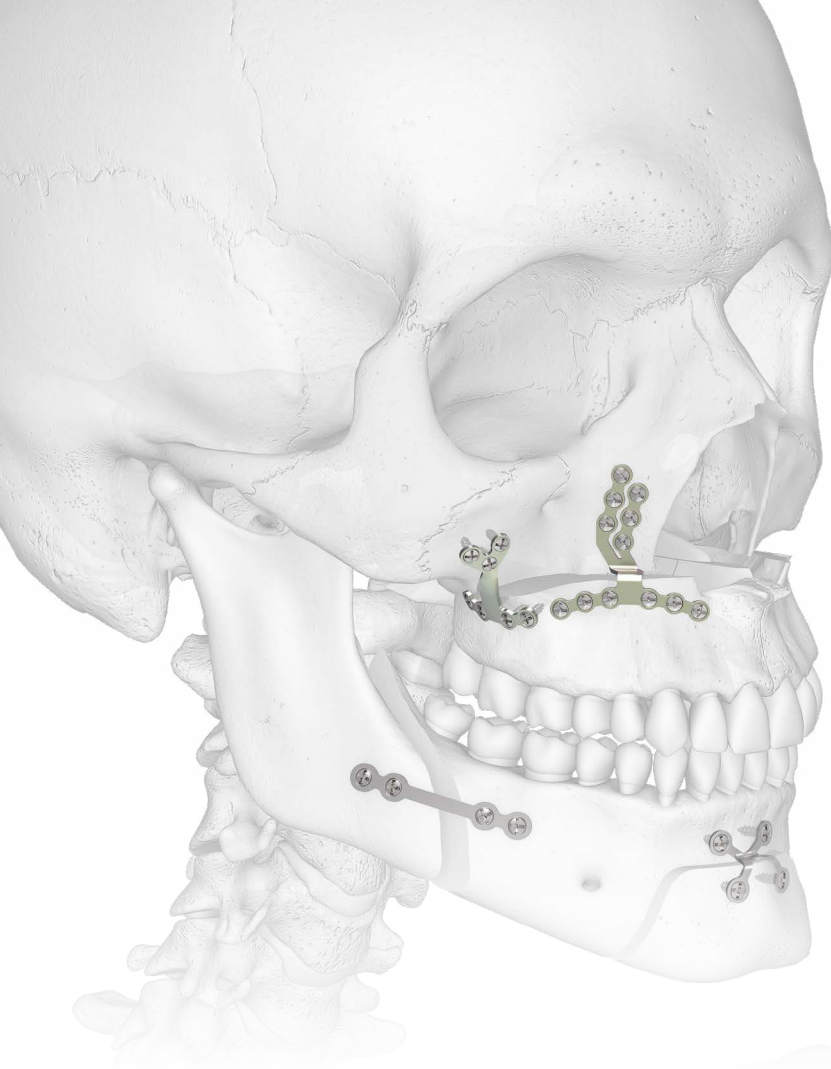


## 2.0 mm Orthognathic System

The 2.0 mm Orthognathic System is designed for cranial and facial trauma reconstruction, orthognathic reconstruction, and mandibular reconstruction. The system features preshaped plates for passive adaptation to the buttress regions on the cranium. Several of these plates are reversible for left or right placement. The system also features several plates for multisegment LeFort I patterns and BSSO plates to cover a range of advancements. The module contains standard, Auto-Drive®, and safety screws with drills and drivers.





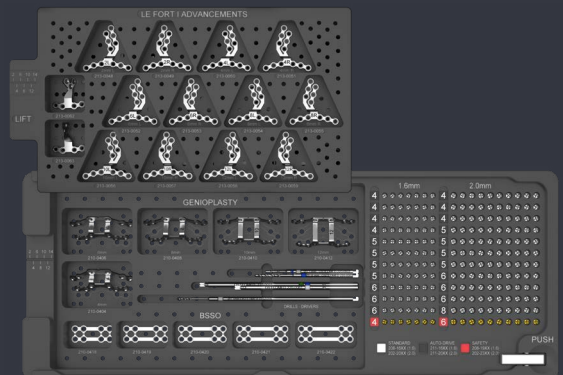


The OsteoMed® Orthognathic System offers **55 standard and prebent plates**



## OSA System

The OSA system is designed for selective orthognathic surgery of the maxilla and mandible. The system features prebent maxillary plates for advancements up to 12 mm and preformed buttress plates that require no contouring. This system also features BSSO plates with 6–14 mm of advancement, and ISO chin plates with 8–12 mm of advancement. The module contains standard, Auto-Drive®, safety screws with the drills and drivers needed to insert them.



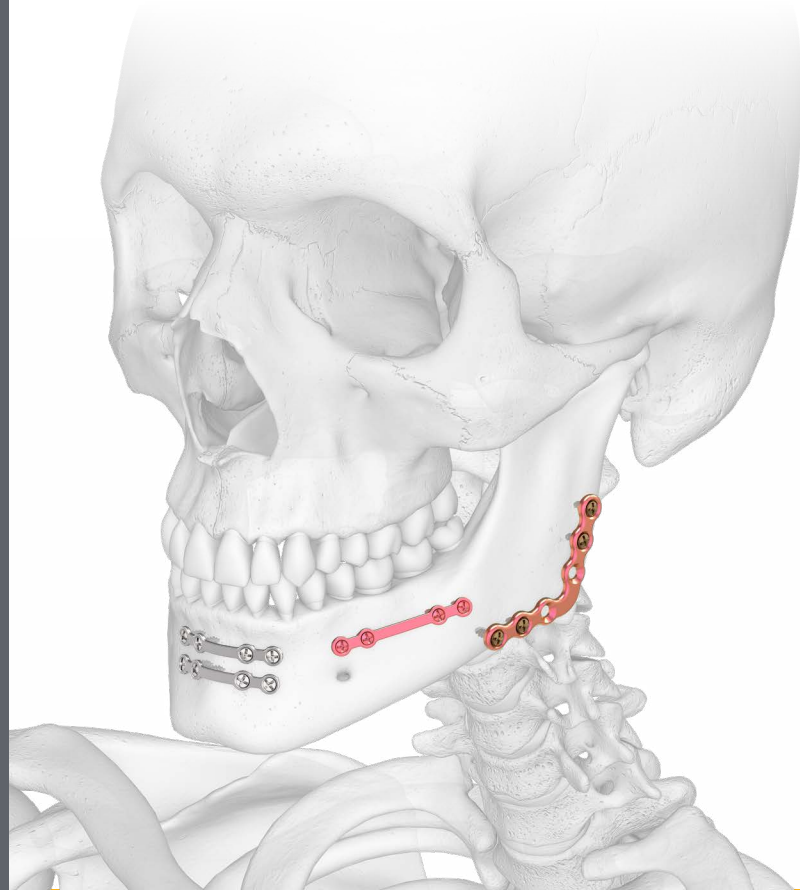
# Mandible Fixation Solutions

MFx™ | ReconForm

## MFx

The MFx system is designed to handle mandibular trauma, elective procedures, and reconstruction. With the same footprint as the CFx system, it provides the ability to customize both the instrumentation and the plate and screw blocks, creating a truly modular system without excess hospital inventory.

This system comes with the 2.0 mm fracture, 2.4 mm fracture, 2.4 mm reconstruction plates as a standard configuration. The 2.0/2.4 mm angulated locking and 2.4 mm reconstruction angulated locking blocks are available as additional or optional blocks. Each block houses the appropriate plates, screws, drills, drivers, and templates.



## Standard Modules



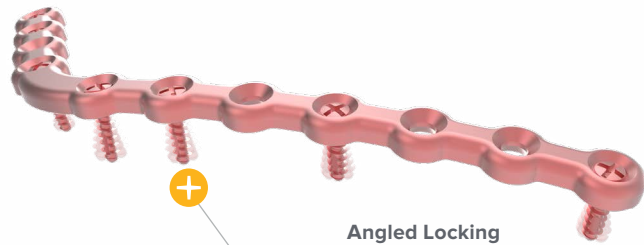
2.0 mm Fracture Organizer Block



2.4 mm Fracture Organizer Block

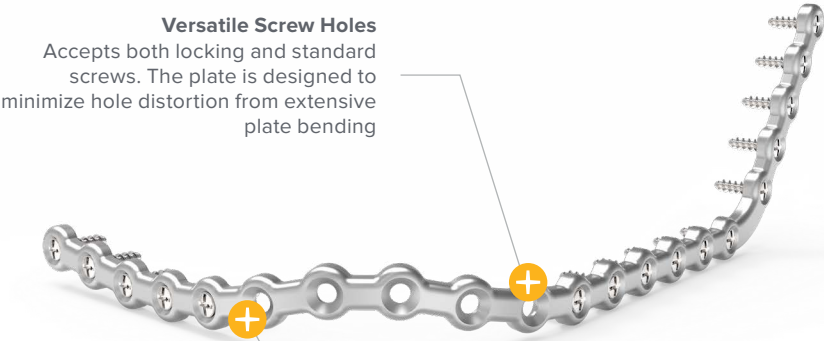


2.4 mm Reconstruction Organizer Block



**Angled Locking**

Allows up to 20 degrees of angulation in the 2.0/2.4 mm plate and screw options



**Versatile Screw Holes**

Accepts both locking and standard screws. The plate is designed to minimize hole distortion from extensive plate bending

**Preformed Plates**

Available in left/right options in small, medium, and large sizes

Indications include but are not limited to:

**2.0/2.4 mm Indications**

Trauma

Angled fractures

External oblique ridge fractures

Body fractures

Symphysis/Parasymphysis fractures

Condylar head fractures

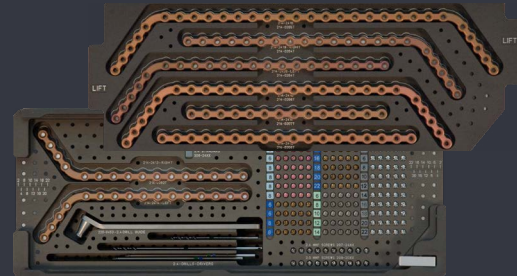
**ReconForm**

OsteoMed® ReconForm is a Preformed Mandibular Fixation plate contoured to the anatomy of the mandible. ReconForm is designed to preserve thread hole shape and minimize plate stress due to excessive bending that is common in traditional reconstruction plates.

**Optional Modules**



2.0/2.4 mm Angle Locking Organizer Block



2.4 mm Angle Locking Reconstruction Organizer Block

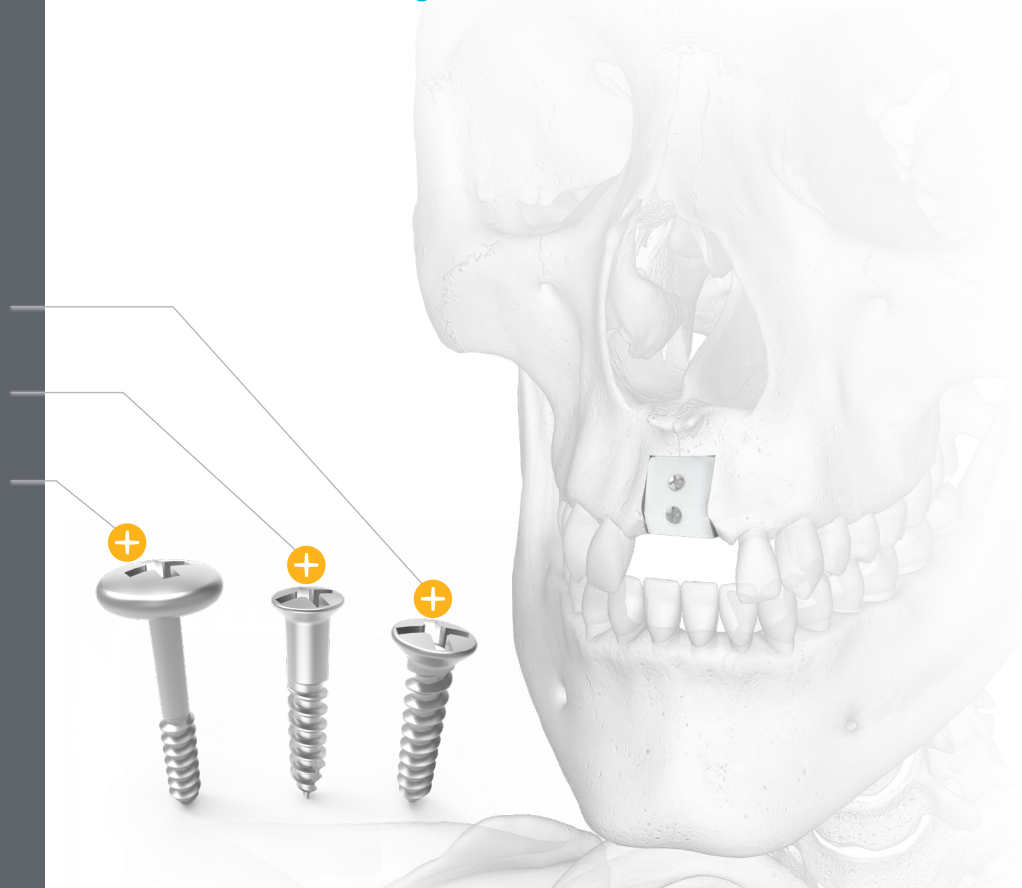
# Dentoalveolar Solutions

Mincro™ | OMI™ | RidgeForm Mesh

## Mincro

The Mincro System includes 1.2 mm & 1.6 mm diameter screws and instrumentation used for fixation and stabilization of bone grafts and the temporary stabilization and fixation of nonresorbable barrier membranes used in guided bone regeneration.

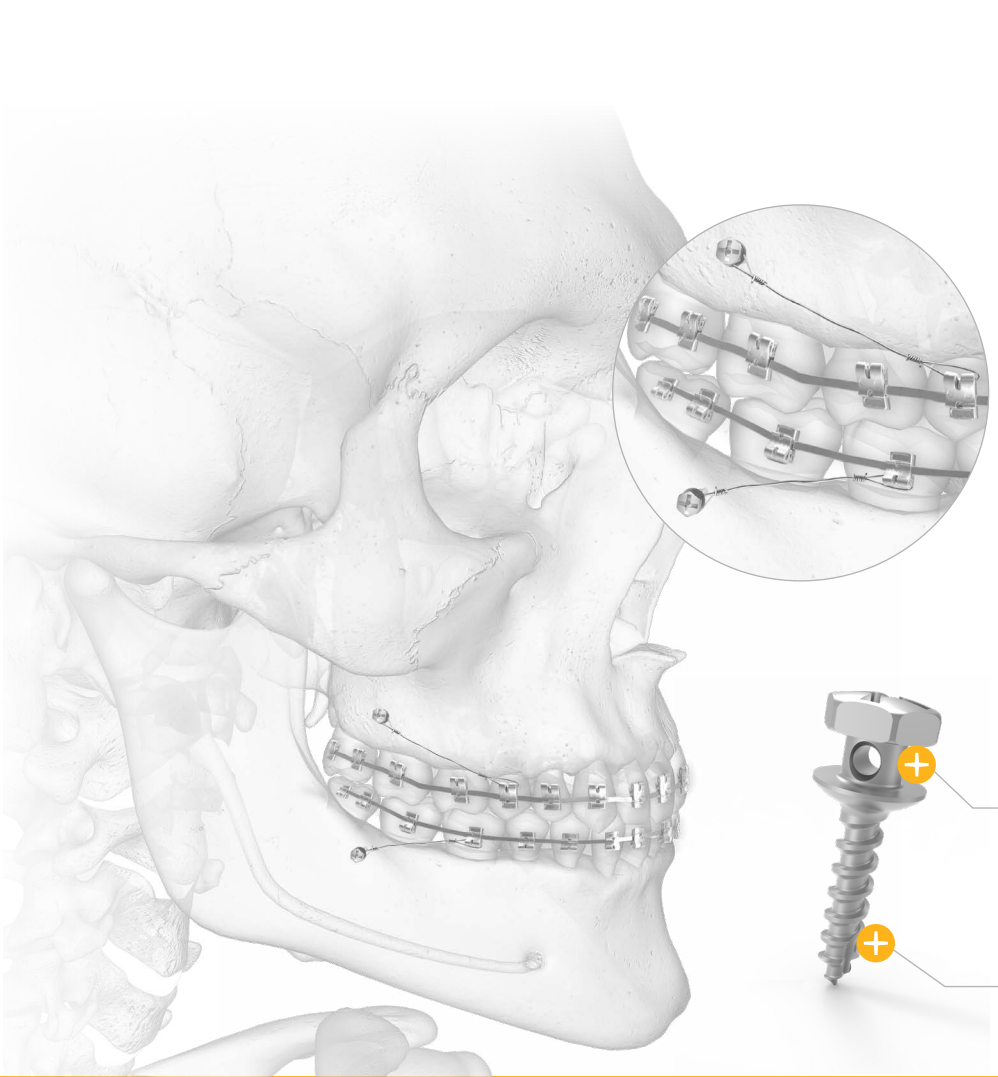
- ▶ 1.2 mm diameter standard screws in lengths from 2–12 mm
- ▶ 1.2/1.6 mm diameter Auto-Drive® partially threaded screws in lengths of 4 mm and 12 mm
- ▶ 1.2 mm diameter tenting screws in lengths from 6–10 mm



The Mincro bone generation kit is a compact system includes a driver handle, 1.2 and 1.6 mm drill and driver stems and various 1.2/1.6 mm screws.

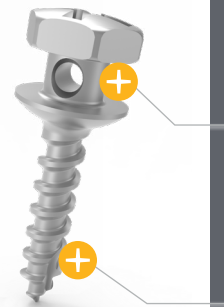
- ▶ 1.2 mm tenting screw has a large surface area head designed to support the membrane and maintain volume in the graft site.
- ▶ 1.6 mm bone graft fixation screws can purchase bone and can be removed without stripping or breaking.
- ▶ 1.2/1.6 mm membrane tacking screw is designed to stabilize membrane. Its low-profile head is designed to minimize soft-tissue perforation.





## OMI™

The OMI Orthodontic Anchor System is comprised of implants and instrumentation to provide a fixed anchorage point of attachment for orthodontic appliances. This system features our patented Auto-Drive® self-drilling screws, which eliminate the need for predrilling. The screws feature an aperture and flange design of the implant head providing a secure anchoring of dentition. The OMI Orthodontic Anchor Implants are intended for single patient use only. They are intended for temporary use, to be removed after orthodontic treatment has been completed.



- ▶ Cruciform driver engagement
- ▶ Pass-through hole
- ▶ Flanged head design
- ▶ MTA (Maximum Thread Area) Screw design
- ▶ Auto-Drive screw tip



The OMI Orthodontic Anchor System is comprised of screws, driver handle, drills and driver stems, and a finger driver for areas that are harder to reach for screw tightening. The system comes in a compact block that can be sterilized as needed.

- ▶ OMI screws feature our patented Auto-Drive screw tips, which minimize the need for predrilling.
- ▶ 1.2 and 1.6 mm screws available in 6, 8, 10, and 12 mm

# Dentoalveolar Solutions

Mincro | OMI™ | RidgeForm Mesh

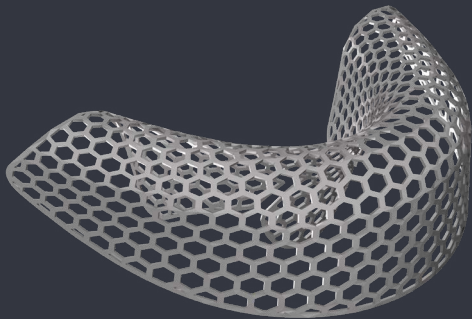
## RidgeForm Mesh

The OsteoMed® RidgeForm Mesh is comprised of 1.6 mm and 2.0 mm diameter screws and meshes used for stabilization and support of bone grafts in dentoalveolar bony defect sites. This system features our patented Auto-Drive® self-drilling screws, which eliminate the need for predrilling.

The instruments include screwdrivers for the placement of support and tacking screws, a surgical stent, an insertion tool, and a plate cutter for contouring and placing the meshes.



Available in 11 and 16 mm mesh options for the anterior ridge and left and right mandible sections

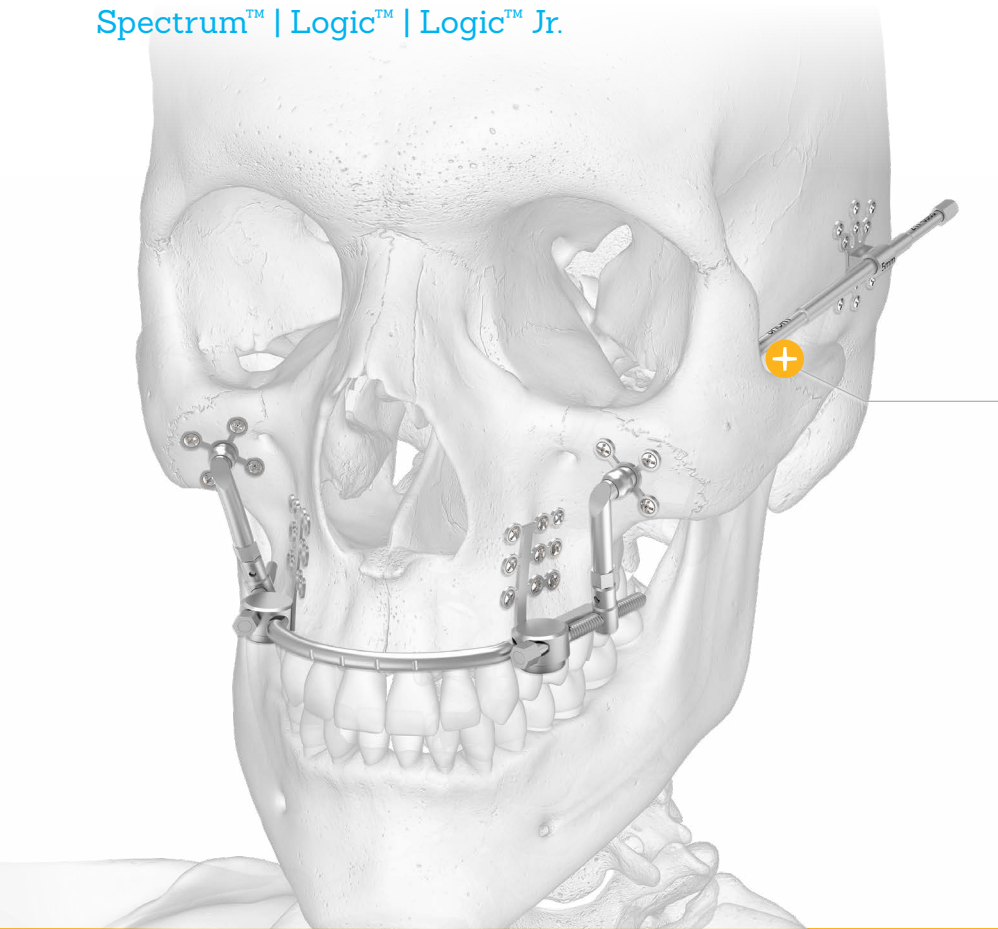


## Features

- ▶ Smooth, precurved design requires limited contouring
- ▶ Rigid titanium porous mesh
- ▶ Anterior mesh for reconstruction of the premaxilla/mandible
- ▶ Left and right Hemi meshes for full or partial ridge augmentation

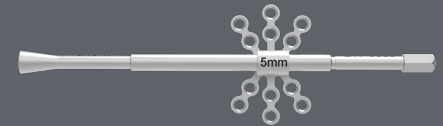
# Distraction Solutions

Spectrum™ | Logic™ | Logic™ Jr.



## Spectrum

The Spectrum maxillary distraction system includes a frame, bone plates, threaded rods, and an activation instrument. The plates attach to bone using bone screws and gradually distract the osteotomized segment via activation of the threaded rod with the activation instrument.

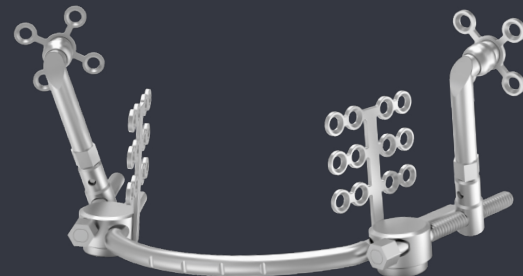


The Spectrum LeFort III extension rod does not require an external halo device or additional distraction wires. It can be used for either a LeFort III distraction or a combination of LeFort I, II, and III distractions.

## Spectrum

The Spectrum maxillary system combines horizontal bows, activation rods, anchors, and maxillary plate assemblies to create various distractors for LeFort I through III distractions.

- ▶ Featuring our patented Auto-Drive® screw tips, which minimize the need for predrilling.
- ▶ The system module contains driver handles, stems, plate benders, and cutters to conform the distractor to the patient's anatomy.



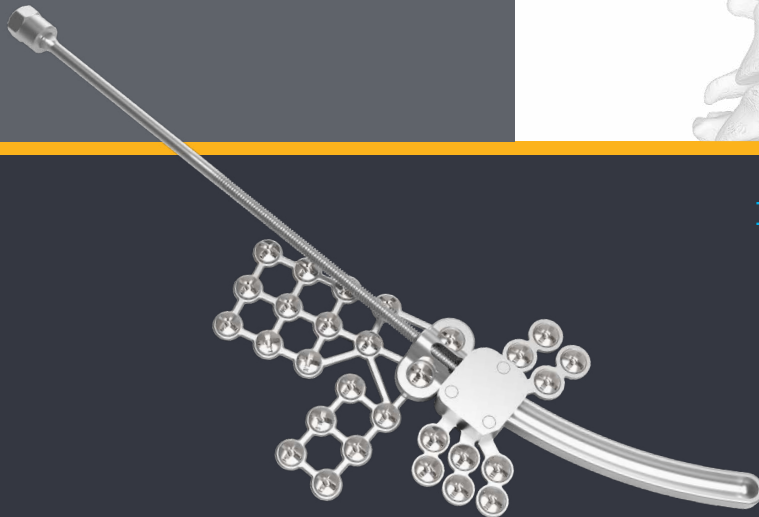
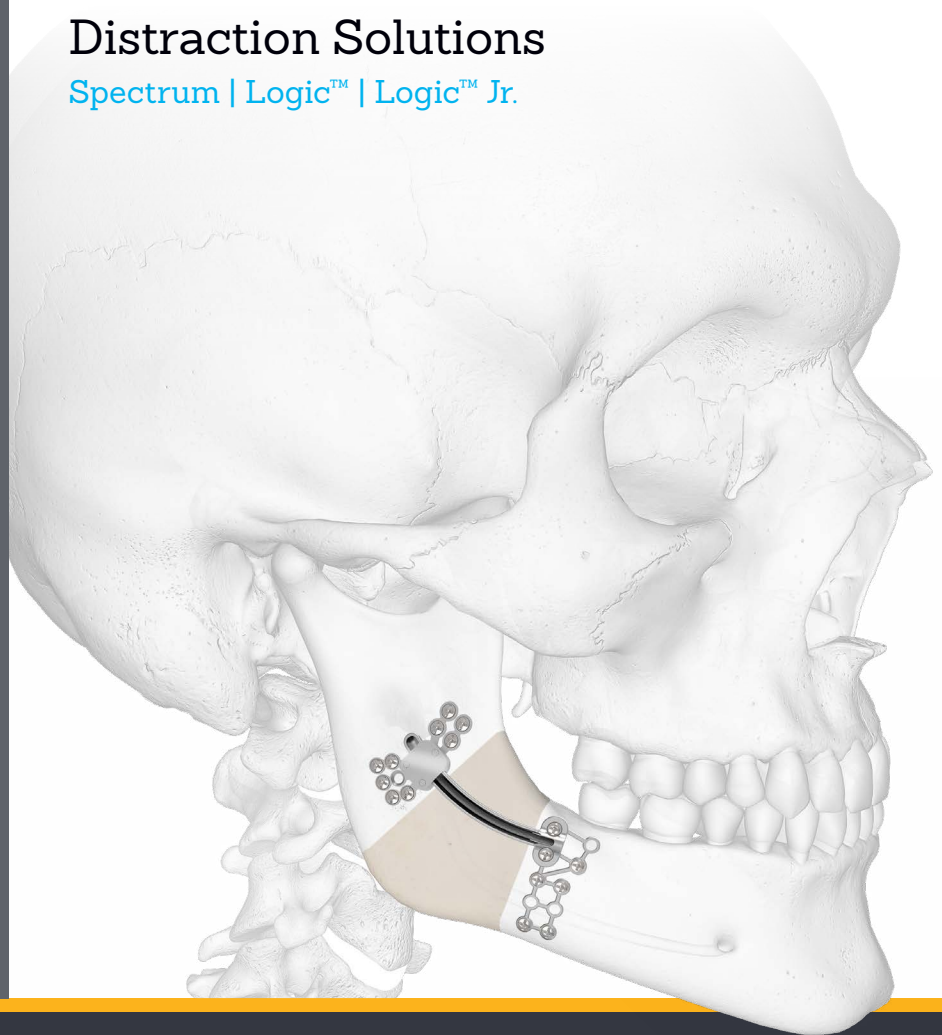
# Distraction Solutions

Spectrum | Logic™ | Logic™ Jr.

## Logic

An intraoral bone distractor, the Logic mandibular distraction system features curved and straight bars activated with a threaded wire with screw holes that are fixed to bone via 1.6 mm or 2.0 mm bone screws.

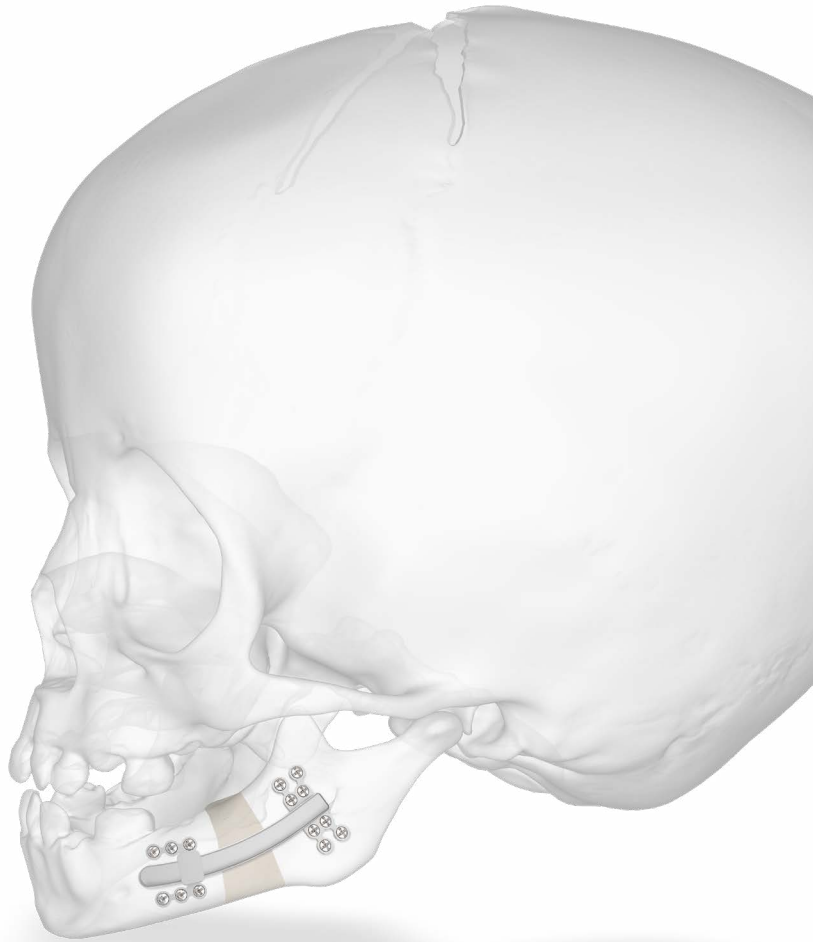
The distractor is available in right and left versions. The threaded wire is activated by a hex driver and is capable of distraction lengths of up to 25 mm.



## Features

- ▶ Low-profile intraoral device for use in cases where distraction osteogenesis is indicated
- ▶ Choice of three devices with fixed curvilinear trajectories that mimic the natural growth curve of the mandible
- ▶ Uses a patented flexible wire that provides access through soft tissue for ease of activation
- ▶ The activation wire can be cut during the consolidation period, reducing the risk of infection while promoting soft tissue healing





## Logic Jr.

An intraoral bone distractor, the Logic Jr. pediatric mandibular system features curved and straight bars activated with a threaded wire with screw holes that are fixed to bone via 1.2 mm bone screws.

The distractor is available in right and left versions. The threaded wire is activated by a hex driver and is capable of distraction lengths of up to 25 mm.

## Features

- ▶ Low-profile intraoral device for use in cases where distraction osteogenesis is indicated
- ▶ Uses a patented flexible wire that provides access through soft tissue for ease of activation
- ▶ Choice of two devices with fixed curvilinear trajectories that mimic the natural growth curve of the mandible



## DSP

The Digital Surgical Planning service (DSP) allows surgeons to perform entire surgical procedures through a digital 3D environment. This software is used to visualize occlusal planes, simulated osteotomies, bone movements, and more. Surgical splints aid with the correct jaw positioning during surgery. We use the latest technology in 3D printing to provide accurate splints quickly.



## Surgical Splints

Using the latest technology in 3D printing allows us to provide accurate splints quickly.

### Splint Options

- ▶ Intermediate splint
- ▶ Intermediate and final splint
- ▶ Intermediate, sandwich, and final splint.



### Patient-Specific Surgical Planning

Design for patient-specific surgical plans and devices originate with patient data such as a CT scan and stone models. With surgeon input, MedCAD clinical designers provide a customized solution for a specific patient using 3D representations of their data.



### Surgical Outcomes

Planning a surgery preoperatively assists the surgeon in considering variables and choosing a more direct path of action. Patient-specific services help standard surgical plans achieve calculated results. Preparation by virtual planning can increase surgeon and patient confidence, reduce time in the OR, and aid in patient education.



### Splint Customization

Uses combinations of intermediate, final, palatal, or sandwich splints for Le Fort I, II, and III procedures.



### Surgeon Input

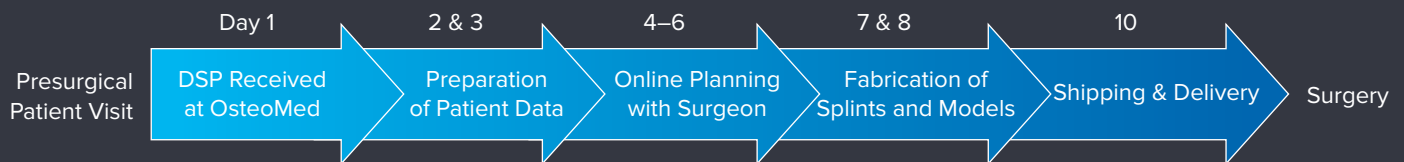
Surgeon profiles are built from surgeon input to streamline implant ordering and planning. Surgeon input is gathered through a brief web meeting or report review, then used to make regular planning meetings easy and quick for the surgeon.

## DSP Application

The app delivers a new tool for doctors to remotely educate, plan, review and share with both patients and colleagues. All cases are stored on our cloud server for easy and secure access.



## DSP Process





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