



MatrixWAVE™ MMF

# EXPAND YOUR POSSIBILITIES

**A novel system that expands and compresses  
to achieve maxillomandibular fixation**

# DESIGNED FOR ADAPTABILITY, VERSATILITY, AND PATIENT COMFORT

MatrixWAVE™ MMF combines strength and simplicity



## ADAPTABLE

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- Wave design and two plate heights help to avoid interference with definitive plating and incision location
- Post-application adjustability: the plate can be adjusted in-situ if additional manipulation of the bone segments is required



## VERSATILE

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- Wave design enables the surgeon to stretch or compress a plate to optimize screw hole location
- Flexible design and up to 15° screw insertion angulation aid in posterior fixation and occlusal control
- Accessible screw heads offer additional anchor points for approximation of bone segments

## PATIENT CARE AND COMFORT

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- Design eliminates interdental wiring, which may reduce the risk of wire sticks
- Screw and plate are designed to help protect soft tissue and enable the surgeon to avoid tooth root injury
- Plate design covers less tooth surface than arch bars to provide the opportunity for better oral hygiene
- Accessible screw head is designed to help minimize soft tissue overgrowth

# FAST APPLICATION FOR GREATER OPERATING ROOM EFFICIENCY

MatrixWAVE™ MMF system combines an adaptable plate with self-drilling locking screws to facilitate faster MMF than arch bars for greater OR efficiency

## TECHNIQUE OVERVIEW\*



1  
Select plate and adjust height by expanding the plate horizontally.

2  
Contour and cut the plate to fit the maxilla/mandible.

3  
Insert a screw through the plate. Do not engage screw-locking threads; this will provide stability to manipulate the plate.



4  
Expand or compress the plate to align location of remaining screws.

5  
Insert remaining screws, engage locking threads.

6  
Apply wire; screw heads serve as additional anchor points. After wiring fully tighten all screws to ensure they are locked into the plate.

\*The above steps are only an overview of the complete surgical technique required for the MatrixWAVE MMF System. Prior to performing any surgical procedure with the MatrixWAVE MMF System, please ensure to fully review the MatrixWAVE MMF package insert, which includes full Instructions for Use, Indications, Contraindications, Warnings, and Precautions.

# MATRIX PLATFORM FEATURES DESIGNED TO COMPLEMENT AO FIXATION PRINCIPLES

The aim of surgical fracture treatment is to reconstruct the bony anatomy and restore its function. Internal fixation is distinguished by anatomical reduction, stable fixation, preservation of blood supply, and early, active mobilization. Plate and screw osteosynthesis has been established and clinically recognized for some time.

The Matrix plating platform for internal fixation of the craniomaxillofacial skeleton addresses neuro, craniofacial, mandibular, and orthognathic surgery. Matrix is a simple, yet comprehensive, system that offers flexibility and ease of use.



## MATRIX PLATFORM

- All screws work with all plates within each Matrix system\*
- Matrix drive recess provides for screw/blade retention and torque transmission for reduced cam-out compared to previous *DePuy Synthes Companies* drive recesses\*\*
- Standardized instrumentation
- Reduced inventory for hospitals without compromising clinical solution

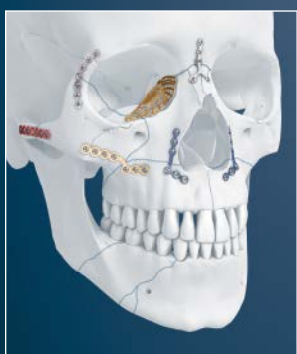
# PART OF THE MATRIX FAMILY OF PLATING SYSTEMS



MatrixWAVE™ MMF



MatrixMANDIBLE™  
Plating System



MatrixMIDFACE™  
Plating System



MatrixORTHOGNATHIC™  
Plating System

## Ordering Information

Item Number	Description	Item Number	Description
<b>SET</b>		<b>GRAPHIC CASES</b>	
01.503.825	MatrixWAVE MMF System Set	68.590.003	Nano Insert Tray/Single Wide, 1 High
<b>IMPLANTS</b>		68.590.004	Nano Insert Tray/Single Wide, 2 High
04.503.820	MatrixWAVE MMF Ti Plate, 10 holes, short	68.590.012	Nano Insert Tray ID Tag - Blank
04.503.821	MatrixWAVE MMF Ti Plate, 10 holes, tall	68.590.031.01	Nano Insert Tray Divider, Single Wide, 1 High
04.503.824.05	MatrixWAVE MMF Ti 1.85mm Screw, Self-Drilling, Locking, 6mm, 5/pkg	68.590.032.01	Nano Insert Tray Divider, Single Wide, 2 High
04.503.825.05	MatrixWAVE MMF Ti 1.85mm Screw, Self-Drilling, Locking, 8mm, 5/pkg	68.590.045	Nano IMF Screw and Instrument Insert Tray
291.230.98	0.5mm Precut Cerclage Wire, 175mm, 10/pkg	68.590.050	MatrixWAVE MMF System Instrument Module Base
291.240.98	0.6mm Precut Cerclage Wire, 175mm, 10/pkg	68.590.051	MatrixWAVE MMF System Implant Module Base
<b>INSTRUMENTS</b>		68.590.052	MatrixWAVE MMF System Module Lid
03.500.020	File with Hex Coupling	68.590.053	MatrixWAVE MMF System Instrument Module ID Tag
03.503.039	Plate Cutter for Midface Plates	68.590.054	MatrixWAVE MMF System Implant Module ID Tag
03.503.049	MatrixWAVE MMF Application Instrument	68.590.055	MatrixWAVE MMF System Insert Tray for 1.85mm Locking Screws
03.503.072	MatrixMANDIBLE/Thorax Screwdriver Blade, self-retaining, long	68.590.056	MatrixWAVE MMF Insert Tray ID Tag for 1.85mm Locking Screws
03.511.246	Matrix 1.4mm Drill Bit, J-latch, 6mm stop, 44.5mm	68.590.057	MatrixWAVE MMF System Insert Tray ID Tag for Plates
03.511.248	Matrix 1.4mm Drill Bit, J-latch, 8mm stop, 44.5mm	68.590.098	Nano Finger Mat/ Full Size
311.006	Screwdriver Handle with Hex Coupling - Medium	60.590.004	MatrixWAVE MMF System Label Sheet
311.023	Ratcheting Screwdriver Handle	304.106W	Screw length markers - 6mm
398.906	Wire Twister	304.108W	Screw length markers - 8mm
398.908	Wire Manipulator		

**Limited Warranty and Disclaimer:** DePuy Synthes CMF products are sold with a limited warranty to the original purchaser against defects in workmanship and materials. Any other express or implied warranties, including warranties of merchantability or fitness, are hereby disclaimed.

**WARNING:** In the USA, this product has labeling limitations. See package insert for complete information.

**CAUTION:** USA Law restricts these devices to sale by or on the order of a physician.

Not all products are currently available in all markets.

\*See MatrixMANDIBLE™ Technique Guide for recommendations and cautions related to screw selection.

\*\*Mechanical test data on file at Synthes. Mechanical test results are not necessarily indicative of clinical performance.

Manufactured by (United States):

**Synthes USA Products, LLC**

1302 Wrights Lane East  
West Chester, PA 19380  
Telephone: (610) 719-5000  
To order: (800) 523-0322



[www.depuyssynthes.com](http://www.depuyssynthes.com)

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