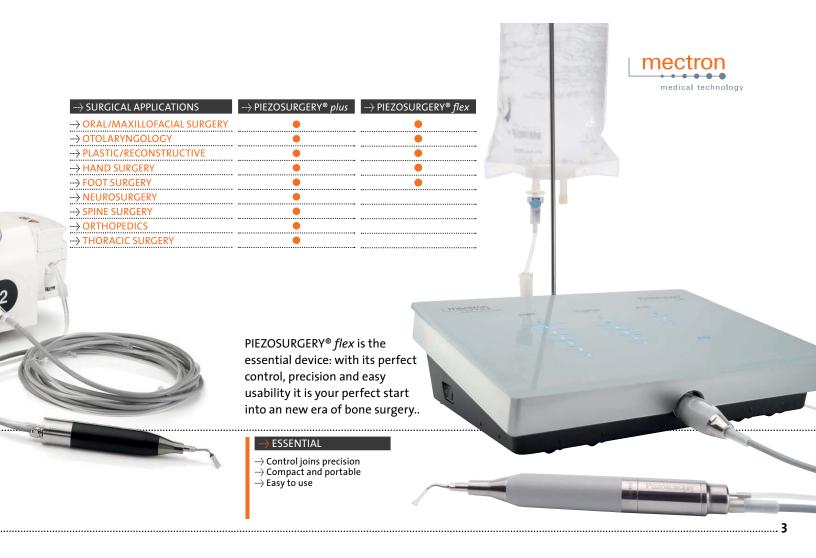


PIEZOSURGERY® MEDICAL SURGICAL INSERTS





During surgery, an ultrasonic insert oscillates up to 36.000 times per second.

That's why we use only medical grade stainless steel in the production of mectron inserts – and why every single ultrasonic insert has to pass 12 working steps before it is ready to bear our name.









→ THERMAL TREATMENTS

Confer raw surgical tips the necessary hardness, corrosion resistance and elastic response to vibration.

→ SHARPENING AND SURFACE COATING

A proprietary CNC 5-dimensions sharpening machine cuts with an accuracy of up to 0.1 µm. Depending on the surgical indication, specific surface treatments are made, which include diamond coating with diamonds of different granulometries.

→ MARKING

Each surgical insert is laser marked. The code is engraved on the shaft of the surgical tips for superior safety.

→ QUALITY CONTROL

Surgical inserts are individually checked throughout the manufacturing process. Checks range from dimensional control of the rough insert to visual inspection of final package.

Piezosurgery[®]

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SURGICAL INSERTS MAXIMUM VARIETY

Osteotomy, Osteoplasty, Drilling, Finishing – PIEZOSURGERY® *medical* inserts cover a vast variety of surgical needs. And whatever your choice is, there is one thing they all have in common: they offer the best performance you will find in the market.







→ BILATERAL SAGITTAL SPLIT OSTEOTOMY

Surgery performed by: Prof. P.F. Nocini, Prof. D. Bertossi and Dr. M. Albanese, Unit of MaxilloFacial Surgery, University Hospital,

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···· NEUROSURGERY

→ PEDIATRIC FRONTAL & SKULL RESHAPING	→ CRANIOTOMY	→ TRANSSINUSAL FRONTAL APPROACH	→ ENDOSCOPIC TRANSSPHENOIDAL SURGERY (anterior skull base surgery)	→ LATERAL SKULL BASE SURGERY
> RECOMMENDED	> RECOMMENDED	> RECOMMENDED	> RECOMMENDED	RECOMMENDED
MT1-10	MT4-10 +	MT4-10 +	MP6 L	MT4-10 +
OPTIONAL	OPTIONAL	> OPTIONAL	> OPTIONAL	OPTIONAL
MT4-10 +	MT1-20	MT1-10	MP5 L	MP4 +
MT1S-10		MT1S-10		MP5 L
				MP6 L













----- SPINE SURGERY

--- LAMINOTOMY

→ LAMINECTOMY

→ OPEN DOOR LAMINOPLASTY

→ RECOMMENDED → RECOMMENDED → RECOMMENDED

MT4-10 +

MT4-10 +

MT4-10 +

---> OPTIONAL

---> OPTIONAL____ MT1-20

---> OPTIONAL

MT1-20 MT1-10 MT1-10

MP4 +







···· ENT SURGERY

EAR → ENDOSCOPIC EAR SURGERY

→ CLOSE CAVITY TECHNIQUE*

OPEN CAVITY TECHNIQUE

-- DECOMPRESSION (facial nerve, endolymphatic sac)

-- DACRYOCYSTO-**RHINOSTOMY**

FRONTAL SINUS OPENING

----> RECOMMENDED ----> RECOMMENDED

----> RECOMMENDED

→ RECOMMENDED → RECOMMENDED → RECOMMENDED

MP4 +

MP4 +

MP3 - a30

MP4 +

MP5 L

TRANSNASAL ENDOSCOPIC

---> OPTIONAL MP2

---- OPTIONAL

MP3 - a30

---- OPTIONAL

MP3 - a30

MP4 +

---- OPTIONAL

----> OPTIONAL

MP3 - a30

----> OPTIONAL

MP6 L

*canalplasty, mastoidectomy, antrotomy, posterior tympanotomy.















ONCOLOGY

-- SPHENOIDOTOMY

--- DECOMPRESSION (orbit, optic nerve, internal carotid artery)

--> MANDIBULECTOMY

-- MANDIBULOTOMY

→ MAXILLECTOMY

---> RECOMMENDED

----> RECOMMENDED

----> RECOMMENDED

→ RECOMMENDED → RECOMMENDED

MP6 L

MT4-10 +

MT4-10 +

MT4-10 +

---> OPTIONAL

---> OPTIONAL

----> OPTIONAL

---> OPTIONAL

---> OPTIONAL

MT1-10

MT1-10

MT1-10











MAXILLOFACIAL SURGERY

ORTHOGNATIC

BILATERAL SAGITTAL SPLIT OSTEOTOMY

→ LE FORT I OSTEOTOMY → CHIN OSTEOTOMY

RHINOPLASTY PERCUTANEOUS APPROACH

-- CONDILECTOMY / **EMINECTOMY**

→ MANDIBULAR ANGLE OSTECTOMY

----> RECOMMENDED

----> RECOMMENDED

----> RECOMMENDED

----> RECOMMENDED

----> RECOMMENDED

MT4-10 +

MT4-10 +

MT4-10 +

----> OPTIONAL

MT1S-10

MT4-10 +

----> RECOMMENDED MT2R-4

MT2L-4

----> OPTIONAL UNIVR

---> OPTIONAL MT1-10 MT1-20

UNIVR MT2R-4

MT2L-4

MT1-20 MP2 ---> OPTIONAL

MT1-10

MT1-20











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ORBIT

→ MAXILLARY SINUS LIFT TECHNIQUE

→ OSTEOTOMY CLOSE TO DELICATE STRUCTURES (nerve, → EXTRACTION

--- LATERAL **ORBITOTOMY** → ORBITAL DECOMPRESSION

---> RECOMMENDED

----> RECOMMENDED

----> RECOMMENDED

→ RECOMMENDED → RECOMMENDED

MF1

MF6

MT3-8

MT4-10 +

MT1-10

----> OPTIONAL

---> OPTIONAL

---> OPTIONAL MT3-20

---> OPTIONAL MT1-10

MT2R-4

MT2L-4

---> OPTIONAL

MP6 L

MT2R-4

MP2











MT2L-4

-> INTERPHALAN-GEAL JOINT ARTHRODESIS

- INTERPHALAN-GEAL JOINT ARTHROPLASTIC

→ PHALANX CORRECTIVE OSTEOTOMY

MT1S-10

---> RECOMMENDED ---> RECOMMENDED

----> RECOMMENDED

MT1S-10

MF2

MT1S-10

---> OPTIONAL

---- OPTIONAL

---> OPTIONAL

MT1-10

MT1-10

MT1-10 MF4

MF5







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WRIST SURGERY

→ CMC JOINT ARTHRODESIS

--- FOUR CORNER ARTHRODESIS

→ EXOSTOSIS / OSTEOPHYTE EXCISION

RADIUS CORRECTIVE OSTEOTOMY → TOTAL WRIST ARTHRODESIS

→ RECOMMENDED → RECOMMENDED

---> RECOMMENDED

-----> RECOMMENDED

---> RECOMMENDED

MT1-20

MT1S-10

MT1-10

MT1S-10

MT1S-10

---> OPTIONAL

---> OPTIONAL

---> OPTIONAL MT1S-10

---> OPTIONAL MT1-10

MT4-10 +

---> OPTIONAL MT1-10



MT1-10







···· RECONSTRUCTIVE SURGERY

→ CALVARIAN BONE GRAFTING	INTRAORAL BONE GRAFTING	→ RADIUS BONE GRAFTING	→ ILIAC CREST BONE GRAFTING	→ FREE FIBULA FLAP BONE GRAFTING
RECOMMENDED	> RECOMMENDED	> RECOMMENDED	> RECOMMENDED	> RECOMMENDED
MT1-10	MT1S-10	MT1S-10	MT1-10	MT1S-10
	MT2R-4	MP1	MP1	
	MT2L-4			
	MP1			
	MF4			
OPTIONAL	> OPTIONAL	> OPTIONAL	> OPTIONAL	> OPTIONAL
MT1S-10	MT1-10	MT1-10	MT1S-10	MT1-10
MP2	MP2		MT4-10 +	MT4-10 +
MF1				MP2



---- DRILLING SURGICAL INSERTS

→ SCREW, Ø 1.0 mm	→ SCREW, Ø 1.3 mm	→ SCREW, Ø 1.5 mm	→ SCREW, Ø 2.0 mm	→ SCREW, Ø 2.3 mm	→ SCREW, Ø 2.7 mm
> RECOMMENDED					
MD2-08	MD2-08	MD2-10	MD3-14 (Maxilla)	MD3-16	MD3-18
			MD3-16 (Mandible)		

---> OPTIONAL

MD3-12

----> OPTIONAL

MD3-18





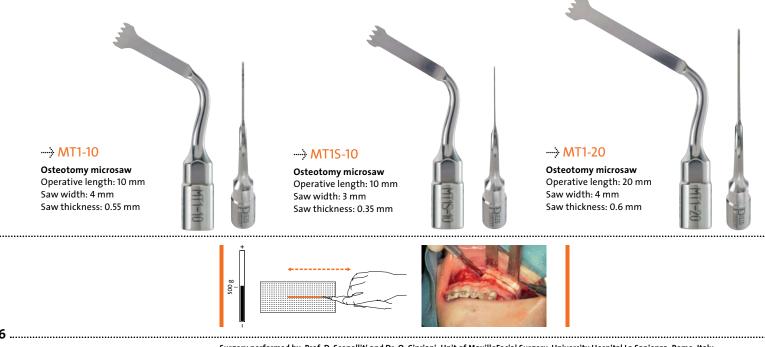








OSTEOTOMY SURGICAL INSERTS



Surgery performed by: Prof. D. Scopelliti and Dr. O. Cipriani, Unit of MaxilloFacial Surgery, University Hospital La Sapienza, Rome, Italy





Surgery performed by: Dr. S. Stea and Dr. P. Biondi, Unit of MaxilloFacial Surgery, Maria Cecilia Hospital, Cotignola, Ravenna, Italy

Surgery performed by: Dr. P. Nordera, Unit of MaxilloFacial Surgery, San Bortolo Hospital, Vicenza, Italy

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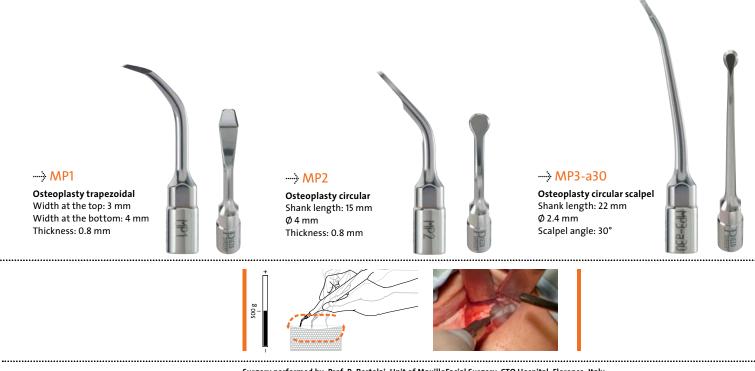
OSTEOTOMY SURGICAL INSERTS



Surgery performed by: Prof. M.I. Rossello, Dr. E. Machi, Dr. E. Pamelin and Dr. A. Zoccolan, Unit of Hand Surgery, San Paolo Hospital, Savona, Italy



OSTEOPLASTY SURGICAL INSERTS



Surgery performed by: Prof. R. Bertolai, Unit of MaxilloFacial Surgery, CTO Hospital, Florence, Italy











---- DRILLING SURGICAL INSERTS

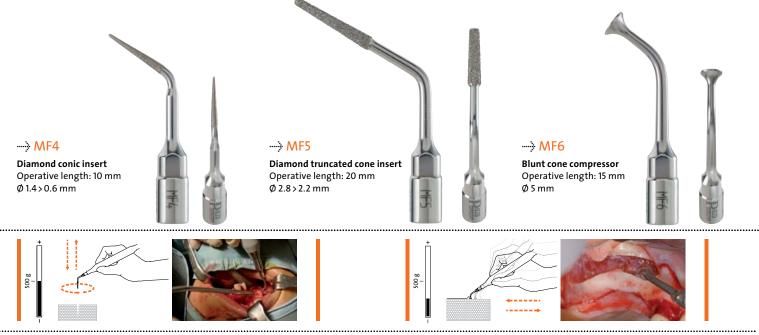


Surgery performed by: Dr. L. Calabrese, Unit of Oral – Oropharyngeal Surgery, IEO Hospital, Milan, Italy



Surgery performed by: Prof. M.I. Rossello, Dr. E. Machi, Dr. E. Pamelin and Dr. A. Zoccolan, Unit of Hand Surgery, San Paolo Hospital, Savona, Italy





Surgery performed by: Prof. R. Bertolai and Dr. C. Catelani, Unit of MaxilloFacial Surgery, CTO Hospital, Florence, Italy

Surgery performed by: Prof. T. Vercellotti, Genoa, Italy

----> PICTURE REFERENCES



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Dr. F. Mussa, Meyer Hospital, Firenze, Italy



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---- PRODUCTS

PIEZOSURGERY® MEDICAL HANDPIECE	03120127	•	•
PIEZOSURGERY® MEDICAL + HANDPIECE	03120219	•	
PIEZOSURGERY® MEDICAL TORQUE WRENCH	02900080	•	•
PIEZOSURGERY® MEDICAL + TORQUE WRENCH	02900116	•	
PIEZOSURGERY® MEDICAL L TORQUE WRENCH*	02900115	•	
IRRIGATION KIT SINGLE USE (BOX OF 10 UNITS)	03230008	•	•
CART PIEZOSURGERY® MEDICAL	03540009	•	•
TRAY FOR PIEZOSURGERY® ACCESSORIES	04610005	•	•
COVER FOR THE TRAY	02080015	•	•
CONTAINER FOR STERILIZATION	02080016	•	•
COVER FOR THE CONTAINER FOR STERILIZATION	02080017	•	•
PAPER FILTER OUTER LENGTH (BOX OF 100 UNITS)	00420008	•	•
ADAPTOR FOR PIEZOSURGERY® MEDICAL HANDPIECES	04610008	•	•
FILTER FOR ADAPTOR	04590006	•	•
POWER-SUPPLY CABLE	00050020	•	•
PIEZOSURGERY® MEDICAL FOOTSWITCH	04620004	•	
PIEZOSURGERY® FLEX FOOTSWITCH	04620003	•	•
PERISTALTIC PUMP	03210006	•	
DRIP STANDS FOR SALINE BAG	01380002	•	•
CONNECTOR PROTECTION PIEZOSURGERY® MEDICAL	03150086	•	•

Piezosurgery[®]

* torque wrench to tighten the inserts: MT5-10 L (03600009), MP5 L (03610008), MP6 L (03610009)



→ SURGICAL INSERTS		PIEZOSURGERY® MEDICAL HANDPIECE 03120127	PIEZOSURGERY® MEDICAL+ HANDPIECE 03120129	PIEZOSURGERY® MEDICAL HANDPIECE 03120127		
OSTEOTOMY	MT1-10	03600001	•		•	
***************************************	MT1S-10	03600007	•		•	
	MT1-20	03600002	•		•	
	MT2R-4	03600003	•		•	
	MT2L-4	03600004	•		•	
	MT3-8	03600005	•		•	
	MT3-20	03600006	•		•	
	UNIVR	03600008	•		•	
	MT4-10 +	03600010		•		
	MT5-10 L	03600009		•		
STEOPLASTY	MP1	03610001	•		•	
	MP2	03610002	•		•	
	MP3-a30	03610003	•		•	
	MP4 +	03610007		•		
	MP5 L	03610008		•		
	MP6 L	03610009		•		
RILLING	MD2-08	03620010	•		•	
	MD2-10	03620004	•		•	
	MD3-12	03620005	•		•	
	MD3-14	03620006	•		•	
	MD3-16	03620007	•		•	
	MD3-18	03620008	•		•	
INISHING	MF1	03630001	•		•	
	MF2	03630002	•		•	
	MF3	03630003	•		•	
	MF4	03630004	•		•	
	MF5	03630005	•		•	
	MF6	03630006	•		•	

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