

mectron

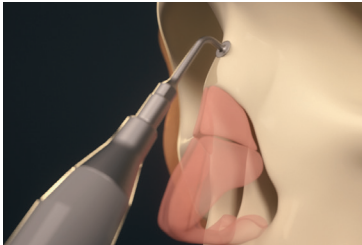
PIEZOSURGERY®  
IN OPEN RHINOPLASTY

THE EXACT CHOICE FOR THE RIGHT PROCEDURES



# → RHINOSEPTOPLASTY WITH PIEZOSURGERY® INSERTS

## → OSTEOPLASTY *Hump Reduction*

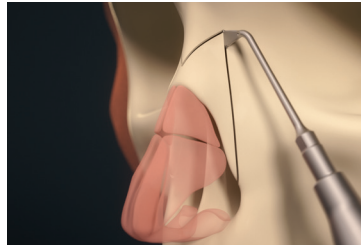


- Progressive correction of bone irregularities;
- Controlled gentle rasping of the nasal dorsum.

Recommended insert:

- MP0745
- MP1

## → OSTEOTOMY *A: medial oblique + low to low*



- Atraumatic & precise: prevents nasal mucosa or periosteum lacerations, spares soft tissue and cartilage;
- Controlled action;
- Easy to handle;
- No radiating fracture lines.

Recommended insert:

- MT1S-10
- UNIVR

## → OSTEOTOMY *B: transverse*



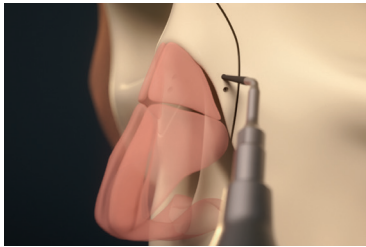
- Curvature for precise action in a limited space.

Recommended insert:

- MT1204
- MT2R-4 / MT2L-4

# - ALL YOU WILL NEED

## → DRILLING HOLES

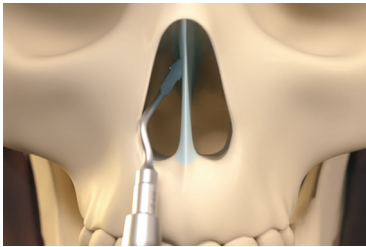


- The finest tip for small holes;
- Angled insert for insertion in limited space;
- Ideal for perforating nasal bones as well as ethmoid lamina splints.

Recommended insert:

- MF4

## → SEPTOPLASTY



- Long inserts will work in limited space with straight or angled tip for any application;
- Makes septoplasty safe even for posterior bony deviations;
- Allows precise work on vomer and nasal spine;
- Allows precise fracturing/lateralization of turbinate bone.

Recommended insert:

- MT913
- UNIVR

## “ → CLINICAL EVIDENCE

*The technique is fast and easy and allows predictability in avoiding postoperative bleeding and preventing remedialization of the lateralized turbinates. Due to the technology required, its use is suggested especially when piezo is employed during other steps of rhinoseptoplasty.*

Robotti E., Khazaal A., Leone F.  
Piezo-Assisted Turbinoplasty:  
A Novel Rapid and Safe Technique  
Facial Plast Surg 2020 Jun;36(3):235-241.  
doi: 10.1055/s-0039-3401803.  
Epub 2019 Dec 31.



*In bone modelling procedures, such as hump removal, osteotomy and bony fixations, PEI (Piezoelectric instrumentation) was evaluated as being superior to conventional instruments. Intraoperative bleeding was reduced, which led to reduced facial swelling and/or bruising. Postoperative pain assessment showed no or only mild pain in two thirds of the patients.*

Berghaus A., San Nicoló M.,  
Advantages of piezoelectric  
technology in rhinoplasty  
2019 Nov; 67(11):836-842. doi:  
10.1007/s00106-019-0675-x.



# → OSTEOTOMY SURGICAL INSERTS



## → MT1S-10

**Osteotomy microsaw**  
Operative length: 10 mm  
Saw width: 3 mm  
Saw thickness: 0.35 mm

## → MT9-13

**Osteotomy microsaw**  
Shank length: 45 mm  
Operative length: 13 mm  
Saw width: 3.3 > 4.4 mm  
Saw thickness: 0.35 mm

## → UNIVR

**Round shape osteotomy microsaw**  
Shank length: 42 mm  
Operative length: 5 mm  
Saw width: 4.5 mm  
Saw thickness: 0.5 mm

## → MT2L-4

**Left angled microsaw**  
Operative length: 4 mm  
Saw width: 4 mm  
Saw thickness: 0.6 mm

## → MT2R-4

**Right angled microsaw**  
Operative length: 4 mm  
Saw width: 4 mm  
Saw thickness: 0.6 mm

## → MT1204

**Angled microsaw**  
Operative length: 3.5 mm  
Saw width: 4.15 mm  
Saw thickness: 0.55 mm

## → OSTEOPLASTY SURGICAL INSERTS



### → MP1

#### Osteoplasty trapezoidal

Shank length: 28 mm  
Width at the top: 3 mm  
Width at the bottom: 4 mm  
Thickness: 0.8 mm



### → MP0745

#### Sharped semisphere

Operative width:  $\varnothing$  4.5  
Operative length: 1.1 mm

## → FINISHING SURGICAL INSERTS



### → MF4

#### Diamond conic insert

Operative length: 10 mm  
 $\varnothing$  1.4 > 0.6 mm

# PIEZOSURGERY® FLEX → THE PERFECT DEVICE

- Slim and compact handpiece.
- Customized inserts designed specifically for rhinoplasty procedures.
- Maximum safety for surgeons and patients.  
Reduced risk of damaging soft tissues such as nerves and vessels.
- Maximum surgical precision and intra-operative tactile sensation.  
Minimal bone loss through the cutting width.
- Maximum intra-operative visibility.  
Blood-free surgical site.
- Reduced post-operative facial swelling.

## → ESSENTIAL

- Enhanced precision and control
- Compact and portable
- Easy to use



USE THE ORIGINAL!  
KEEP IT SIMPLE!

# EXCELLENCE IN OPEN RHINOPLASTY → IN COLLABORATION WITH DR ENRICO ROBOTTI



The PIEZOSURGERY® rhinoplasty protocol and the custom-ized inserts, were designed and manufactured by Mectron from the clinician's need to have a few essential but effective tools for the various surgical steps of the open rhinoplasty procedure.

FACIAL BONE  
EXCELLENCE



→ DR ENRICO ROBOTTI, PLASTIC SURGEON IN BERGAMO (ITALY)

*I started using the Piezosurgery device in 2014. [...] In ostectomy the cutting line is controlled, being controlled the cutting line is precise and being precise it avoids what usually happens with percussion devices which create irregular osteotomy. [...] Where is this device irreplaceable in Rhinoplasty? Osteotomy, septal surgery and turbinates. Mectron here has significant advantages. First and foremost this is a powerful tool, besides being a slim and tapered handpiece. A thick handpiece is less usable than a thin and elegant handpiece. Another advantage are the inserts which have to be the right ones to do the right things.*



Scan or Click  
the QR code to  
watch the full  
interview!

mectron s.p.a.,  
via Loreto 15/A, 16042 Carasco (GE), Italy,  
tel +39 0185 35361, fax +39 0185 351374

 [www.mectron.com](http://www.mectron.com) – [piezosurgery@mectron.com](mailto:piezosurgery@mectron.com)

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with our team!