

mectron

➔ MECTRON
PIEZOSURGERY® AND
PIEZODRILL® INSERTS



→ PIEZOSURGERY® AND PIEZODRILL®



→ THE ORIGINAL
PIEZOELECTRIC
BONE SURGERY –
EVIDENCE-BASED!

4 PIEZOSURGERY® and PIEZODRILL® Technique

6 Insert quality

8 Indications

10 PIEZODRILL® Set A

11 PIEZODRILL® Set B

12 Inserts PD0620A - PD0620B

13 Inserts PD0118A - PD0118B

14 Inserts PD0223A - PD0223B

15 Inserts PD0328A - PD0328B

16 Inserts PD0432A - PD0432B

17 Inserts PD0535A - PD0535B

18 PIEZOSURGERY® Set

19 Basic Set

20 Osteotomy Set

21 Sinus Lift Lateral Set

22 Piezo Lift Set

23 Manual Piezo Lift Set

24 Sinus Lift Set

25 Implant Prep Pro Set

26 Extraction Set

27 Advanced Extraction Set

28 Third Molar Extraction Set

29 Explantation Set

30 Resective Perio Set

31 Retro Surgical Set

32 Insert box and Insert tray

34 Insert IM1S

35 PINS IM1, IM1S, 2-2.4, 2-3

36 Insert IM1 AL

37 PINS IM1 AL, 2-2.4 AL, 2-3 AL

38 Inserts IM2A - IM2A-15

39 Inserts IM2P - IM2P-15

40 Insert IM2.8A

41 Insert IM2.8P

42 Insert IM3A - IM3A-15

43 Insert IM3P - IM3P-15

44 Insert IM3.4A

45 Insert IM3.4P

46 Insert IM4A

47 Insert IM4P

48 Insert P2-3

49 Insert P3-4

50 Inserts OT1 - OT1A

51 Insert OT2

52 Insert OT4

53 Inserts OT5 - OT5A - OT5B

54 Insert OT6

55 Inserts OT7 - OT7A

56 Insert OT7S-4

57 Insert OT7S-3

58 Insert OT7-20

59 Inserts OT8R - OT8L

60 Insert OT9

61 Insert OT11

62 Insert OT12

63 Insert OT12S

64 Insert OT13

65 Insert OT14

66 Insert SLO-H

67 Insert PL1

68 Insert PL2

69 Insert PL3

70 Insert PL0419

71 Insert PL0527

72 Insert PL0631

73 Insert PL0719

74 Insert OP1

75 Insert OP2

76 Inserts OP3 - OP3A

77 Insert SLC

78 Insert OP4

79 Inserts OP5 - OP5A

80 Insert OP6

81 Insert OP7

82 Insert OP8

83 Insert OP9

84 Insert OP1125

85 Insert OP1225

86 Insert EL1

87 Insert EL2

88 Insert EL3

89 Insert SLS

90 Insert SLE1

91 Insert SLE2

92 Insert PR1

93 Insert PR2

94 Insert EN1

95 Insert EN2

96 Insert EN3

97 Insert EN4

98 Insert ENSR

99 Insert ENSL

100 Insert EN6R

101 Insert EN6L

102 Insert EX1

103 Inserts EX2 - EX3

104 Insert EX0410

105 Inserts EX0510 - EX0610

106 Piezoelectric levers

107 Insert EXL1

108 Insert EXL2

109 Insert EXL3

110 Inserts EXP3-R - EXP3-L

111 Inserts EXP4-R - EXP4-L

112 Insert PS1

113 Insert PS2

114 Insert PS6

115 Insert PP1

116 Insert PP10

117 Inserts PP11-PP12

118 Tipholder ICP, tip IC1

119 Crown prep tips

120 Enzymec

122 Science

123 Mectron education

124 Spare Parts

126 Reference Numbers

128 Appropriate settings for the inserts

131 Implant site preparation sequence

132 Social media

134 Mectron range

→ PIEZOSURGERY® AND PIEZODRILL® TECHNIQUE

→ MECTRON HAS
DEFINED A NEW
DIMENSION IN
BONE SURGERY



- It's simple, stress-free and selective
- It increases the quality and success for you and your patients



MT-BONE is not only introducing the new PIEZODRILL® technology but also ushering in a new era of PIEZOSURGERY® with enhanced power, improved insert control, and an innovative unit setting.

- MICROMETRIC CUTS: optimal surgical precision and intra-operative sensitivity
- SELECTIVE CUTS: minimal damage to soft tissue, offering safety for you and your patients
- CAVITATION EFFECT: optimal intra-operative visibility and a blood-free surgical site
- HISTOLOGICAL ADVANTAGE: more favorable bone healing in osseointegration process



→ INSERT QUALITY



→ PRECISION

A CNC controlled 5-dimensional sharpening machine cuts with an accuracy of up to 0.01 mm.
The whole cutting process for a single insert last up to 12 min.

→ MATERIAL

mectron ultrasound inserts are built with medical grade, high quality, stainless steel.



→ HIGH END INSERTS FOR PROFESSIONALS

Each mectron ultrasound insert will pass through 12 working steps



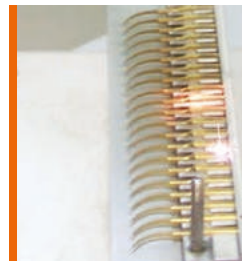
→ DIAMOND COATING

Depending on the indication, the inserts are coated with specially selected diamonds. The granulometry of the diamond coating is adapted to the respective treatment.



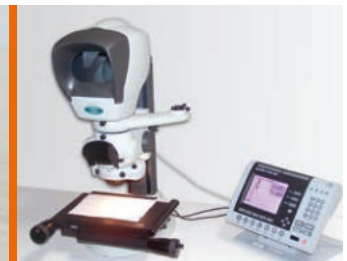
→ TITANIUM NITRIDE COATING

A coating of titanium nitride, applied to inserts which treat bone, increases the hardness of the surface, avoids corrosion and therefore increases working life.



→ LABELING

Each insert is gently labeled by a laser.

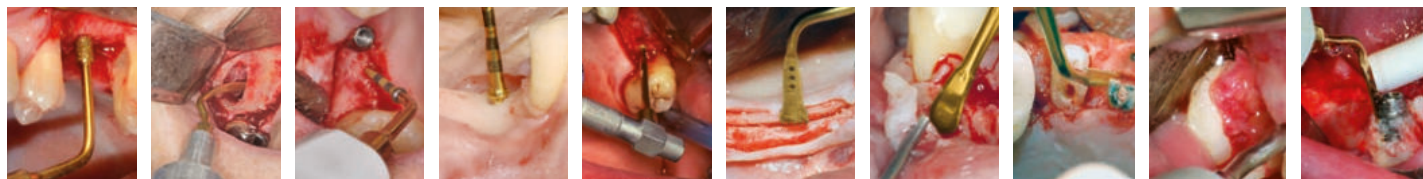


→ QUALITY CHECK

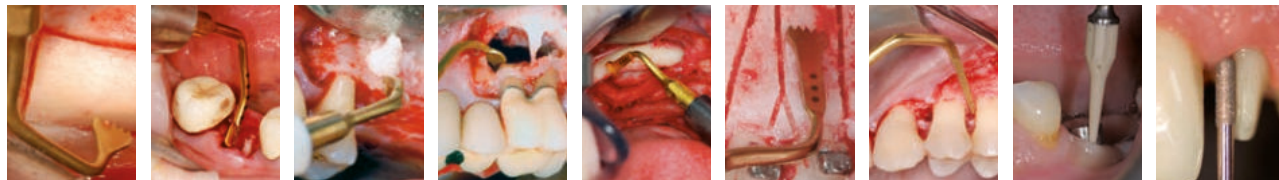
Each insert is checked in detail before getting an OK for the sales.

→ INDICATIONS

SINUS LIFT TECHNIQUE CRESTAL APPROACH	SINUS LIFT TECHNIQUE LATERAL APPROACH	IMPLANT SITE PREPARATION - PIEZOSURGERY®		IMPLANT SITE PREPARATION - PIEZODRILL®	RIDGE EXPANSION	PERIOSTEUM PREPARATION	EXTRACTIONS	THIRD MOLAR EXTRACTION	EXPLANTATION
→ PIEZO-LIFT	→ STANDARD	→ STANDARD	→ OPTIONAL	→ STANDARD	→ STANDARD	→ STANDARD	→ STANDARD	→ STANDARD	→ STANDARD
PL1	OP3	IM1S	IM1 AL	PD0620A	OT7	PR1	EX1	EXL1	EXP3-R
PL2	OT5	IM2A	IM2A-15	PD0223A	OT7S-4	PR2	EX2	EXL2	EXP3-L
PL3	SLC	IM3A	IM2.8A	PD0328A	OT7S-3		EX3	EXL3	EXP4-R
PL0419	SLO-H	IM4A	IM3A-15	PD0432A	OT12		PS2	→ OPTIONAL	EXP4-L
PL0527	SLS	IM2P	IM3.4A	PD0535A	→ OPTIONAL		EX0410	EX1	
PL0631	SLE1	IM3P	IM2P-15	PD0620B	OP5		EX0510	SLO-H	
PL0719	SLE2	IM4P	IM2.8P	PD0223B	OT2		EX0610		
	EL1	OT4	IM3P-15	PD0328B	OT4				
	→ OPTIONAL	P2-3	IM3.4P	PD0432B	OT7A				
	OT1	P3-4	PIN IM1	PD0535B	OT12S				
	OT1A		PIN IM5	→ OPTIONAL	OT7-20				
	OT5A		PIN 2-2.4	PD0118A					
	OT5B			PD0118B					
	EL2								
	EL3								



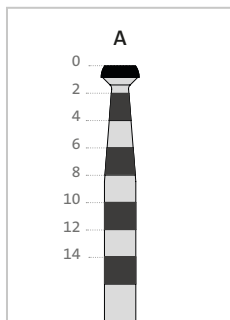
BONE BLOCK GRAFTING	ALVEOLAR DEBRIDEMENT	BONE CHIP GRAFTING/ BONE MODELING	ENDODONTICS	OSTEOTOMY CLOSE TO NERVES	CORTICOTOMY TECHNIQUE	PERIODONTAL SURGERY		CROWN PREPARATION
→ STANDARD	→ STANDARD	→ STANDARD	→ STANDARD	→ STANDARD	→ STANDARD	→ STANDARD	→ OPTIONAL	→ STANDARD
OT7	OP1125	OP3	OP7	OT1	OT7S-4	OP5A	PS1	DB2
OP5	OP1225	SLC	PS2	OT5	OT7S-3	OP8	PS6	CROWN PREP TIPS
OT8L		→ OPTIONAL	EN1		→ OPTIONAL	OP9	PP10	TA12D90* Ø 1.2 mm
OT8R		OP1	EN2		OT7	OT13	PP11	TA12D60*
OT12		OP2	EN3		OT7A	OT14	PP12	TA14D120* Ø 1.4 mm
→ OPTIONAL		OP3A	EN4			OP5	OP2	TA14D90*
OT6			→ OPTIONAL			OP3	OP3A	TA14D60*
OT7A			EN5R			PS2	OP4	TA16D120* Ø 1.6 mm
OT7S-4			EN5L			PP1	OP6	TA16D90*
OT7S-3			EN6R			ICP + IC1		TA16D60*
OT12S			EN6L					TF12D90* Ø 1.2 mm
OT7-20			OP3					TF12D60*
								TF16D90* Ø 1.6 mm
								TF16D60*



PIEZODRILL® SET A

Set of 5 sequential inserts for implant site preparation up to Ø 3.5 mm

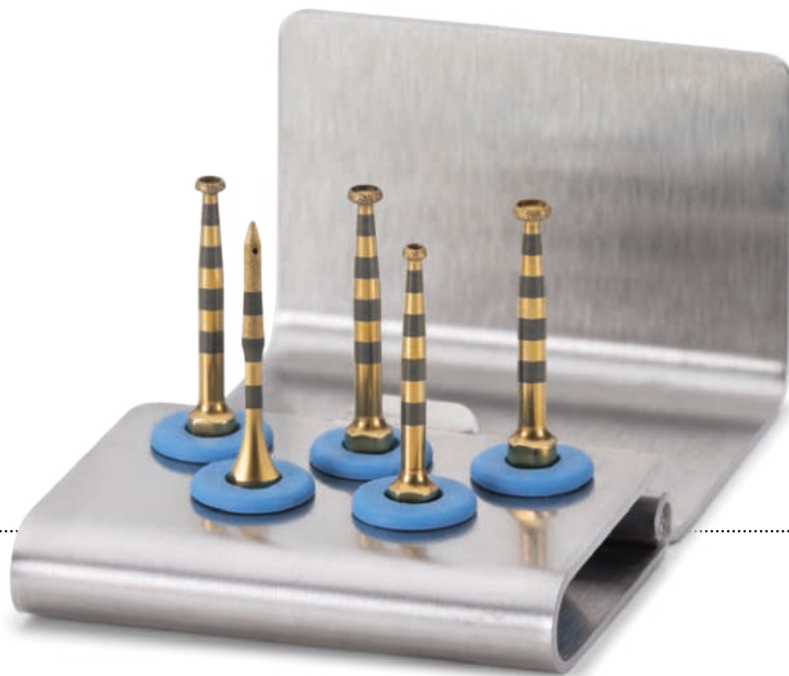
even depth marks
from 2 mm.



→ EQUIPPED WITH:

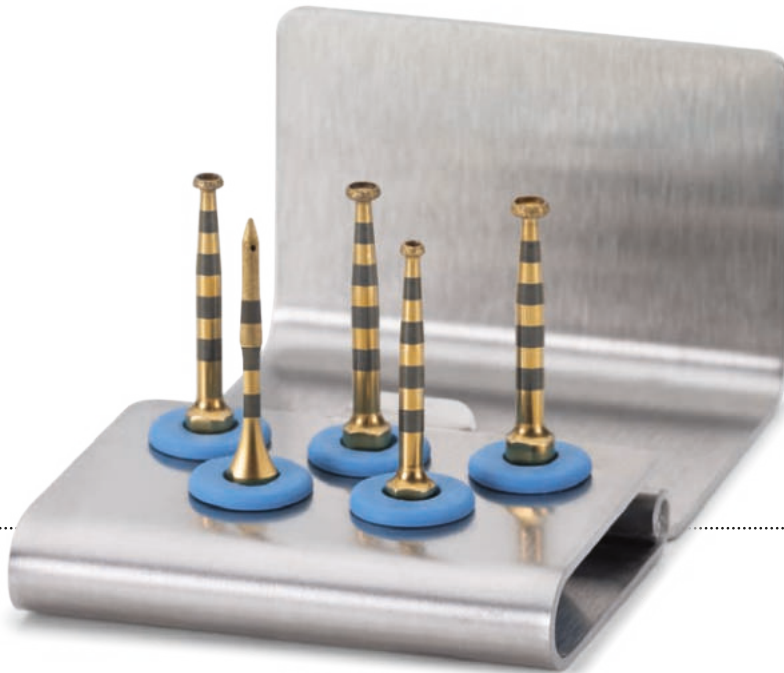
- 1 insert PD0620A
- 1 insert PD0223A
- 1 insert PD0328A
- 1 insert PD0432A
- 1 insert PD0535A
- 1 insert tray

→ PD0620A → PD0223A → PD0328A → PD0432A → PD0535A



PIEZODRILL® SET B

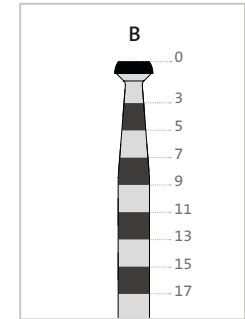
Set of 5 sequential inserts for implant site preparation up to $\varnothing$ 3.5 mm



→ EQUIPPED WITH:

- 1 insert PD0620B
- 1 insert PD0223B
- 1 insert PD0328B
- 1 insert PD0432B
- 1 insert PD0535B
- 1 insert tray

odd depth marks
from 3 mm.



→ PD0620B → PD0223B → PD0328B → PD0432B → PD0535B



→ PD0620A – PD0620B

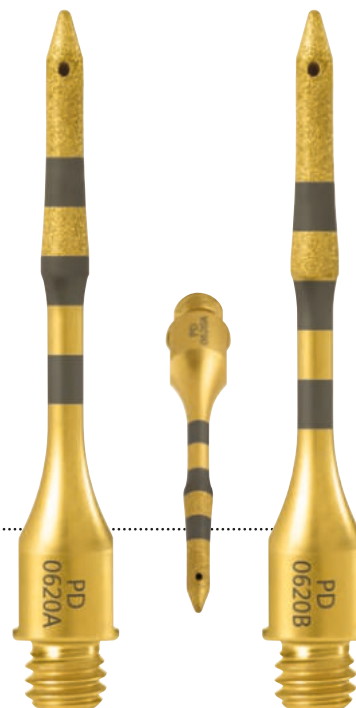
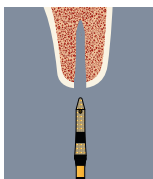
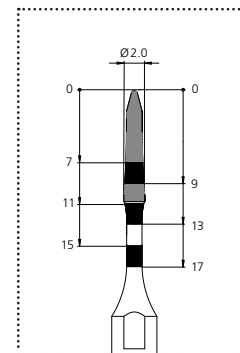
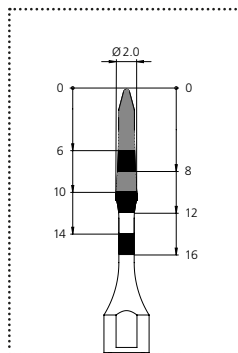
2.0 mm initial implant site preparation inserts

→ CUTTING ACTION

bone perforation

→ CLINICAL APPLICATION

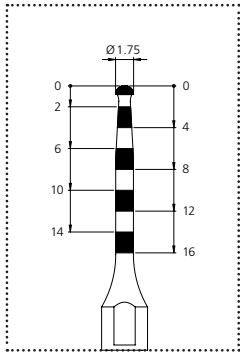
initial pilot osteotomy



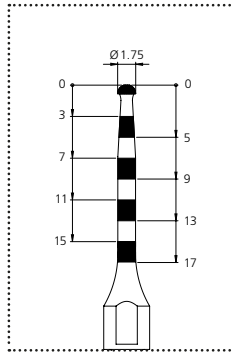
diamond grain size 30 μ m

1.8 mm initial implant site preparation inserts

PD0118A – PD0118B

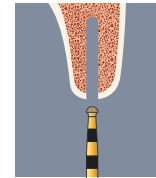


diamond grain size 90 μm



→ CUTTING ACTION
bone perforation

→ CLINICAL APPLICATION
initial pilot osteotomy



PD0223A – PD0223B

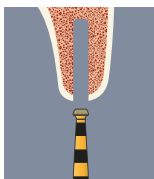
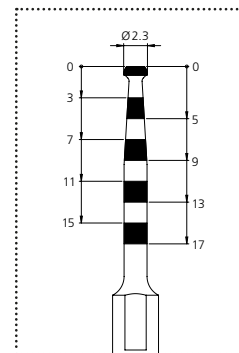
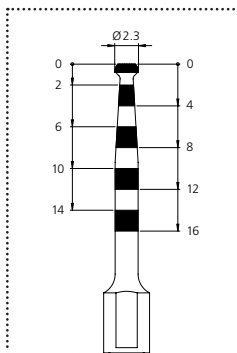
2.3 mm Ø implant site preparation inserts

→ CUTTING ACTION

bone perforation

→ CLINICAL APPLICATION

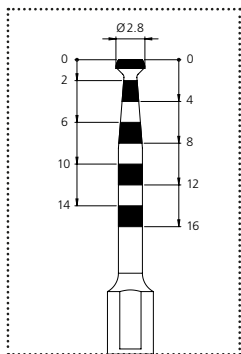
to enlarge or to finalize the implant site preparation



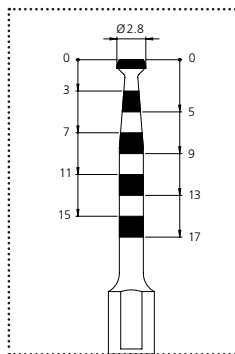
diamond grain size 90 µm

2.8 mm implant site preparation inserts

PD0328A – PD0328B

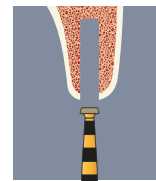


diamond grain size 90 μm



→ CUTTING ACTION
bone perforation

→ CLINICAL APPLICATION
to enlarge or to finalize the implant
site preparation



→ PD0432A – PD0432B

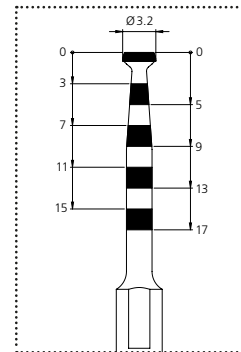
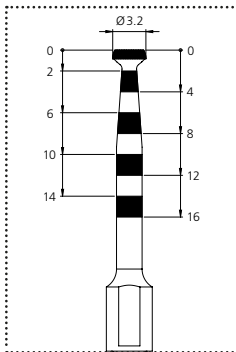
3.2 mm Ø implant site preparation inserts

→ CUTTING ACTION

bone perforation

→ CLINICAL APPLICATION

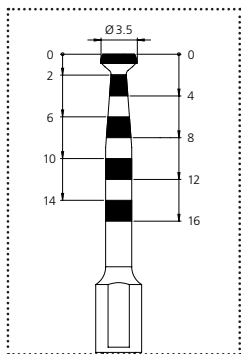
to enlarge or to finalize the implant site preparation



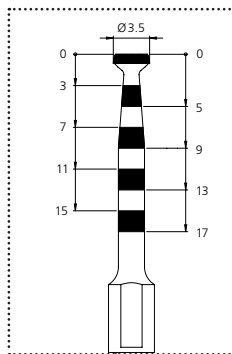
diamond grain size 90 µm

3.5 mm Ø implant site preparation inserts

→ PD0535A – PD0535B



diamond grain size 90 µm



→ CUTTING ACTION
bone perforation

→ CLINICAL APPLICATION
to enlarge or to finalize the implant
site preparation



→ PIEZOSURGERY® SETS

→ PIEZOSURGERY® INSERT SETS

Mectron offers a range of PIEZOSURGERY® insert sets specifically designed to meet the unique needs of various clinical applications.

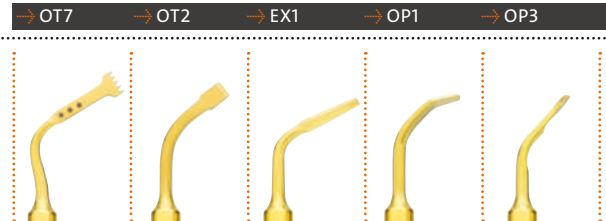


→ BASIC SET



→ EQUIPPED WITH:

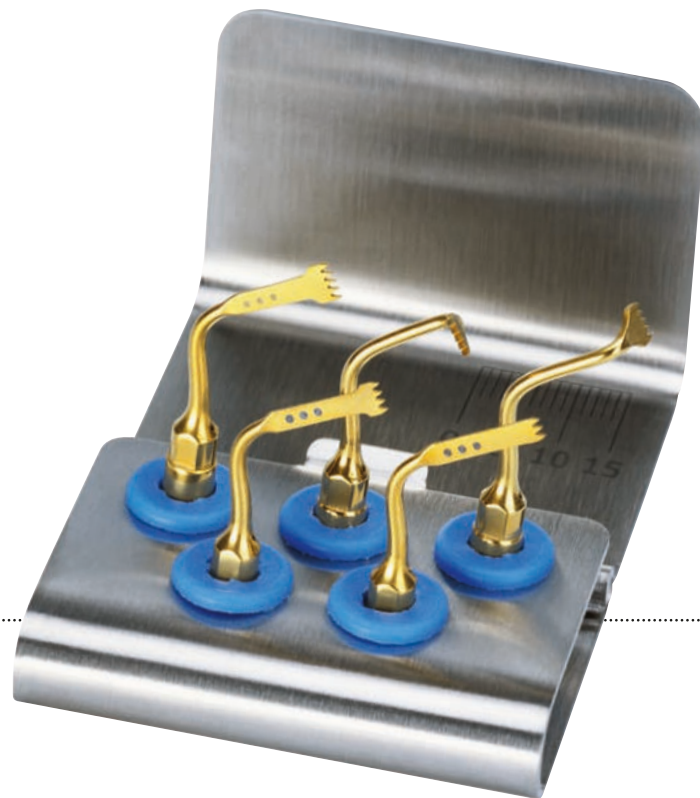
- 1 insert OT7
- 1 insert OT2
- 1 insert EX1
- 1 insert OP1
- 1 insert OP3
- 1 insert tray



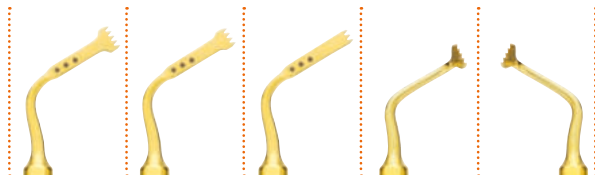
→ OSTEOTOMY SET

→ EQUIPPED WITH:

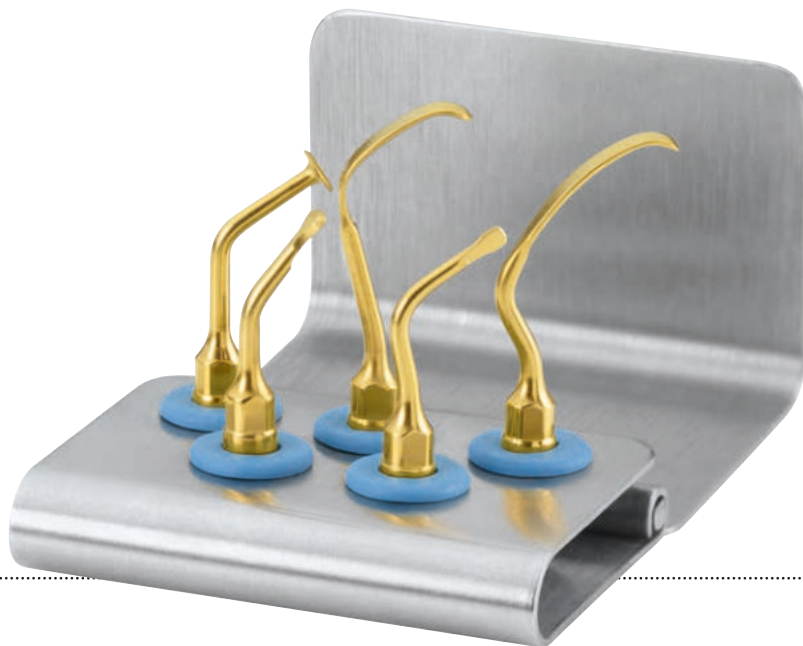
- 1 insert OT7
- 1 insert OT7S-4
- 1 insert OT7S-3
- 1 insert OT8R
- 1 insert OT8L
- 1 insert tray



→ OT7 → OT7S-4 → OT7S-3 → OT8R → OT8L

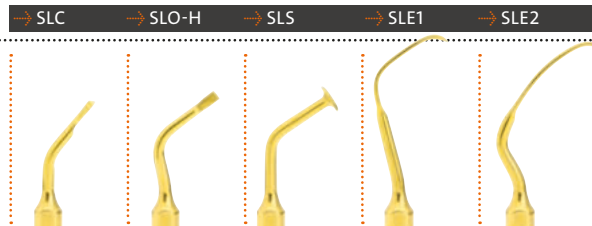


→ SINUS LIFT LATERAL SET*



→ EQUIPPED WITH:

- 1 insert SLC
- 1 insert SLO-H
- 1 insert SLS
- 1 insert SLE1
- 1 insert SLE2
- 1 insert tray



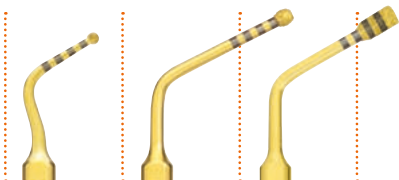
→ PIEZO LIFT SET*

→ EQUIPPED WITH:

- 1 insert PL1
- 1 insert PL2
- 1 insert PL3
- 1 insert tray



→ PL1 → PL2 → PL3



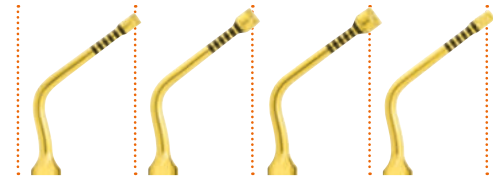
→ MANUAL PIEZO LIFT SET*



→ EQUIPPED WITH:

- 1 insert PL0419
- 1 insert PL0527
- 1 insert PL0631
- 1 insert PL0719
- 1 insert tray

→ PL0419 → PL0527 → PL0631 → PL0719

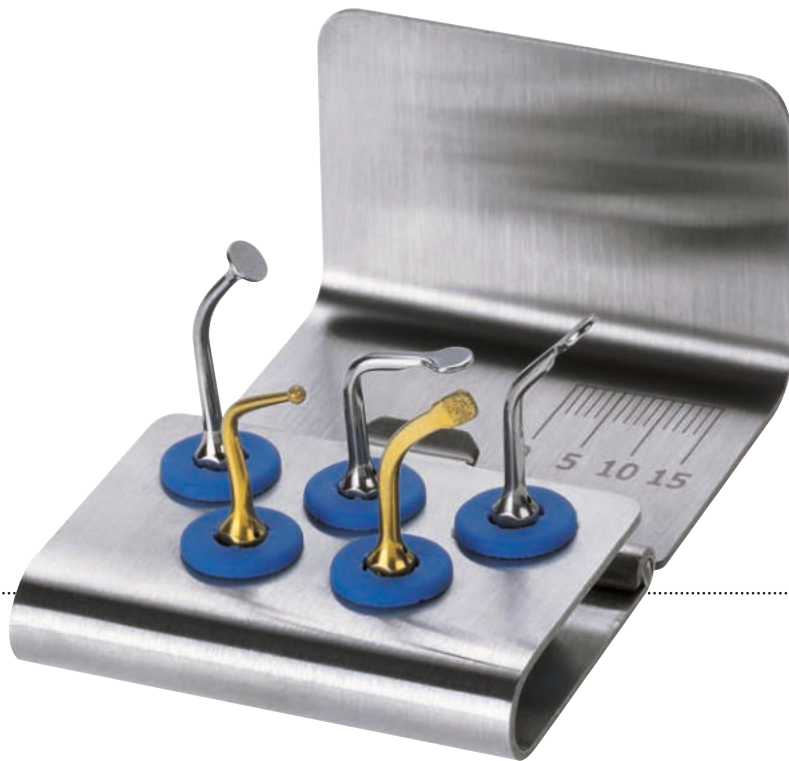


→ SINUS LIFT SET*

→ EQUIPPED WITH:

- 1 insert OT1
- 1 insert OT5
- 1 insert EL1
- 1 insert EL2
- 1 insert EL3
- 1 insert tray

→ OT1 → OT5 → EL1 → EL2 → EL3



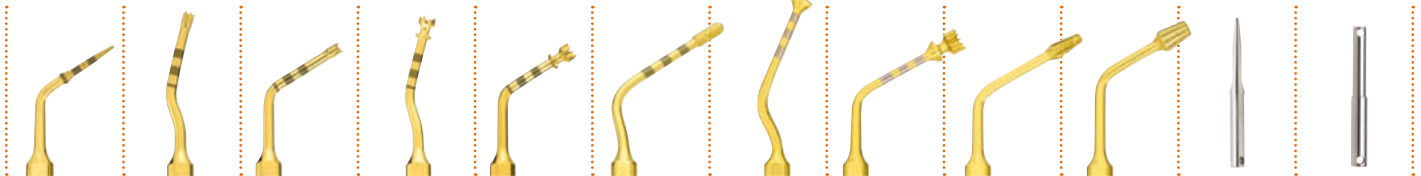
→ IMPLANT PREP PRO SET*



→ EQUIPPED WITH:

- 1 insert IM1S
- 1 insert IM2A
- 1 insert IM2P
- 1 insert IM3A
- 1 insert IM3P
- 1 insert OT4
- 1 insert IM4A
- 1 insert IM4P
- 1 insert P2-3
- 1 insert P3-4
- 3 pins IM1S
- 3 pins 2-2.4
- 1 implant insert tray

→ IM1S → IM2A → IM2P → IM3A → IM3P → OT4 → IM4A → IM4P → P2-3 → P3-4 → PIN IM1S → PIN 2-2.4



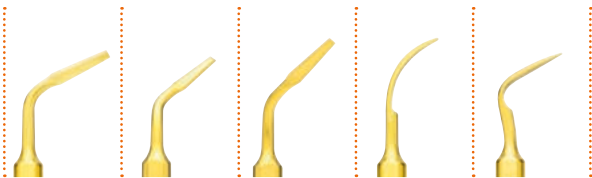
→ EXTRACTION SET*

→ EQUIPPED WITH:

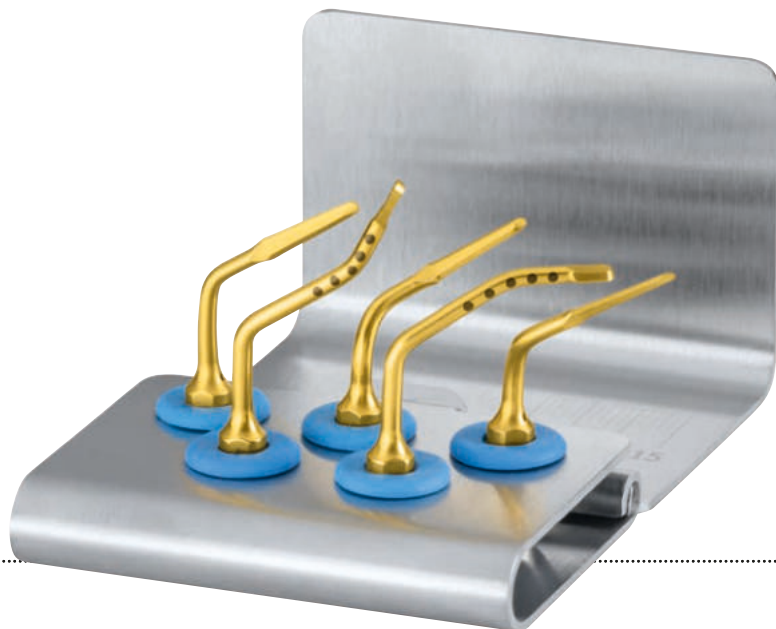
- 1 insert EX1
- 1 insert EX2
- 1 insert EX3
- 1 insert PS2
- 1 insert PS6
- 1 insert tray



→ EX1 → EX2 → EX3 → PS2 → PS6



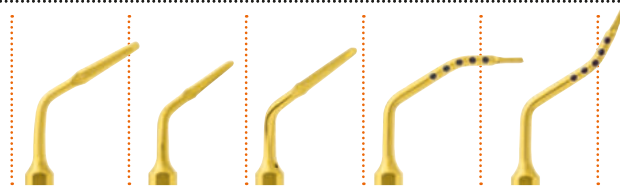
→ ADVANCED EXTRACTION SET*



→ EQUIPPED WITH:

- 1 insert EX0410
- 1 insert EX0510
- 1 insert EX0610
- 1 insert OP1125
- 1 insert OP1225
- 1 insert tray

→ EX0410 → EX0510 → EX0610 → OP1125 → OP1225



→ THIRD MOLAR EXTRACTION SET*

→ EQUIPPED WITH:

- 1 lever EXL1
- 1 lever EXL2
- 1 lever EXL3
- 1 insert EX1
- 1 insert SLO-H
- 1 insert tray



→ EXL1 → EXL2 → EXL3 → EX1 → SLO-H



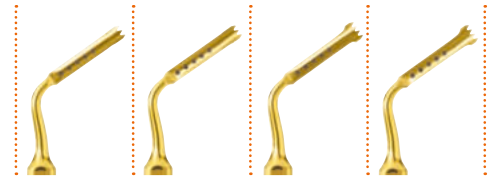
→ EXPLANTATION SET



→ EQUIPPED WITH:

- 1 insert EXP3-R
- 1 insert EXP3-L
- 1 insert EXP4-R
- 1 insert EXP4-L
- 1 insert tray

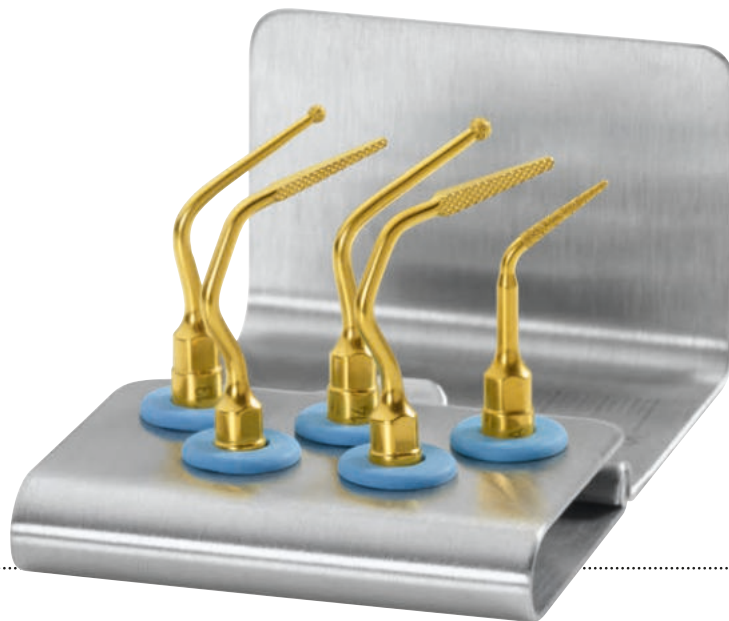
→ EXP3-R → EXP3-L → EXP4-R → EXP4-L



→ RESECTIVE PERIO SET*

→ EQUIPPED WITH:

- 1 insert OT13
- 1 insert OT14
- 1 insert OP5A
- 1 insert OP8
- 1 insert OP9
- 1 insert tray



→ OT13 → OT14 → OP5A → OP8 → OP9



RETRO SURGICAL SET



→ EQUIPPED WITH:

- 1 insert OP7
- 1 insert EN1
- 1 insert EN3
- 1 insert EN5R
- 1 insert EN5L
- 1 insert tray

→ OP7 → EN1 → EN3 → EN5R → EN5L

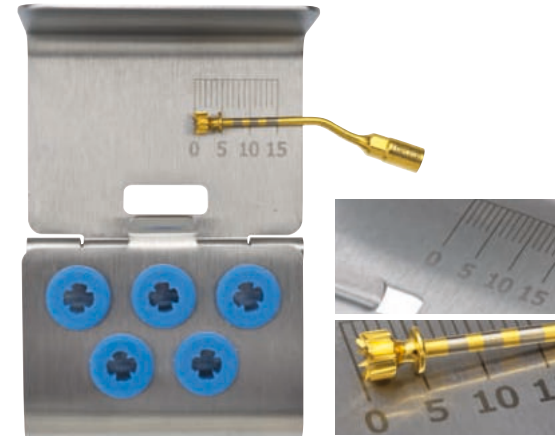


→ INSERT BOX AND TRAY PIEZOSURGERY®



→ INSERT BOX

- box fully autoclavable
- perfect storage of all PIEZOSURGERY® inserts
- light, easy to use, compact and roomy



→ INSERT TRAY

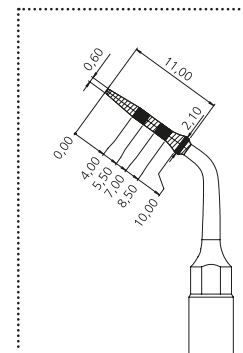
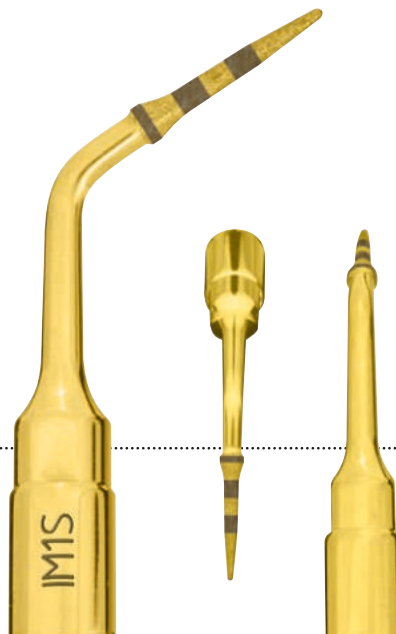
- stainless steel tray with depth markings
- ideal for storage
- tray fully autoclavable

→ CUTTING ACTION

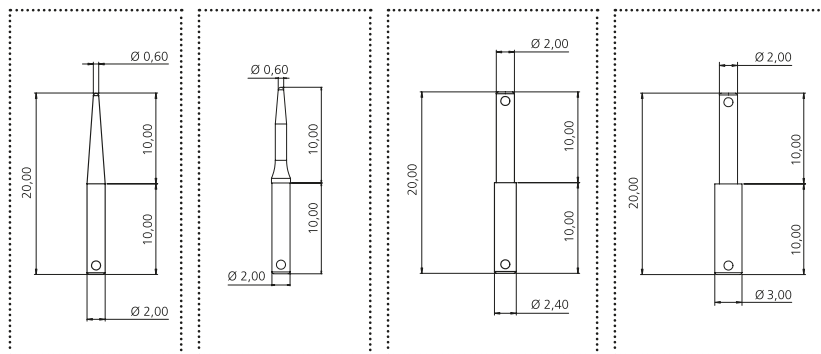
bone perforation

→ CLINICAL APPLICATION

initial pilot osteotomy



diamond grain size 30 µm



→ DESCRIPTION

alignment pins, dedicated to
IM1S, IM2 (Ø 2), IM3 (Ø 3), OT4 (Ø 2.4), IM1 SP

→ CLINICAL APPLICATION

to check preparation axis alignment



→ PIN IM1

→ PIN IM1S

→ PIN 2-2.4

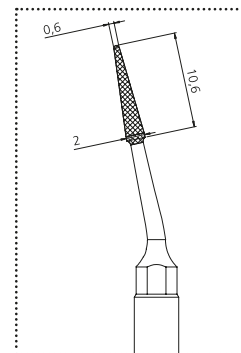
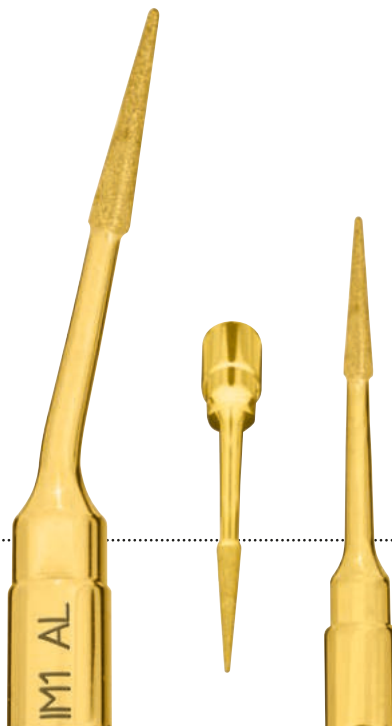
→ PIN 2-3

→ CUTTING ACTION

bone perforation

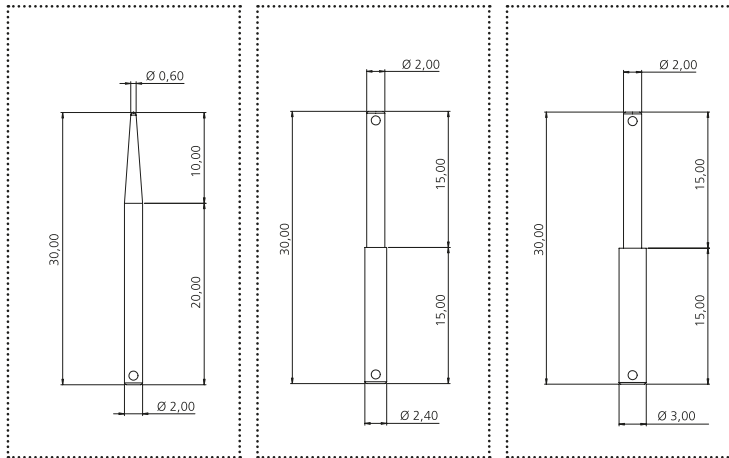
→ CLINICAL APPLICATION

initial pilot osteotomy in extraction sites



diamond grain size 30 µm

→ ALVEOLAR PINS IM1 AL, 2-2.4 AL, 2-3 AL



→ DESCRIPTION

30 mm alignment pins, for extraction sites dedicated to IM1 AL, IM2A ($\varnothing 2$), OT4 ($\varnothing 2.4$), IM3A ($\varnothing 3$)

→ CLINICAL APPLICATION

to check preparation axis alignment



→ PIN IM1 AL

→ PIN 2-2.4 AL

→ PIN 2-3 AL

→ IM2A – IM2A-15

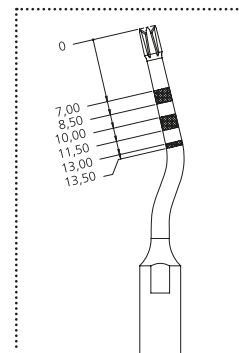
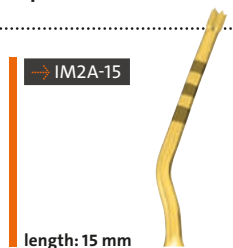
2 mm Ø implant site preparation inserts

→ CUTTING ACTION

bone perforation

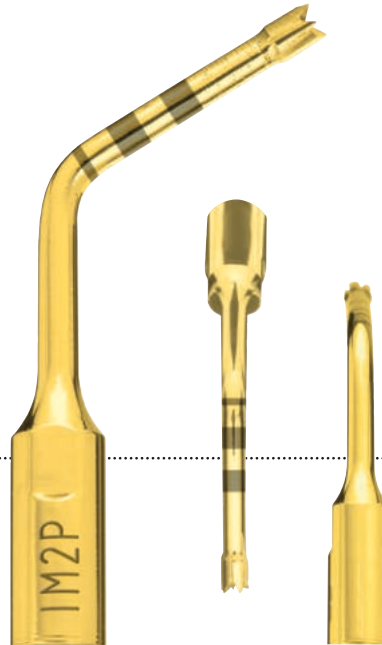
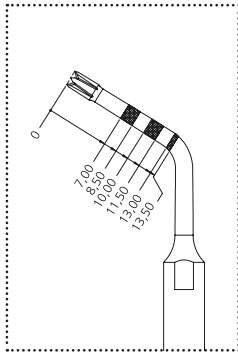
→ CLINICAL APPLICATION

pilot osteotomy in anterior region



2 mm Ø implant site preparation inserts

IM2P – IM2P-15



→ CUTTING ACTION

bone perforation

→ CLINICAL APPLICATION

pilot osteotomy in posterior region

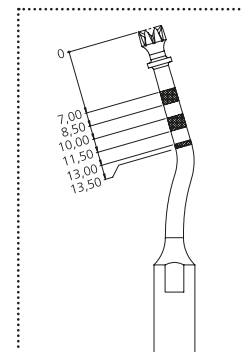


→ CUTTING ACTION

bone perforation

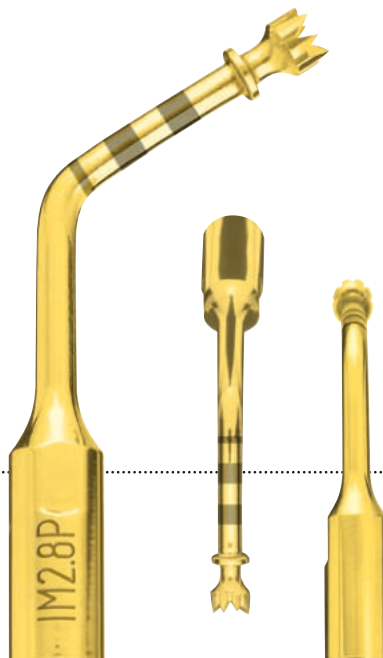
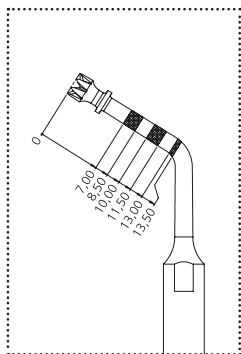
→ CLINICAL APPLICATION

to enlarge or to finalize the implant site preparation; insert with double irrigation to avoid overheating



2.8 mm Ø implant site preparation insert

IM2.8P



→ CUTTING ACTION

bone perforation

→ CLINICAL APPLICATION

to enlarge or to finalize the implant site preparation; insert with double irrigation to avoid overheating



→ IM3A – IM3A-15

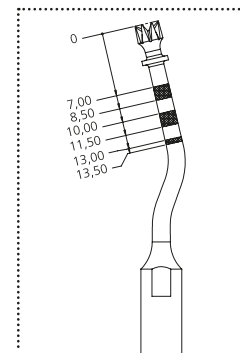
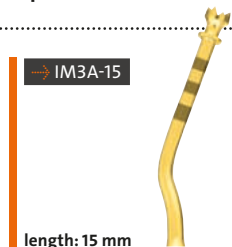
3 mm Ø implant site preparation inserts

→ CUTTING ACTION

bone perforation

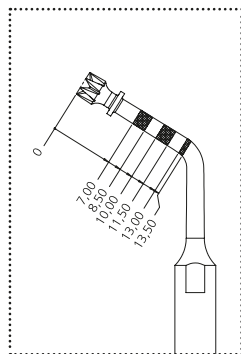
→ CLINICAL APPLICATION

to enlarge or to finalize the implant site preparation; insert with double irrigation to avoid overheating



3 mm Ø implant site preparation inserts

IM3P – IM3P-15

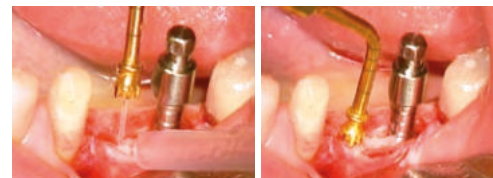


→ CUTTING ACTION

bone perforation

→ CLINICAL APPLICATION

to enlarge or to finalize the implant site preparation; insert with double irrigation to avoid overheating

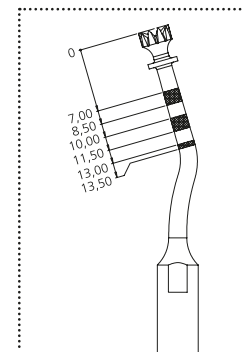


→ CUTTING ACTION

bone perforation

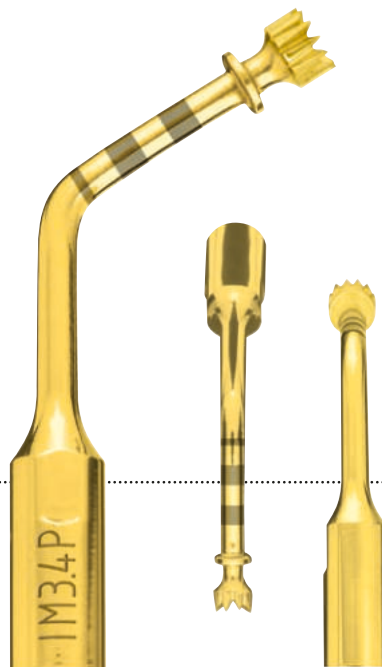
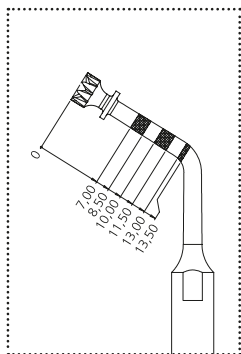
→ CLINICAL APPLICATION

to enlarge or to finalize the implant site preparation; insert with double irrigation to avoid overheating



3.4 mm Ø implant site preparation insert

→ IM3.4P



→ CUTTING ACTION

bone perforation

→ CLINICAL APPLICATION

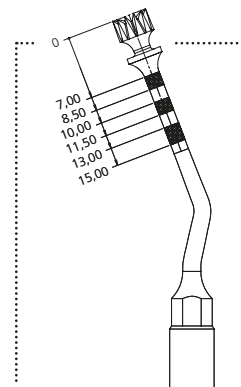
to enlarge or to finalize the implant site preparation; insert with double irrigation to avoid overheating

→ CUTTING ACTION

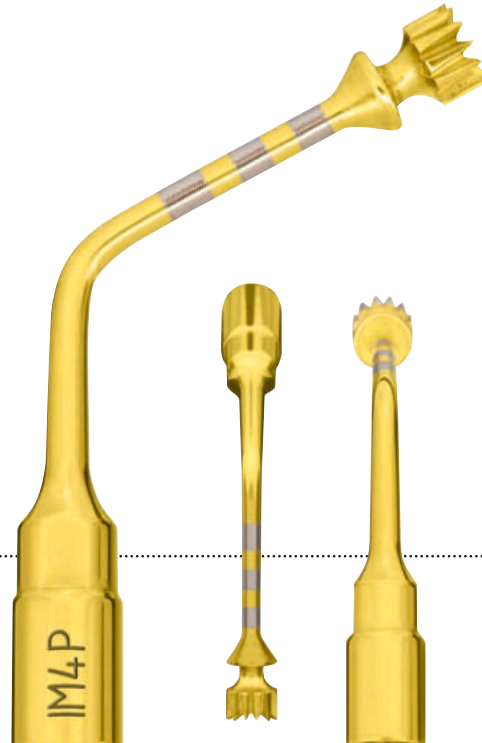
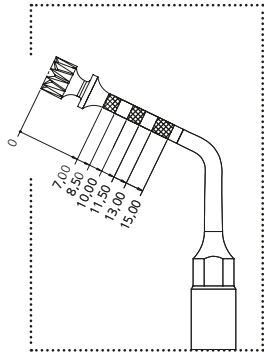
bone perforation

→ CLINICAL APPLICATION

to finalize the implant site preparation; insert with double irrigation to avoid overheating



4 mm Ø implant site preparation insert



→ CUTTING ACTION

bone perforation

→ CLINICAL APPLICATION

to finalize the implant site preparation; insert with double irrigation to avoid overheating

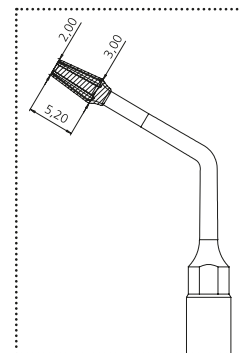
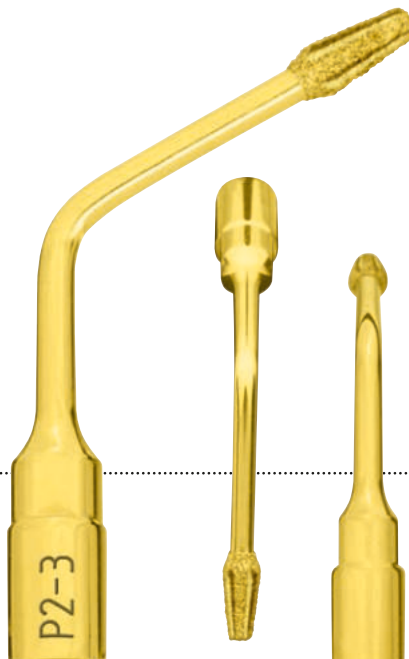


→ CUTTING ACTION

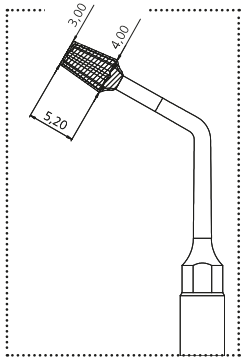
micrometric osteotomy

→ CLINICAL APPLICATION

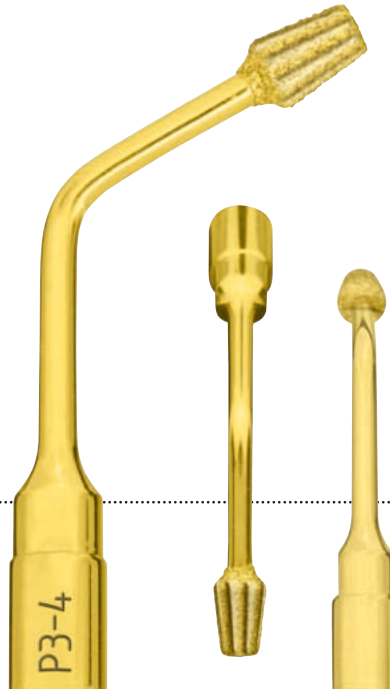
to optimize concentricity of
implant site preparation
between $\varnothing 2$ and $\varnothing 3$ mm



diamond grain size 150 μm



diamond grain size 150 μm



→ **CUTTING ACTION**
micrometric osteotomy

→ **CLINICAL APPLICATION**
to optimize concentricity of
implant site preparation
between $\varnothing 3$ and $\varnothing 4$ mm



→ OT1 – OT1A

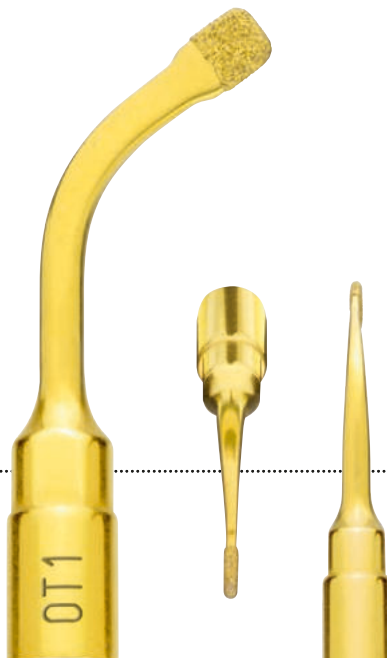
sinus bony window osteotomy inserts

→ CUTTING ACTION

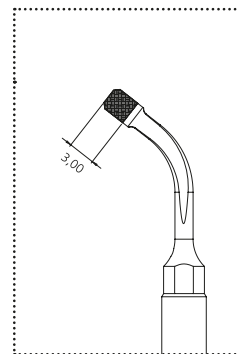
micrometric osteotomy (about 1 mm)

→ CLINICAL APPLICATION

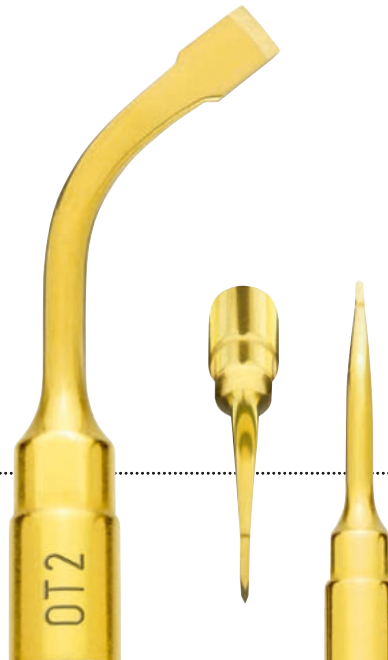
to finalize the osteotomy in proximity of soft tissue (for example: sinus membrane, vessel, alveolar nerve)



diamond grain size 126 μm



diamond grain size 91 μm

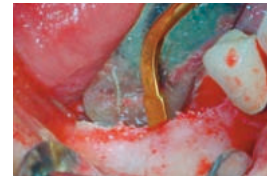


→ CUTTING ACTION

osteotomy

→ CLINICAL APPLICATION

osteotome of great precision
in anatomically thin structures
(for example, ridge expansion,
interdental corticotomies)

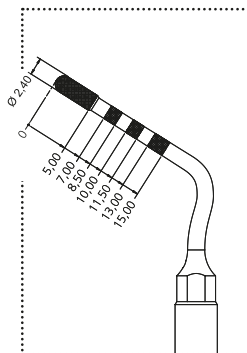


→ CUTTING ACTION

micrometric osteotomy (about 1 mm)

→ CLINICAL APPLICATION

to correct pilot osteotomy axis, to finalize the implant site preparation close to the alveolar nerve; sinus crestal approach technique



diamond grain size 151 µm



→ CUTTING ACTION

micrometric osteotomy or osteoplasty

→ CLINICAL APPLICATION

non-traumatic, to finalize the osteotomy or osteoplasty on thin bone and/or near delicate anatomic structures

Ø 1.7 – diamond grain size 91 µm

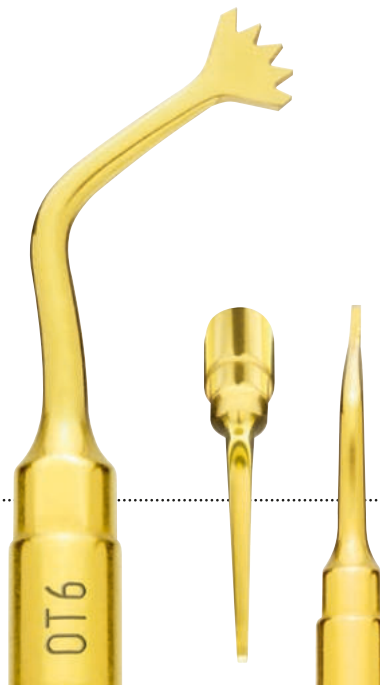


→ CUTTING ACTION

high effectiveness osteotomy

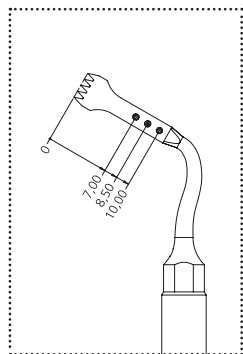
→ CLINICAL APPLICATION

osteotomy of large bone sections
during maxillofacial surgery



principal micro-saws 0.55 mm

→ OT7 – OT7A



thickness 0.55 mm



→ CUTTING ACTION

high effectiveness osteotomy

→ CLINICAL APPLICATION

all the osteotomy technique

- ridge expansion
- corticotomy technique
- bone block grafting



→ OT7S-4

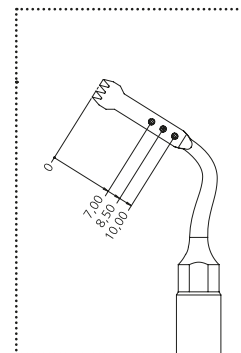
special micro-saw 0.35 mm (4 teeth)

→ CUTTING ACTION

high effectiveness and precision
osteotomy

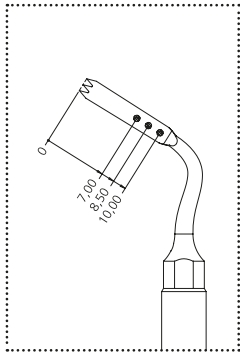
→ CLINICAL APPLICATION

very thin osteotomy, corticotomy for
orthodontic microsurgery technique,
root separation in dental extraction
technique and periodontal surgery



special micro-saw 0.35 mm (3 teeth)

→ OT7S-3



→ CUTTING ACTION

high precision osteotomy

→ CLINICAL APPLICATION

very thin and small osteotomy
and corticotomy technique for
orthodontic microsurgery, root
fraction technique for dental
extraction maneuver



→ OT7-20

micro-saw, length 20 mm

→ CUTTING ACTION

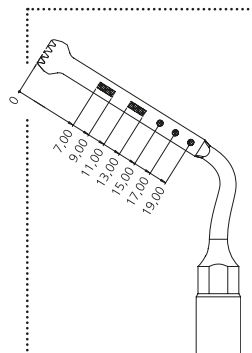
high effectiveness osteotomy

→ CLINICAL APPLICATION

ridge expansion technique, bone
block grafting (from chin/mandible
ramus), Le Fort I osteotomy, bilateral
sagittal split osteotomy



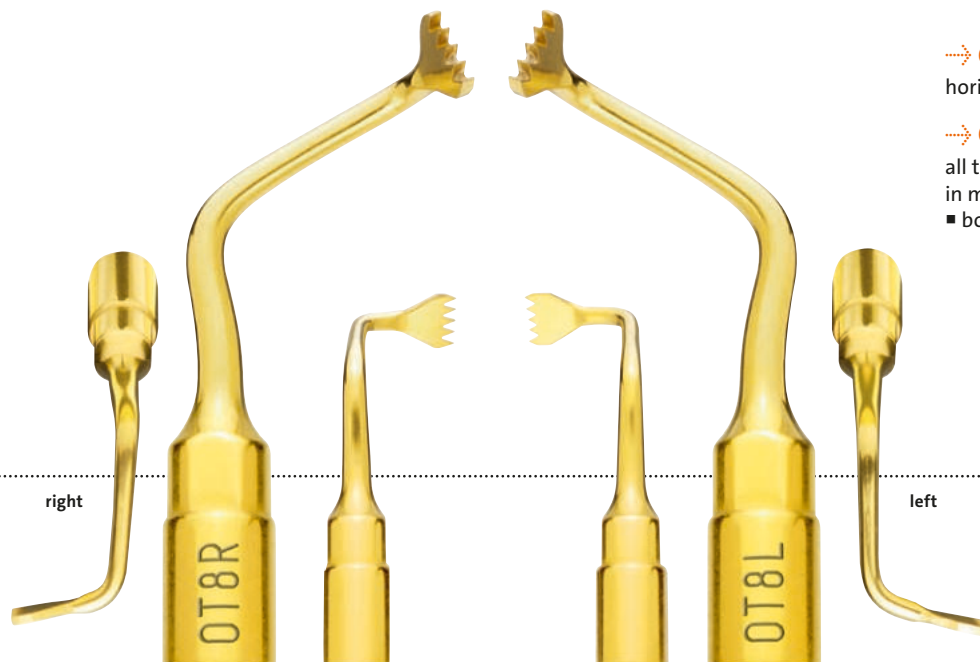
tight up this insert only
with torque wrench K8



thickness 0.6 mm

angled micro-saws 0.6 mm

→ OT8R – OT8L



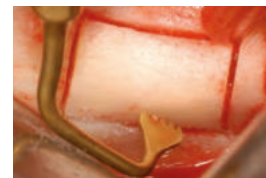
→ CUTTING ACTION

horizontal osteotomy

→ CLINICAL APPLICATION

all the osteotomy technique
in maxilla and mandible

- bone block grafting

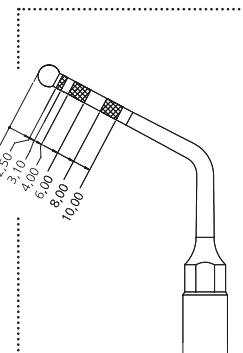


→ CUTTING ACTION

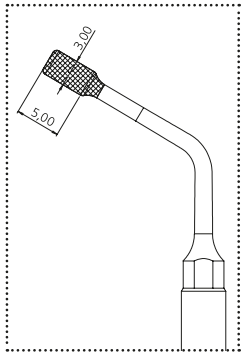
micrometric osteotomy or osteoplasty

→ CLINICAL APPLICATION

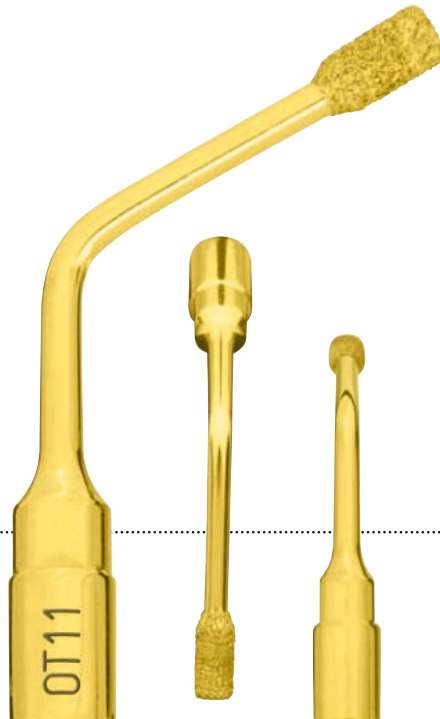
to finalize the osteotomy or osteoplasty near delicate anatomic structures;
insert with double irrigation to avoid overheating



Ø 2.4 – diamond grain size 151 µm



Ø 3.0 – diamond grain size 151 µm



→ CUTTING ACTION

micrometric osteotomy or osteoplasty

→ CLINICAL APPLICATION

removal of the sinus basal cortex and
elevation of the sinus membrane



→ OT12

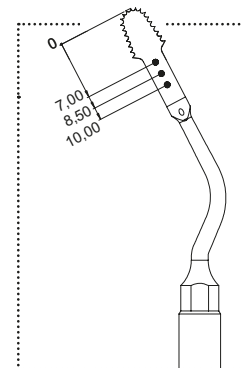
circular micro-saw 0.35 mm

→ CUTTING ACTION

high effectiveness and precision
osteotomy

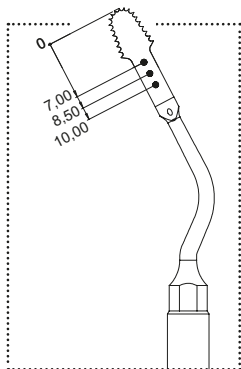
→ CLINICAL APPLICATION

dedicated to the osteotomy
techniques where the standard
piezoelectric bone saws may have
a difficult surgical approach



circular micro-saw 0.25 mm

→ OT12S



→ CUTTING ACTION

high effectiveness and precision
osteotomy

→ CLINICAL APPLICATION

dedicated to the osteotomy
techniques where the standard
piezoelectric bone saws may have
a difficult surgical approach

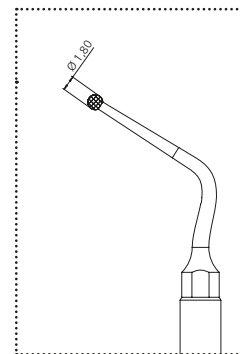
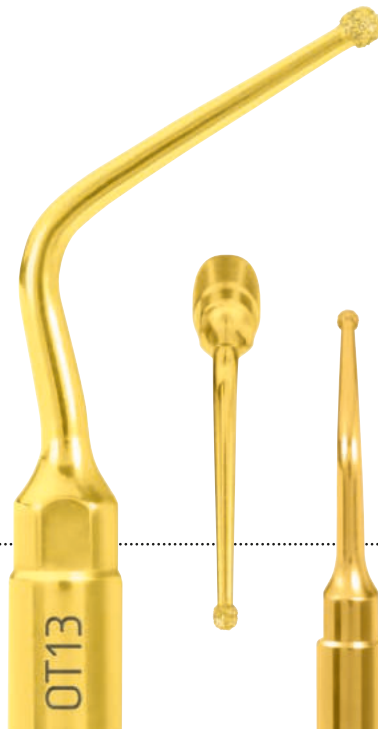


→ CUTTING ACTION

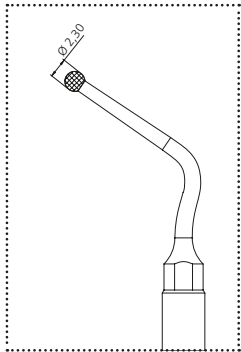
micrometric osteotomy or osteoplasty

→ CLINICAL APPLICATION

non-traumatic bone defect preparation
in resective periodontal surgery



Ø 1.8 – diamond grain size 150 µm



Ø 2.3 – diamond grain size 150 µm



→ CUTTING ACTION

micrometric osteotomy or osteoplasty

→ CLINICAL APPLICATION

non-traumatic bone defect preparation
in resective periodontal surgery

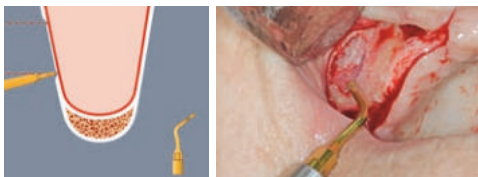
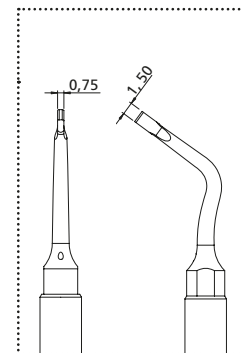


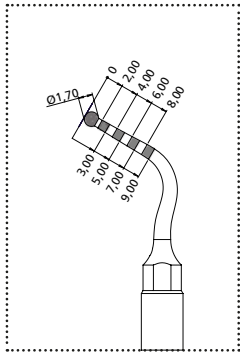
→ CUTTING ACTION

high precision osteotomy

→ CLINICAL APPLICATION

to finalize the bone window osteotomy
to gain access to the sinus membrane



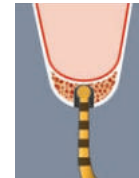


→ CUTTING ACTION

micrometric osteotomy or osteoplasty

→ CLINICAL APPLICATION

sinus floor reaching and safe
bony ring removal during crestal
sinus lift procedure (PIEZO-LIFT)

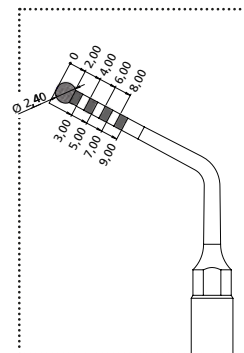
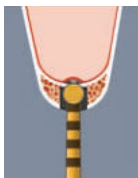


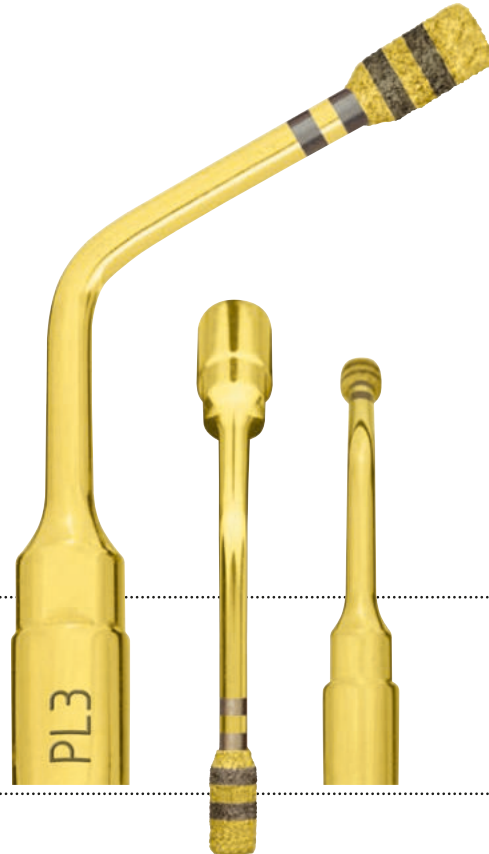
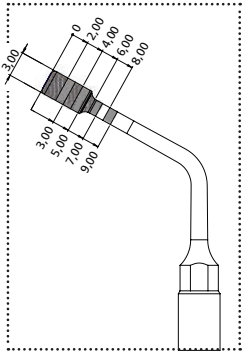
→ CUTTING ACTION

micrometric osteotomy or osteoplasty

→ CLINICAL APPLICATION

sinus floor consumption and initial
membrane elevation during crestal
sinus lift procedure (PIEZO-LIFT)





→ CUTTING ACTION

micrometric osteotomy or osteoplasty

→ CLINICAL APPLICATION

removal of the sinus basal cortex and elevation of the sinus membrane during crestal sinus lift procedure (PIEZO-LIFT)

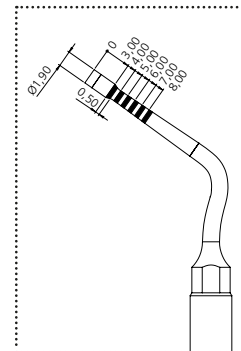
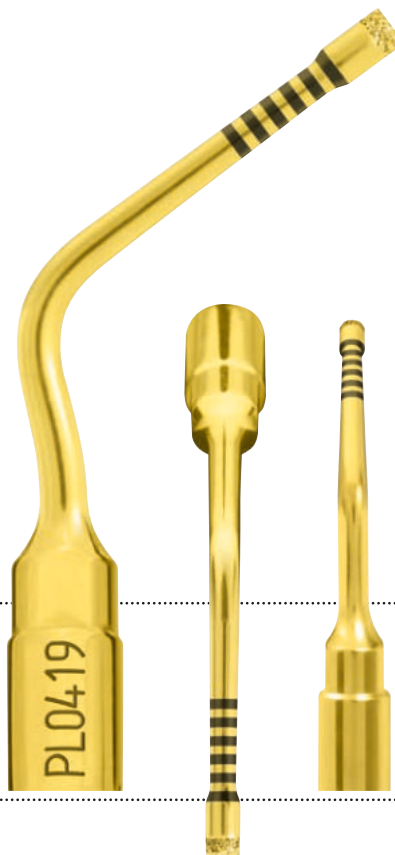
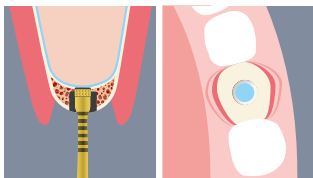


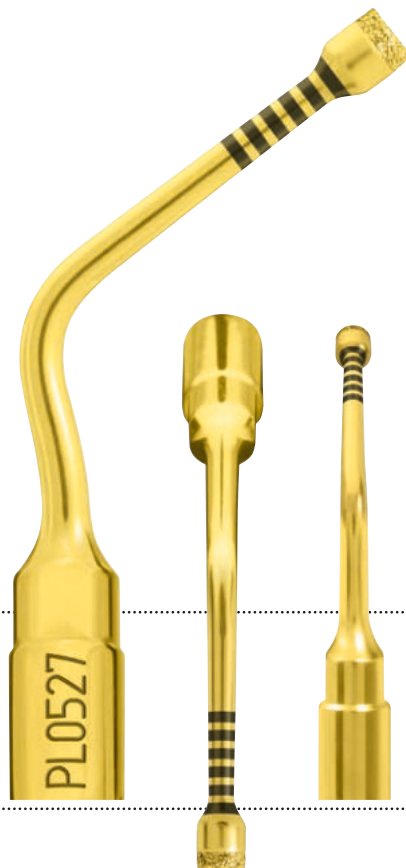
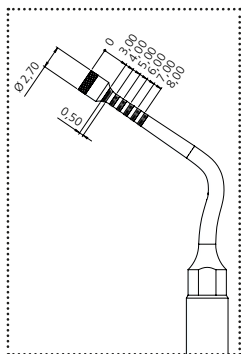
→ CUTTING ACTION

micrometric osteotomy or osteoplasty

→ CLINICAL APPLICATION

sinus floor removal and membrane detachment during Manual Piezo Lift technique ($\varnothing = 1.9 \text{ mm}$)



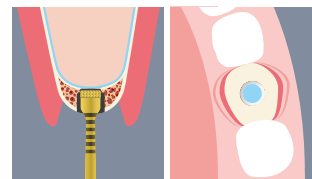


→ CUTTING ACTION

micrometric osteotomy or osteoplasty

→ CLINICAL APPLICATION

sinus floor removal and membrane detachment during Manual Piezo Lift technique ($\varnothing = 2.7$ mm)

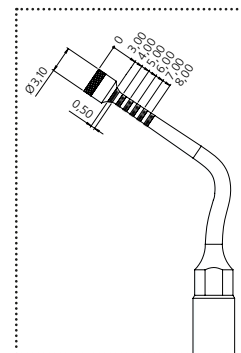
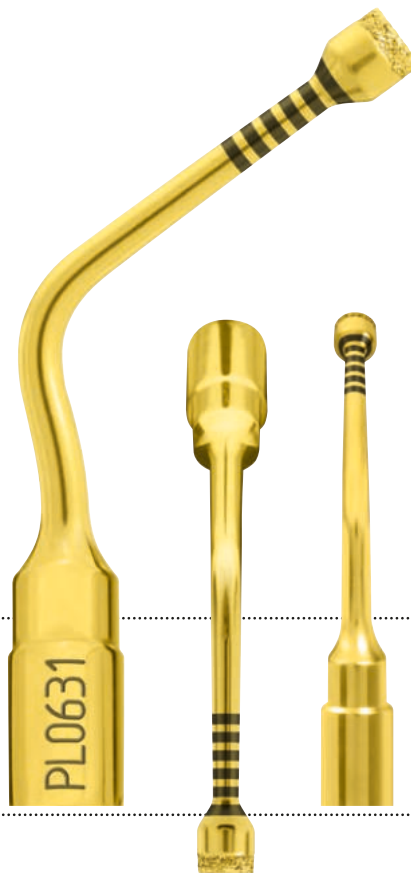
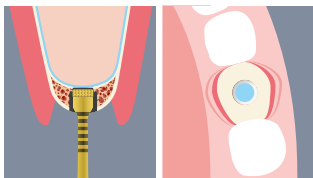


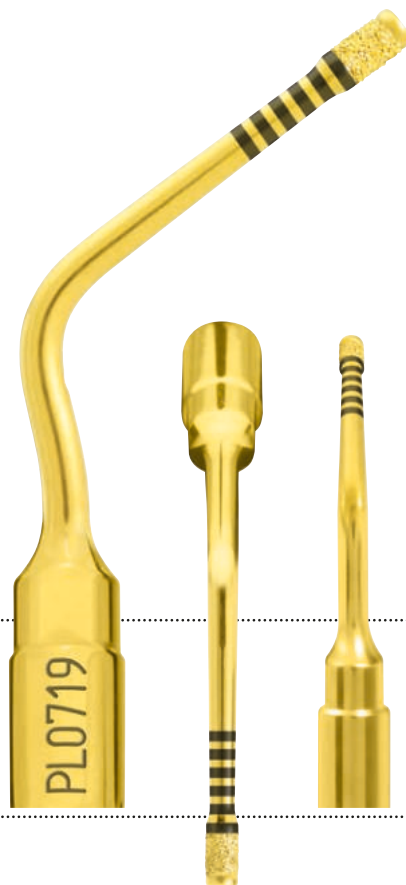
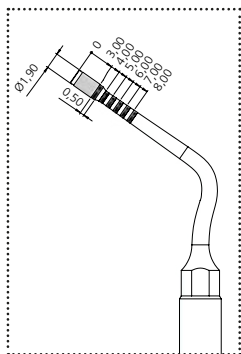
→ CUTTING ACTION

micrometric osteotomy or osteoplasty

→ CLINICAL APPLICATION

sinus floor removal and membrane detachment during Manual Piezo Lift technique ($\varnothing = 3.1 \text{ mm}$)



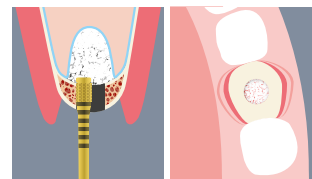


→ CUTTING ACTION

micrometric osteotomy or osteoplasty

→ CLINICAL APPLICATION

removal of the safety bone ring during
Manual Piezo Lift technique ($\varnothing = 1.9$ mm)

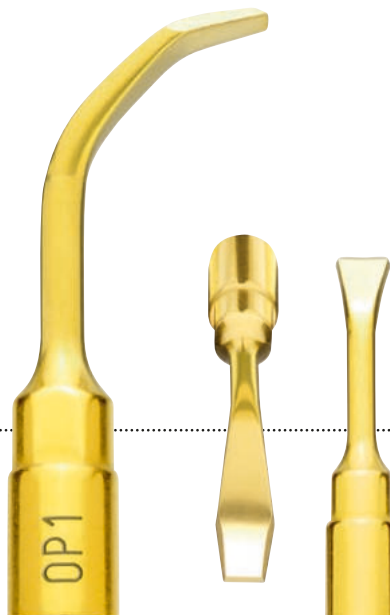


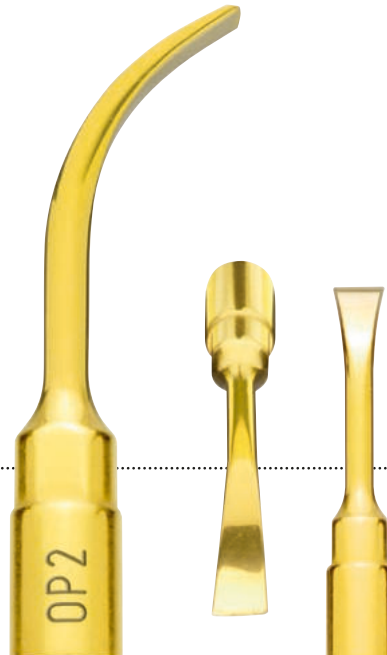
→ CUTTING ACTION

high efficiency bone osteoplasty

→ CLINICAL APPLICATION

bone remodelling and harvesting
of bone chips





→ CUTTING ACTION

osteoplasty

→ CLINICAL APPLICATION

bone osteotomy, remodelling and
removal of inflammatory tissue

→ OP3 – OP3A

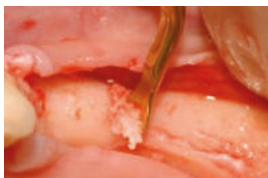
principal osteoplasty inserts

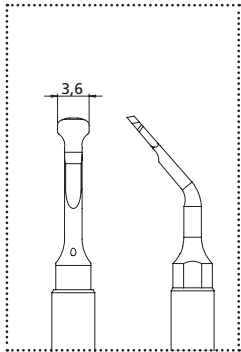
→ CUTTING ACTION

universal osteoplasty

→ CLINICAL APPLICATION

periodontal osteotomy, crown
lengthening, bone chips harvesting,
inflammatory tissue removal (cyst, etc.)



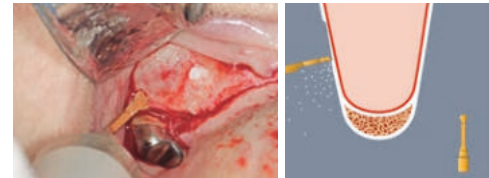


→ CUTTING ACTION

universal osteoplasty

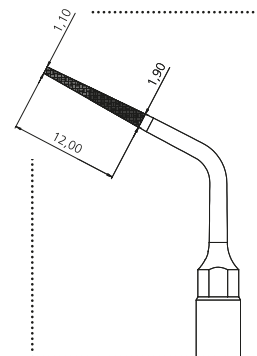
→ CLINICAL APPLICATION

sinus vestibular wall consumption to
gain the membrane access; bone chips
harvesting, inflammatory tissue removal



→ CUTTING ACTION
micro-osteoplasty

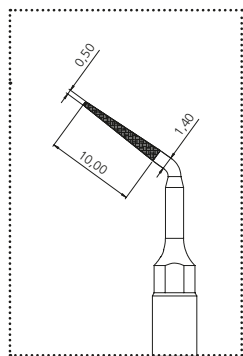
→ CLINICAL APPLICATION
interproximal osteoplasty
and root planing



diamond grain size 126 µm



diamond grain size 90 µm



diamond grain size 30 µm



→ CUTTING ACTION

micro-osteoplasty

→ CLINICAL APPLICATION

root debridement and root planing
during resective and regenerative
periodontal surgery

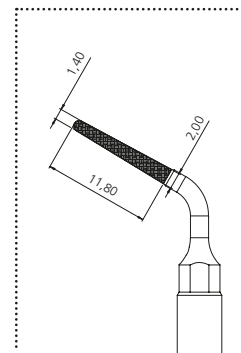


→ CUTTING ACTION

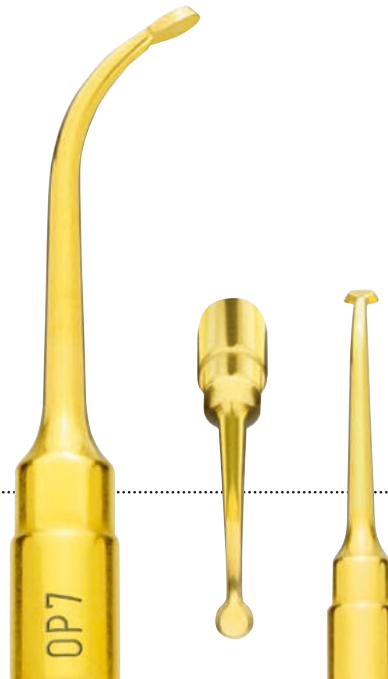
micro-root preparation

→ CLINICAL APPLICATION

root preparation in periodontal surgery



diamond grain size 126 µm



→ CUTTING ACTION

micro-osteoplasty

→ CLINICAL APPLICATION

peri-apical maxillary bone
osteotomy access, inflammatory
tissue removal

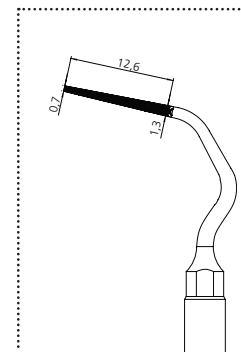
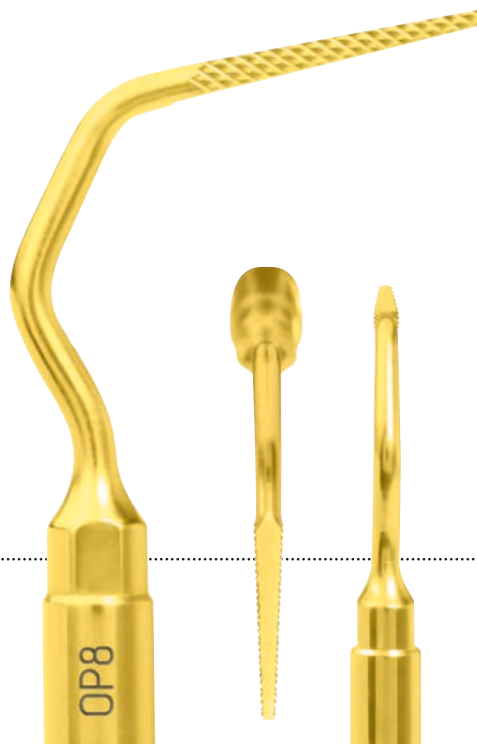


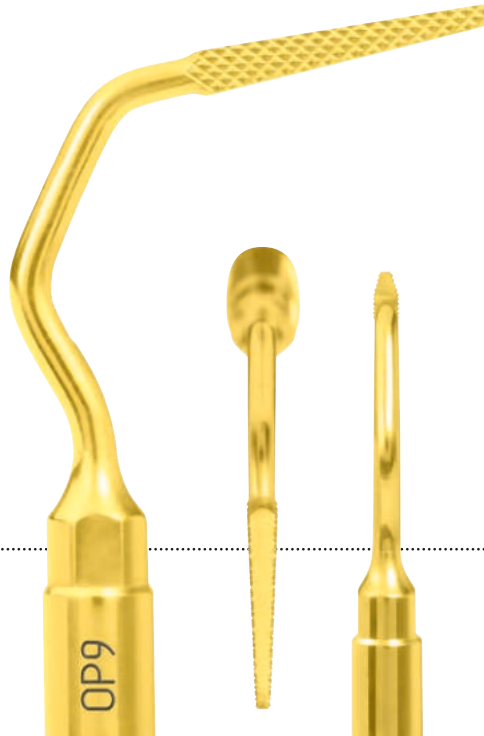
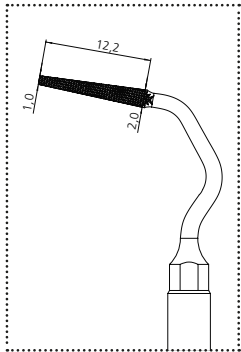
→ CUTTING ACTION

micro-osteoplasty

→ CLINICAL APPLICATION

Interproximal osteoplasty without
damaging adjacent root surfaces





→ **CUTTING ACTION**
micro-osteoplasty

→ **CLINICAL APPLICATION**
Interproximal osteoplasty without
damaging adjacent root surfaces

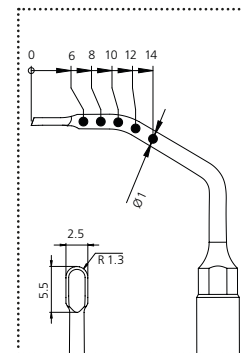
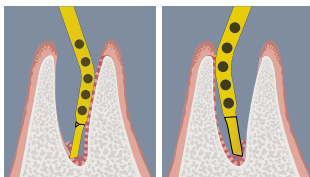


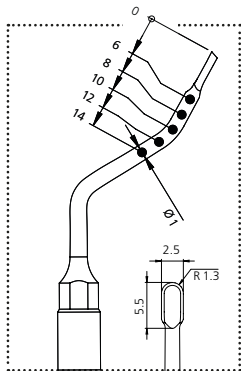
→ CUTTING ACTION

high efficiency osteoplasty

→ CLINICAL APPLICATION

distal alveolar bone debridement



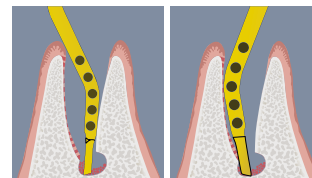


→ CUTTING ACTION

high efficiency osteoplasty

→ CLINICAL APPLICATION

mesial alveolar bone debridement

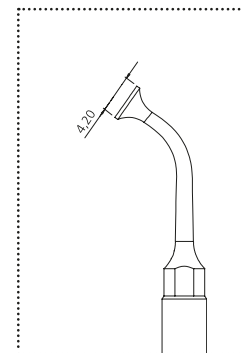


→ CUTTING ACTION

schneiderian membrane
separation from bony walls

→ CLINICAL APPLICATION

separation of the sinus membrane,
2 mm around the frame of bony window



sinus membrane separator angled at 100°

→ EL2



→ CUTTING ACTION

non-cutting elevator of the
sinus membrane

→ CLINICAL APPLICATION

separation of the sinus membrane
in internal zones



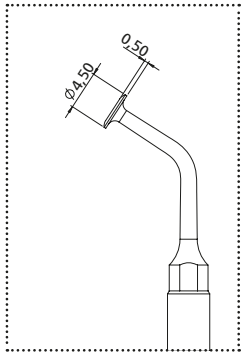
→ CUTTING ACTION

non-cutting elevator of the
sinus membrane

→ CLINICAL APPLICATION

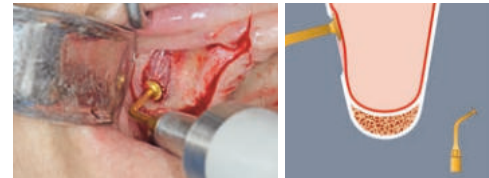
separation of the sinus membrane
in internal zones





→ **CUTTING ACTION**
sinus membrane separator

→ **CLINICAL APPLICATION**
sinus membrane separation from
the bony window margins

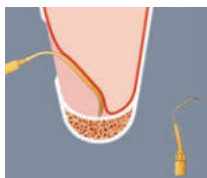
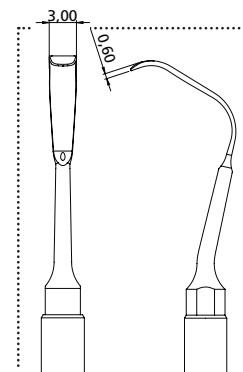


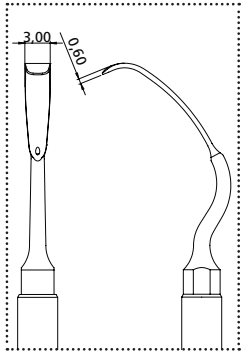
→ CUTTING ACTION

elevator to cut Sharpey's fibers
from the endosteum

→ CLINICAL APPLICATION

sinus membrane elevation
from the sinus floor



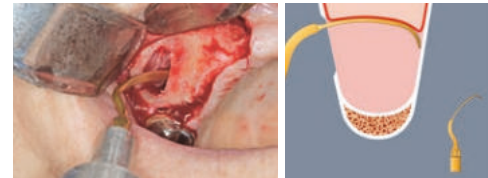


→ CUTTING ACTION

elevator to cut Sharpey's fibers
from the endosteum

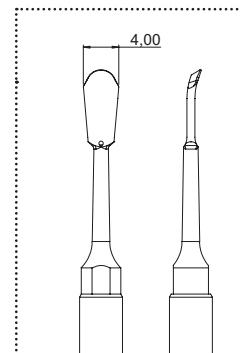
→ CLINICAL APPLICATION

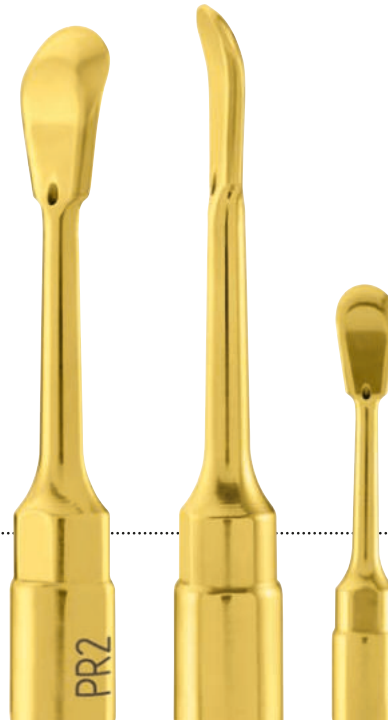
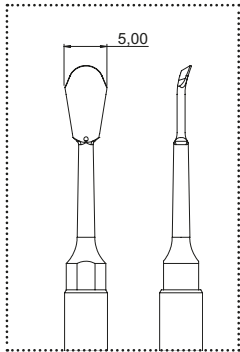
sinus membrane elevation
from the palatal wall



→ CUTTING ACTION
periosteum elevator

→ CLINICAL APPLICATION
subperiosteal preparation





→ CUTTING ACTION
periosteum elevator

→ CLINICAL APPLICATION
subperiosteal preparation

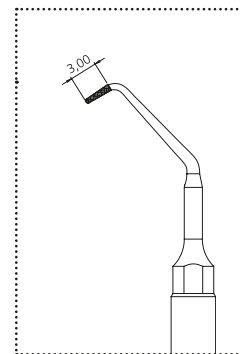
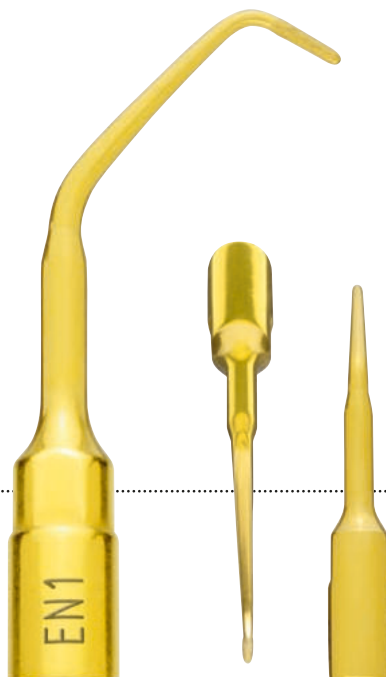


→ CUTTING ACTION

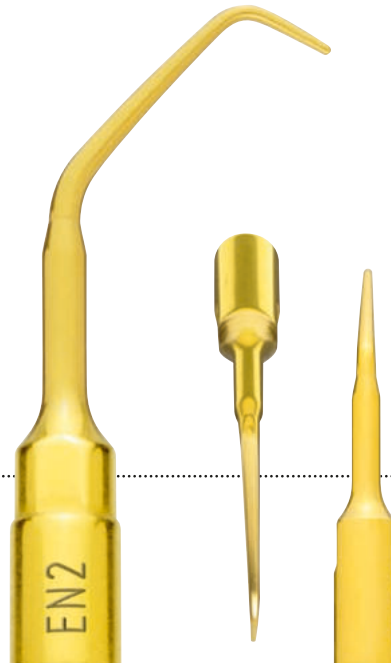
efficient canal cleaning

→ CLINICAL APPLICATION

apical root debridement



diamond grain size 30 μ m

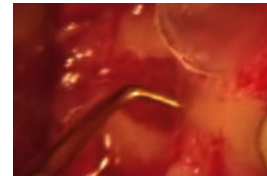


→ CUTTING ACTION

gentle canal cleaning

→ CLINICAL APPLICATION

gentle apical root debridement

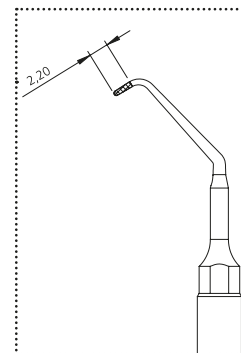
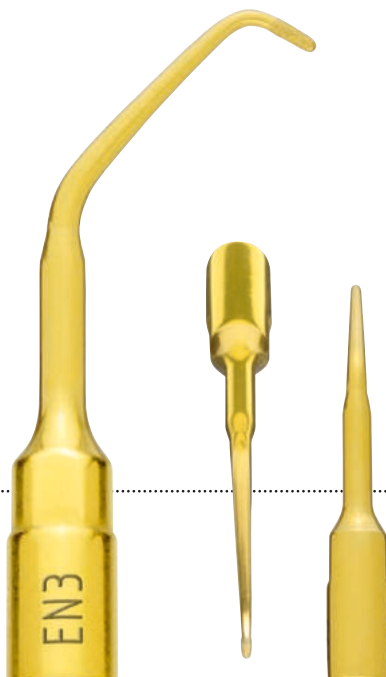


→ CUTTING ACTION

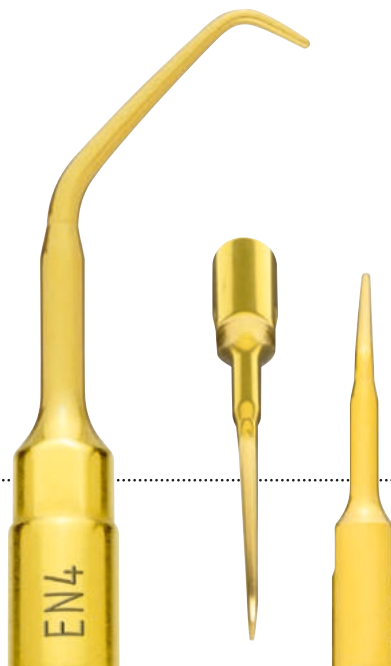
efficient canal cleaning

→ CLINICAL APPLICATION

apical root debridement



diamond grain size 30 μm



→ CUTTING ACTION

gentle canal cleaning

→ CLINICAL APPLICATION

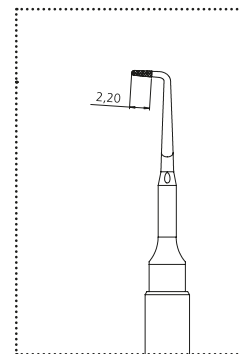
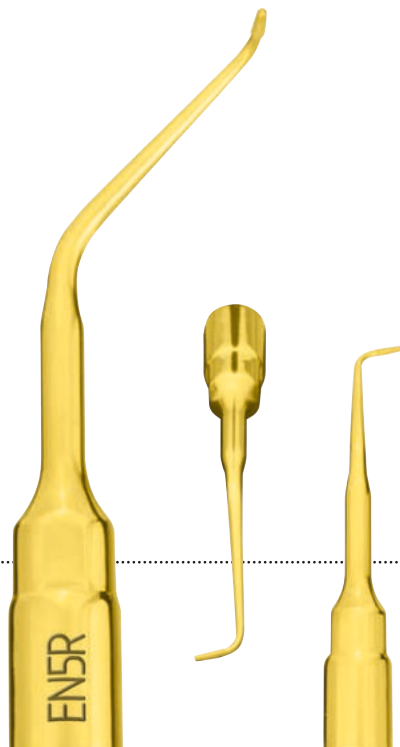
gentle apical root debridement

→ CUTTING ACTION

efficient canal cleaning

→ CLINICAL APPLICATION

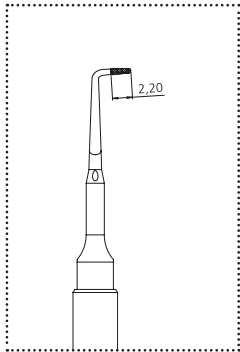
apical root debridement



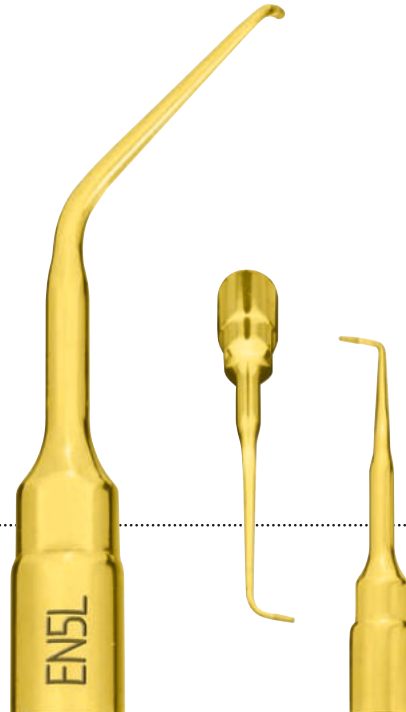
diamond grain size 30 µm

left angled, diamond-coated endo apical debrider 2.2 mm

EN5L



diamond grain size 30 µm



→ CUTTING ACTION

efficient canal cleaning

→ CLINICAL APPLICATION

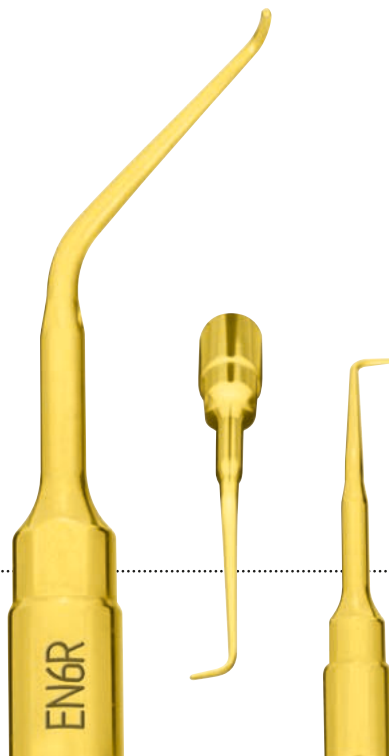
apical root debridement

→ CUTTING ACTION

efficient canal cleaning

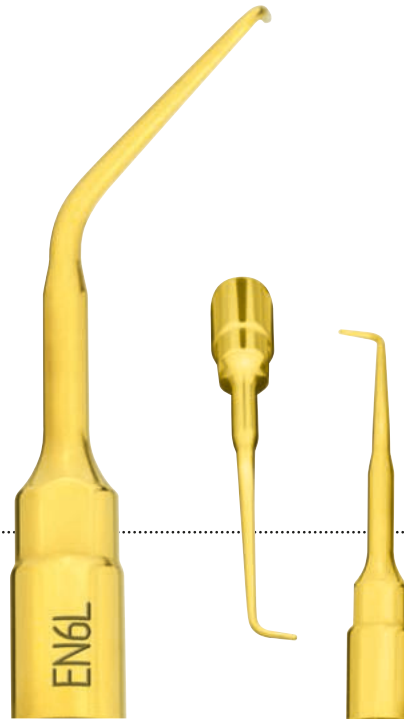
→ CLINICAL APPLICATION

apical root debridement



left angled, smooth endo apical debrider 2.2 mm

→ EN6L



→ CUTTING ACTION

efficient canal cleaning

→ CLINICAL APPLICATION

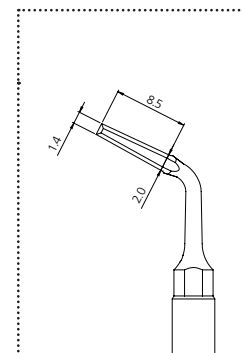
apical root debridement

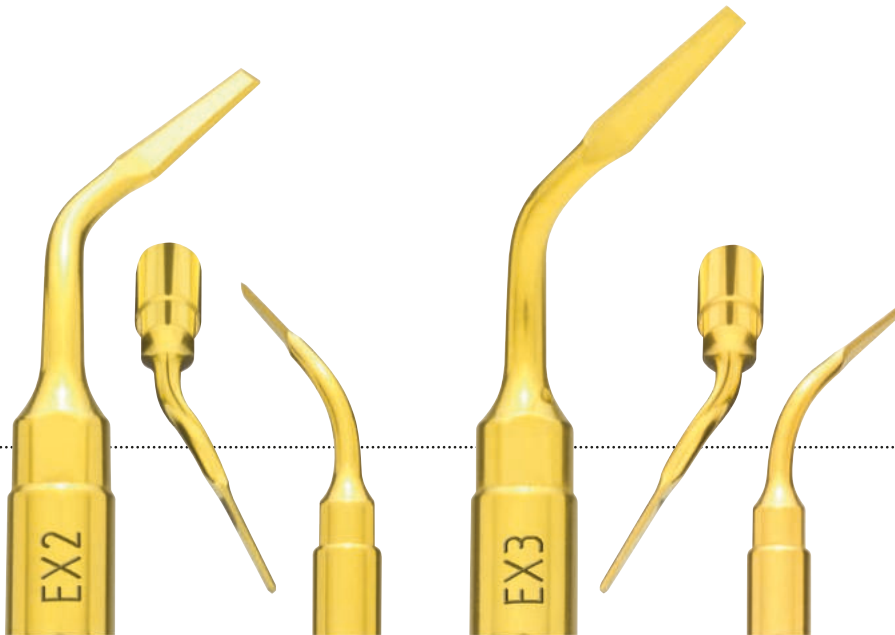
→ CUTTING ACTION

standard extraction

→ CLINICAL APPLICATION

periotomy of connective tissue





→ CUTTING ACTION

standard extraction

→ CLINICAL APPLICATION

analogue to EX1 in the posterior regions

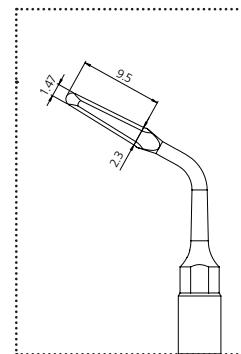
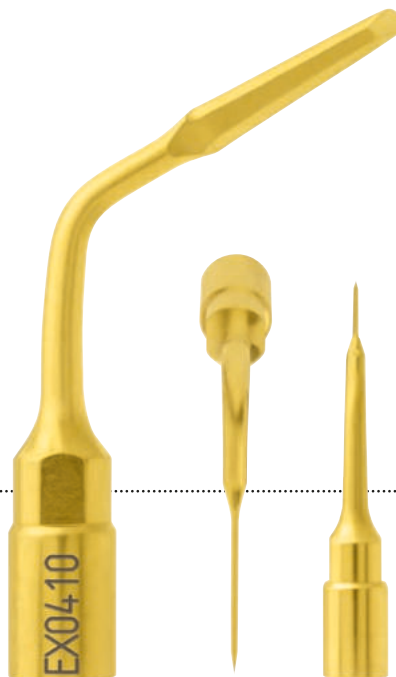
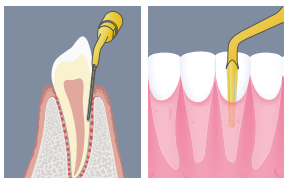


→ CUTTING ACTION

advanced extraction

→ CLINICAL APPLICATION

radiculoplasty to separate the
periodontal ligament



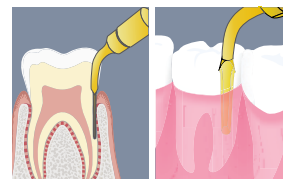
left and right angled thin, long extraction scalpels

EX0510 – EX0610



→ CUTTING ACTION
advanced extraction

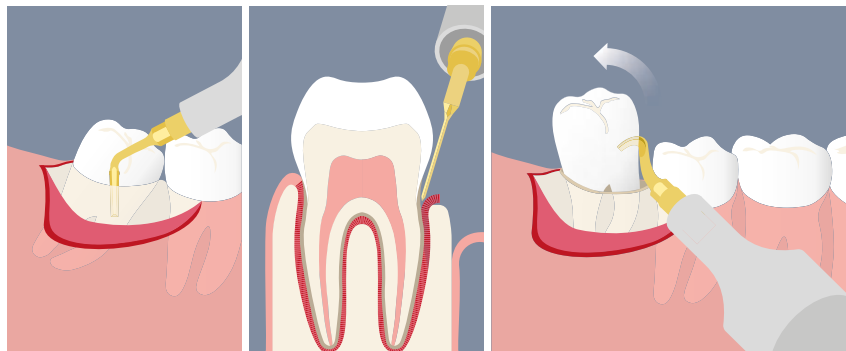
→ CLINICAL APPLICATION
analogue to EX0410 in the
posterior regions

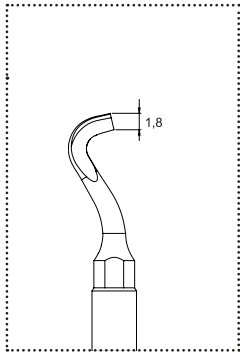


→ PIEZOELECTRIC LEVERS

→ PIEZOELECTRIC INSTRUMENTS FOR THIRD MOLAR EXTRACTION

Mectron introduces the first piezoelectric lever to facilitate the luxation manoeuvre and sometimes even third molar root extraction, especially when ankylosed. This occurs when the manual force the operator exerts on the handpiece is added to the hammering action (typical of the Mectron PIEZOSURGERY®) which propagates from the lever into the deep periodontium. Additionally, proper use of the piezoelectric lever can significantly reduce operating time.





→ CUTTING ACTION

luxation and root extraction

→ CLINICAL APPLICATION

enables luxation and root extraction
in one manoeuvre

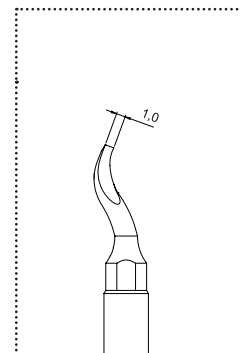


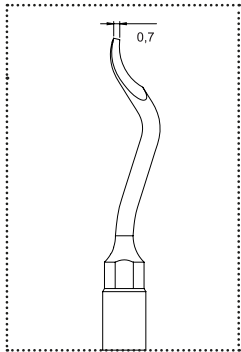
→ CUTTING ACTION

luxation and root extraction

→ CLINICAL APPLICATION

third molar extraction with greater force, thanks to the shorter radius





→ CUTTING ACTION

removal action of radicular fragments

→ CLINICAL APPLICATION

alveolar debridement and removing
root fragments

→ EXP3-R — EXP3-L

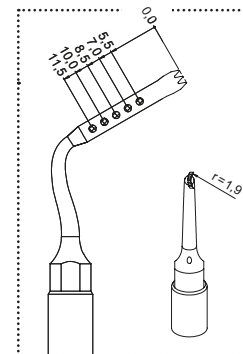
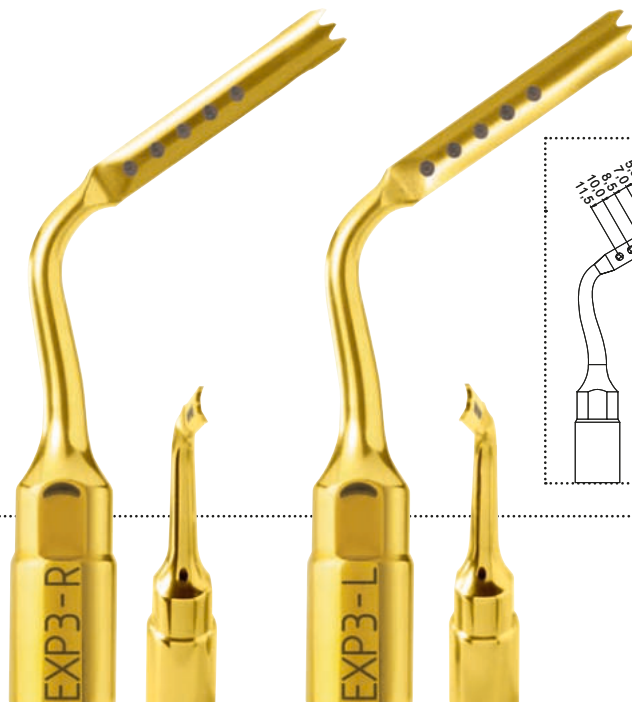
saw with a convex blade

→ CUTTING ACTION

cut around tapered implant or ankylotic tooth

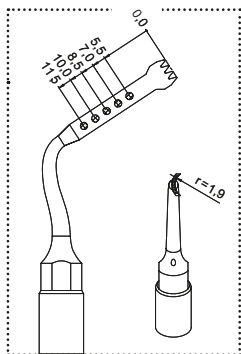
→ CLINICAL APPLICATION

explantation and advanced extraction



saw with a convex blade

→ EXP4-R – EXP4-L



→ CUTTING ACTION

cut around cylindrical implant or ankylotic tooth

→ CLINICAL APPLICATION

explantation and advanced extraction

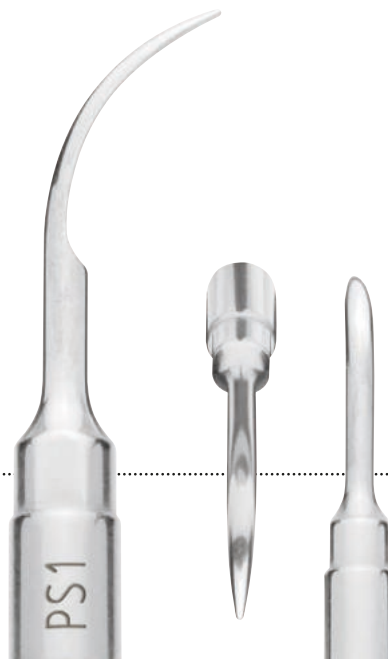


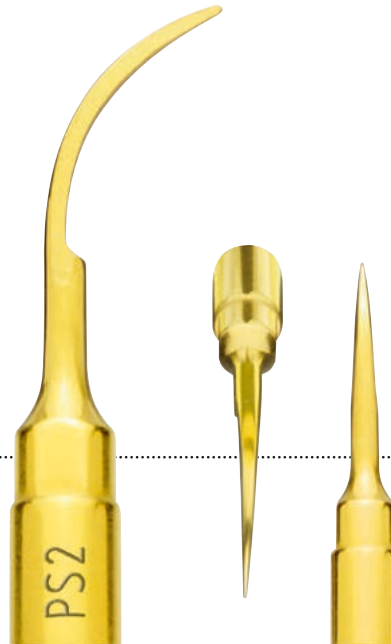
→ CUTTING ACTION

gentle scaling

→ CLINICAL APPLICATION

root scaling





→ CUTTING ACTION

powerful scaling

→ CLINICAL APPLICATION

scaling and inflammatory tissue removal
fractured root apex extraction



→ CUTTING ACTION

gentle scaling

→ CLINICAL APPLICATION

root scaling





→ CUTTING ACTION
root surface micro-smoothing

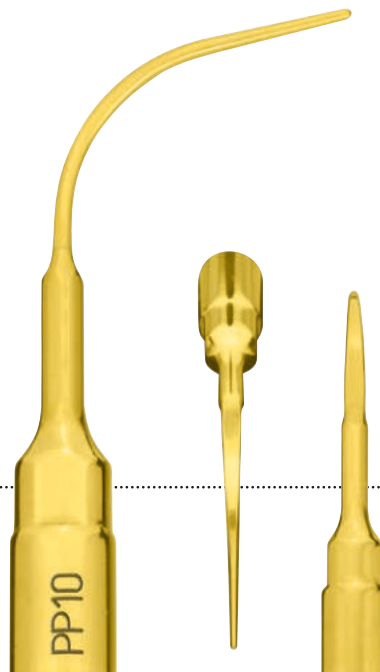
→ CLINICAL APPLICATION
root planing

→ CUTTING ACTION

root surface micro-smoothing

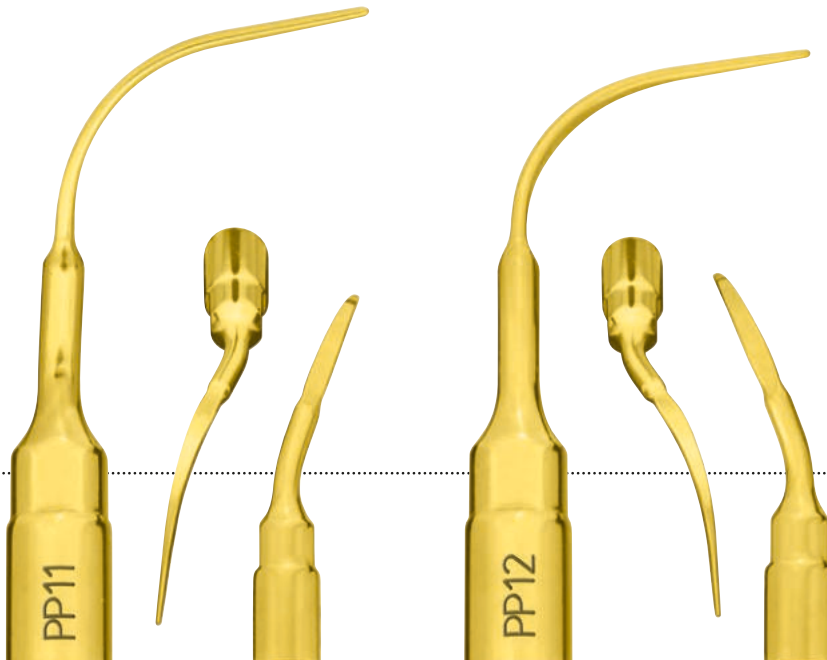
→ CLINICAL APPLICATION

gentle subgingival concretions removal



left and right angled, gentle perio anatomic inserts

→ PP11 – PP12



→ CUTTING ACTION

root surface micro-smoothing

→ CLINICAL APPLICATION

gentle subgingival concretions removal

→ CUTTING ACTION

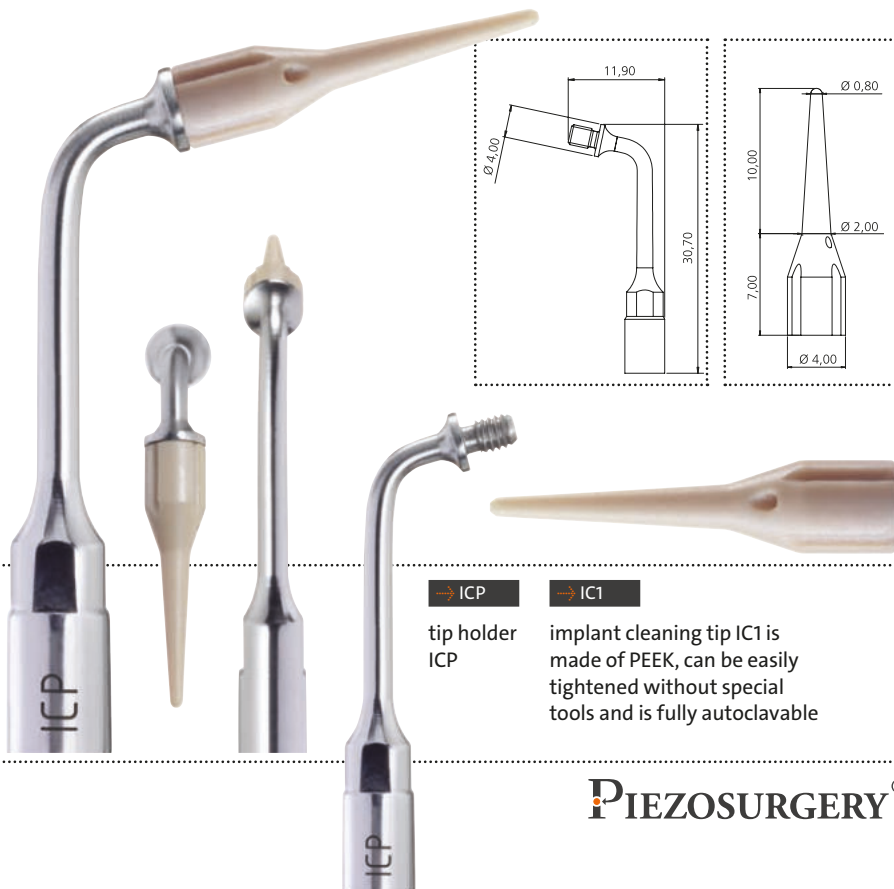
gentle and safe cleaning action of the implant surface

→ CLINICAL APPLICATION

efficient and soft cleaning of implants and restorations

→ IMPLANT CLEANING SET P

The set consists of a tip holder ICP and 5 tips IC1



→ ICP

tip holder
ICP

→ IC1

implant cleaning tip IC1 is made of PEEK, can be easily tightened without special tools and is fully autoclavable

preparation and finishing of subgingival margins

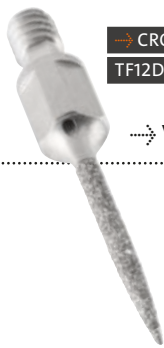
CROWN PREP TIPS



→ DYNAMOMETRIC
WRENCH K7



→ KEY AB1



→ CROWN PREP TIP
TF12D60

→ VERTICAL PREPARATION TECHNIQUE

→ LENGTH 10 MM	→ DIAMOND COATING	
diameter	D90	D60
1.2 mm	TF12D90	TF12D60
1.6 mm	TF16D90	TF16D60



→ TIPHOLDER
DB2 WITH
CROWN PREP TIPS



→ CUTTING ACTION
micro-smoothing

→ CLINICAL APPLICATION
ultrasonic finishing of the cervical margin

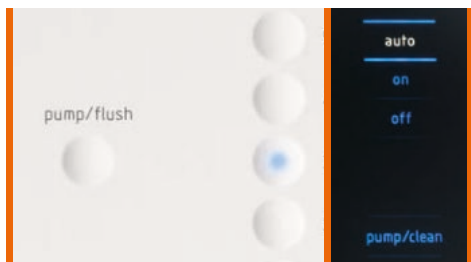
→ CHAMFER TECHNIQUE

→ LENGTH 10 MM	→ DIAMOND COATING		
diameter	D120	D90	D60
1.2 mm		TA12D90	TA12D60
1.4 mm	TA14D120	TA14D90	TA14D60
1.6 mm	TA16D120	TA16D90	TA16D60

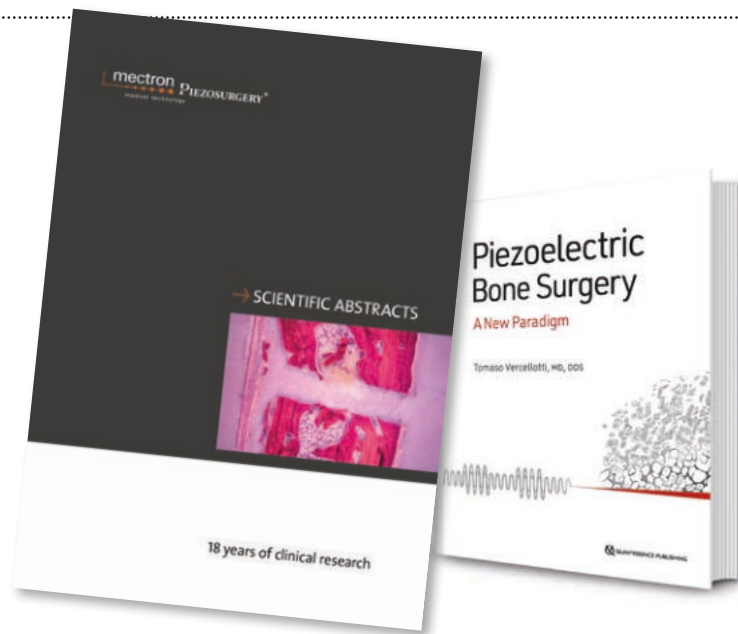
→ CROWN PREP TIP
TF14D60



- enzymatic solution for efficient removal of organic residue
- specifically dedicated to the “flush” function of all PIEZOSURGERY® devices
- works perfectly in ultrasonic cleaning tanks
- easy handling thanks to the dosage measuring cap



→ MECTRON –
MORE THAN 25 YEARS
OF SUCCESSFUL
SCIENTIFIC RESEARCH



→ METHOD PIEZOSURGERY®: EVIDENCE-BASED

With over 25 years of successful clinical research, the original PIEZOSURGERY® method is the only one supported by more than 250 clinical and scientific studies. An updated list of publications can be found at www.mectron.com. Scientific Abstracts are also available for download.

→ EXPERIENCE EDUCATION – MECTRON IS COMMITTED TO ENSURING YOU GET THE BEST KNOWLEDGE OF PIEZOSURGERY® METHOD.

PIEZOSURGERY® has caused a paradigm shift in osseous surgery and has become the new standard of care in oral and periodontal surgery. In addition to its revolutionary technology, its unique level of quality and its optimal ergonomic features, there is yet one more important factor to success with PIEZOSURGERY® technology: you.

→ EDUCATION.MECTRON.COM

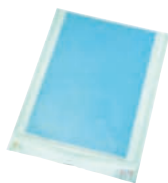
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SPARE PARTS



irrigation kit MT



protection foils



PIEZOSURGERY® insert box



torque wrench K11



PIEZOSURGERY® MT
handpiece



PIEZODRILL® MT
handpiece



PIEZOSURGERY®
standard handpiece

→ MT-BONE

→ ITEM/REFERENCE NUMBER	
PIEZOSURGERY® MT handpiece	03120244
PIEZODRILL® MT handpiece	03120245
irrigation kit MT (qty 10 pcs disposable)	03230020
footswitch MT	04620003
PIEZOSURGERY® MT handpiece front metal cone (without LED)	00710158
PIEZODRILL® MT handpiece front metal cone (without LED)	00710159
MT support rod	02900197
torque wrench K11	02900170
torque wrench K8	02900109
MT-BONE trolley	04440028

→ COMMON SPARE PARTS PIEZOSURGERY®

→ ITEM/REFERENCE NUMBER	
surgical tray	04610004
torque wrench K8	02900109
irrigation set	03230006
PIEZOSURGERY® insert box with a tray holding 15 inserts	02900111
insert tray	02900037
PIEZOSURGERY® insert box with bone expander tray	02900107
PIEZOSURGERY® insert box with implant insert tray	02900108
bag support rod	01380002

→ PIEZOSURGERY® *touch* → PIEZOSURGERY® *white*

→ ITEM/REFERENCE NUMBER	
LED-handpiece, complete with cord	03120134
handpiece, complete with cord (compatible with PS <i>white</i>)	03120217
handpiece holder	02900105
mobile handpiece holder	03110015
handpiece LED-cone	03020158
handpiece metal cone	03020171
set of 8 tubes for pump	02900104
bone grafting set (liquid flow rate reducer)	02900106
protection foils (pack of 10 sterile pieces)	03230012
footswitch (PS <i>touch</i>)	02900102
footswitch (PS <i>white</i>)	02900114
suitcase (PS <i>touch</i> and PS <i>white</i>)	04440006

→ PIEZOSURGERY® I, II AND 3

→ ITEM/REFERENCE NUMBER	
handpiece, complete with cord	03120023
handpiece holder (PSII + 3)	02900040
set of 8 tubes for pump (PSII + 3) (handpiece cord with metal connector)	02900039
set of 8 tubes for pump (PSII + 3) (handpiece cord with plastic connector)	02900104
tube-tube connector	00680027
footswitch (PSI + II)	02900020
footswitch (PS3)	02900078
peristaltic pump	03210006

→ WARNINGS

→ DIAMOND-COATED INSERTS

When the diamond chips wear out a reduction in cutting capacity and a consequent increase in temperature may occur. Use these inserts for a maximum of ten applications.

→ CUTTING INSERTS

When the nitriding wears out the cutting edge loses efficiency and a re-sharpening is unadvisable due to its limited life-span.

→ MEMBRANE SEPARATORS

For a greater life-span it is recommended to use it on low power.
High power can be useful if there are residual bony edges to be removed.

REFERENCE NUMBERS

→ ITEM/REFERENCE NUMBER

PIEZODRILL® set A	01520027
PIEZODRILL® set B	01520028
insert PD0620A	04800011
insert PD0118A	04800001
insert PD0223A	04800002
insert PD0328A	04800003
insert PD0432A	04800004
insert PD0535A	04800005
insert PD0620B	04800012
insert PD0118B	04800006
insert PD0223B	04800007
insert PD0328B	04800008
insert PD0432B	04800009
insert PD0535B	04800010
basic set	01520001
osteotomy set	01520010
sinus lift lateral set	01520023
piezo lift set	01520024
manual piezo lift set	01520026
sinus lift set	01520002
implant prep pro set	01520011
extraction set	01520003
advanced extraction set	01520029
third molar extraction set	01520025
explantation set	01520021
resective perio set	01520022

→ ITEM/REFERENCE NUMBER

retro surgical set	01520005
insert IM1S	03510019
PIN IM1	03740002
PIN IM1S	03740007
PIN 2-2.4	03740003
PIN 2-3	03740001
insert IM1 AL	03510010
PIN IM1 AL	03740004
PIN 2-2.4 AL	03740005
PIN 2-3 AL	03740006
insert IM2A	03510001
insert IM2A-15	03510015
insert IM2P	03510002
insert IM2P-15	03510016
insert IM2.8A	03510025
insert IM2.8P	03510026
insert IM3A	03510003
insert IM3A-15	03510017
insert IM3P	03510004
insert IM3P-15	03510018
insert IM3.4A	03510027
insert IM3.4P	03510028
insert IM4A	03510005
insert IM4P	03510006
insert P2-3	03510020
insert P3-4	03510021

→ ITEM/REFERENCE NUMBER

insert OT1	03370001
insert OT1A	03370008
insert OT2	03370002
insert OT4	03370004
insert OT5	03370005
insert OT5A	03370009
insert OT5B	03370010
insert OT6	03370006
insert OT7	03370007
insert OT7A	03370011
insert OT7S-4	03370014
insert OT7S-3	03370015
insert OT7-20	03370017
insert OT8R	03370012
insert OT8L	03370013
insert OT9	03370016
insert OT11	03370019
insert OT12	03370020
insert OT12S	03370021
insert OT13	03370022
insert OT14	03370023
insert SLO-H	03370025
insert PL1	03370026
insert PL2	03370027
insert PL3	03370028
insert PL0419	03370030

→ ITEM/REFERENCE NUMBER

insert PL0527	03370031
insert PL0631	03370032
insert PL0719	03370033
insert OP1	03380001
insert OP2	03380002
insert OP3	03380003
insert OP3A	03380011
insert SLC	03380013
insert OP4	03380004
insert OP5	03380005
insert OP5A	03380012
insert OP6	03380006
insert OP7	03380007
insert OP8	03380008
insert OP9	03380009
insert OP1125	03380015
insert OP1225	03380016
insert EL1	03390001
insert EL2	03390002
insert EL3	03390003
insert SLS	03390006
insert SLE1	03390007
insert SLE2	03390008
insert PR1	03390004
insert PR2	03390005
insert EN1	02170001

→ ITEM/REFERENCE NUMBER

insert EN2	02170002
insert EN3	02170005
insert EN4	02170006
insert EN5R	02170007
insert EN5L	02170008
insert EN6R	02170009
insert EN6L	02170010
insert EX1	03400001
insert EX2	03400002
insert EX3	03400003
insert EX0410	03400011
insert EX0510	03400012
insert EX0610	03400013
insert EXL1	03400008
insert EXL2	03400009
insert EXL3	03400010
insert EXP3-R	03400004
insert EXP3-L	03400005
insert EXP4-R	03400006
insert EXP4-L	03400007
insert PS1	03180001
insert PS2	03180003
insert PS6	03180005
insert PP1	03180002
insert PP10	03180006
insert PP11	03180007

→ ITEM/REFERENCE NUMBER

insert PP12	03180008
tipholder ICP	03570003
tip IC1 (5 pieces)	02900112
implant cleaning set P (ICP and 5 x IC1)	01520020
crown prep set PS (DB2, AB1 and K7)	02160010
tipholder DB2	03570002
key AB1	03580001
dynamometric wrench K7	02900081
crown prep tip TA12D60	03590001
crown prep tip TA14D60	03590002
crown prep tip TA16D60	03590003
crown prep tip TA12D90	03590004
crown prep tip TA14D90	03590005
crown prep tip TA16D90	03590006
crown prep tip TA14D120	03590007
crown prep tip TA16D120	03590008
crown prep tip TF12D60	03590010
crown prep tip TF16D60	03590011
crown prep tip TF12D90	03590012
crown prep tip TF16D90	03590013
Enzymec (pack of 2 bottles, 0.5 liter each)	03900008

→ APPROPRIATE SETTINGS FOR THE INSERTS



→ PIEZOSURGERY® *touch* → PIEZOSURGERY® *white*

→ INSERT FUNCTION

IMPLANT PREP

IM1S	special*
IM1 AL	implant
IM2A	implant
IM2A-15	implant
IM2P	implant
IM2P-15	implant
IM2.8A	implant
IM2.8P	implant
IM3A	implant
IM3A-15	implant
IM3P	implant
IM3P-15	implant
IM3.4A	implant
IM3.4P	implant
IM4A	implant
IM4P	implant
P2-3	implant
P3-4	implant

→ INSERT

FUNCTION

OSTEOTOMY

OT1	cancellous / cortical
OT1A	cancellous / cortical
OT2	cancellous / cortical
OT4	cancellous / cortical
OT5	cancellous / cortical
OT5A	cancellous / cortical
OT5B	cancellous / cortical
OT6	cancellous / cortical
OT7	cancellous / cortical
OT7A	special*
OT7S-3	special*
OT7S-4	special*
OT7-20	cancellous / cortical
OT8L	cancellous / cortical
OT8R	cancellous / cortical
OT9	cancellous / cortical
OT11	cancellous / cortical
OT12	cancellous / cortical
OT12S	special*
OT13	cancellous / cortical
OT14	cancellous / cortical
SLO-H	cancellous / cortical
PL1	cancellous / cortical
PL2	cancellous / cortical
PL3	cancellous / cortical
PL0419	cancellous / cortical
PL0527	cancellous / cortical
PL0631	cancellous / cortical
PL0719	cancellous / cortical

OSTEOPLASTY

OP1	cancellous / cortical
OP2	cancellous / cortical
OP3	cancellous / cortical
OP3A	cancellous / cortical
SLC	cancellous / cortical
OP4	cancellous / cortical
OP5	perio
OP5A	perio / special
OP6	perio
OP7	cancellous / cortical
OP8	perio / special
OP9	cancellous / cortical
OP1125	cancellous / cortical
OP1225	cancellous / cortical

→ INSERT

FUNCTION

SINUS MEMBRANE ELEVATION

EL1	endo*
EL2	endo*
EL3	endo*
SLS	special*
SLE1	special*
SLE2	special*

PERIOSTEUM

PR1	cancellous / cortical
PR2	cancellous / cortical

ENDO RETRO

EN1	endo*
EN2	endo*
EN3	endo*
EN4	endo*
EN5R	endo*
EN5L	endo*
EN6R	endo*
EN6L	endo*

EXTRACTION

EX1	cancellous / cortical
EX2	cancellous / cortical
EX3	cancellous / cortical
EX0410	special*
EX0510	cancellous / cortical
EX0610	cancellous / cortical
EXL1	cortical
EXL2	cortical
EXL3	cortical

EXPLANTATION

EXP3-R	special / cancellous / cortical
EXP3-L	special / cancellous / cortical
EXP4-R	special / cancellous / cortical
EXP4-L	special / cancellous / cortical

PERIO

PP1	perio
PS1	perio
PS2	perio
PS6	perio
PP10	perio
PP11	perio
PP12	perio

IMPLANT CLEANING

ICP + IC1	endo / perio
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RESTORATIVE

DB2	perio
	special

* Maximum power permitted



PIEZOSURGERY® 3

→ INSERT MODE POWER

IMPLANT PREP

IM1S	BONE	SPECIAL*
IM1 AL	IMPL	IMPLANT
IM2A	IMPL	IMPLANT
IM2A-15	IMPL	IMPLANT
IM2P	IMPL	IMPLANT
IM2P-15	IMPL	IMPLANT
IM2.8A	IMPL	IMPLANT
IM2.8P	IMPL	IMPLANT
IM3A	IMPL	IMPLANT
IM3A-15	IMPL	IMPLANT
IM3P	IMPL	IMPLANT
IM3P-15	IMPL	IMPLANT
IM3.4A	IMPL	IMPLANT
IM3.4P	IMPL	IMPLANT
IM4A	IMPL	IMPLANT
IM4P	IMPL	IMPLANT
P2-3	IMPL	IMPLANT
P3-4	IMPL	IMPLANT

→ INSERT MODE POWER

OSTEOTOMY

OT1	BONE	SPONGIOUS / CORTICAL
OT1A	BONE	SPONGIOUS / CORTICAL
OT2	BONE	SPONGIOUS / CORTICAL
OT4	BONE	SPONGIOUS / CORTICAL
OT5	BONE	SPONGIOUS / CORTICAL
OT5A	BONE	SPONGIOUS / CORTICAL
OT5B	BONE	SPONGIOUS / CORTICAL
OT6	BONE	SPONGIOUS / CORTICAL
OT7	BONE	SPONGIOUS / CORTICAL
OT7A	BONE	SPONGIOUS / CORTICAL
OT7S-3	BONE	SPECIAL*
OT7S-4	BONE	SPECIAL*
OT7-20	BONE	SPONGIOUS / CORTICAL
OT8L	BONE	SPONGIOUS / CORTICAL
OT8R	BONE	SPONGIOUS / CORTICAL
OT9	BONE	SPONGIOUS / CORTICAL
OT11	BONE	SPONGIOUS / CORTICAL
OT12	BONE	SPONGIOUS / CORTICAL
OT12S	BONE	SPECIAL*
OT13	BONE	SPONGIOUS / CORTICAL
OT14	BONE	SPONGIOUS / CORTICAL
SLO-H	BONE	SPONGIOUS / CORTICAL
PL1	BONE	SPONGIOUS / CORTICAL
PL2	BONE	SPONGIOUS / CORTICAL
PL3	BONE	SPONGIOUS / CORTICAL
PL0419	BONE	SPONGIOUS / CORTICAL
PL0527	BONE	SPONGIOUS / CORTICAL
PL0631	BONE	SPONGIOUS / CORTICAL
PL0719	BONE	SPONGIOUS / CORTICAL

OSTEOPLASTY

OP1	BONE	SPONGIOUS / CORTICAL
OP2	BONE	SPONGIOUS / CORTICAL
OP3	BONE	SPONGIOUS / CORTICAL
OP3A	BONE	SPONGIOUS / CORTICAL
OP4	BONE	SPONGIOUS / CORTICAL
OP5	ROOT	PERIO
OP5A	ROOT	PERIO
	BONE	SPECIAL
OP6	ROOT	PERIO
OP7	BONE	SPONGIOUS / CORTICAL
OP8	ROOT	PERIO
	BONE	SPECIAL
OP9	BONE	SPONGIOUS / CORTICAL
OP1125	BONE	SPONGIOUS / CORTICAL
OP1225	BONE	SPONGIOUS / CORTICAL

→ INSERT MODE POWER

SINUS MEMBRANE ELEVATION

EL1	ROOT	ENDO*
EL2	ROOT	ENDO*
EL3	ROOT	ENDO*
SLS	BONE	SPECIAL*
SLE1	BONE	SPECIAL*
SLE2	BONE	SPECIAL*

PERIOSTEUM

PR1	BONE	SPONGIOUS / CORTICAL
PR2	BONE	SPONGIOUS / CORTICAL

ENDO RETRO

EN1	ROOT	ENDO*
EN2	ROOT	ENDO*
EN3	ROOT	ENDO*
EN4	ROOT	ENDO*
EN5R	ROOT	ENDO*
EN5L	ROOT	ENDO*
EN6R	ROOT	ENDO*
EN6L	ROOT	ENDO*

EXTRACTION

EX1	BONE	SPONGIOUS / CORTICAL
EX2	BONE	SPONGIOUS / CORTICAL
EX3	BONE	SPONGIOUS / CORTICAL
EX0410	BONE	SPECIAL*
EX0510	BONE	SPONGIOUS / CORTICAL
EX0610	BONE	SPONGIOUS / CORTICAL
EXL1	BONE	CORTICAL
EXL2	BONE	CORTICAL
EXL3	BONE	CORTICAL

EXPLANTATION

EXP3-R	BONE	SPECIAL / SPONGIOUS / CORTICAL
EXP3-L	BONE	SPECIAL / SPONGIOUS / CORTICAL
EXP4-R	BONE	SPECIAL / SPONGIOUS / CORTICAL
EXP4-L	BONE	SPECIAL / SPONGIOUS / CORTICAL

PERIO

PP1	ROOT	PERIO
PS1	ROOT	PERIO
PS2	ROOT	PERIO
PS6	ROOT	PERIO
PP10	ROOT	PERIO
PP11	ROOT	PERIO
PP12	ROOT	PERIO

IMPLANT CLEANING

ICP + IC1	ROOT	ENDO / PERIO
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RESTORATIVE

DB2	ROOT	PERIO
	BONE	SPECIAL

* Maximum power permitted

→ APPROPRIATE SETTINGS FOR THE INSERTS



→ PIEZOSURGERY® II

→ INSERT MODE POWER**

IMPLANT PREP

IM1S	BONE	SPECIAL*
IM1 AL	BONE	3 / 2 / 1
IM2A	BONE	3 / 2 / 1
IM2A-15	BONE	3 / 2 / 1
IM2P	BONE	3 / 2 / 1
IM2P-15	BONE	3 / 2 / 1
IM2.8A	BONE	3 / 2 / 1
IM2.8P	BONE	3 / 2 / 1
IM3A	BONE	3 / 2 / 1
IM3A-15	BONE	3 / 2 / 1
IM3P	BONE	3 / 2 / 1
IM3P-15	BONE	3 / 2 / 1
IM3.4A	BONE	3 / 2 / 1
IM3.4P	BONE	3 / 2 / 1
IM4A	BONE	3 / 2 / 1
IM4P	BONE	3 / 2 / 1
P2-3	BONE	3 / 2 / 1
P3-4	BONE	3 / 2 / 1

→ INSERT MODE POWER**

OSTEOTOMY

OT1	BONE	3 / 2 / 1
OT1A	BONE	3 / 2 / 1
OT2	BONE	3 / 2 / 1
OT4	BONE	3 / 2 / 1
OT5	BONE	3 / 2 / 1
OT5A	BONE	3 / 2 / 1
OT5B	BONE	3 / 2 / 1
OT6	BONE	3 / 2 / 1
OT7	BONE	3 / 2 / 1
OT7A	BONE	3 / 2 / 1
OT7S-3	BONE	SPECIAL*
OT7S-4	BONE	SPECIAL*
OT7-20	BONE	3 / 2 / 1
OT8L	BONE	3 / 2 / 1
OT8R	BONE	3 / 2 / 1
OT9	BONE	3 / 2 / 1
OT11	BONE	3 / 2 / 1
OT12	BONE	3 / 2 / 1
OT12S	BONE	SPECIAL*
OT13	BONE	3 / 2 / 1
OT14	BONE	3 / 2 / 1
SLO-H	BONE	3 / 2 / 1
PL1	BONE	3 / 2 / 1
PL2	BONE	3 / 2 / 1
PL3	BONE	3 / 2 / 1
PL0419	BONE	3 / 2 / 1
PL0527	BONE	3 / 2 / 1
PL0631	BONE	3 / 2 / 1
PL0719	BONE	3 / 2 / 1

OSTEOPLASTY

OP1	BONE	3 / 2 / 1
OP2	BONE	3 / 2 / 1
OP3	BONE	3 / 2 / 1
OP3A	BONE	3 / 2 / 1
SLC	BONE	3 / 2 / 1
OP4	BONE	3 / 2 / 1
OP5	ROOT	PERIO
OP5A	ROOT	PERIO
	BONE	SPECIAL
OP6	ROOT	PERIO
OP7	BONE	3 / 2 / 1
OP9	BONE	3 / 2 / 1
OP1125	BONE	3 / 2 / 1
OP1225	BONE	3 / 2 / 1

→ INSERT MODE POWER**

SINUS MEMBRANE ELEVATION

EL1	ROOT	ENDO*
EL2	ROOT	ENDO*
EL3	ROOT	ENDO*
SLS	BONE	SPECIAL 1
SLE1	BONE	SPECIAL 1
SLE2	BONE	SPECIAL 1

PERIOSTEUM

PR1	BONE	3 / 2 / 1
PR2	BONE	3 / 2 / 1

ENDO RETRO

EN1	ROOT	ENDO*
EN2	ROOT	ENDO*
EN3	ROOT	ENDO*
EN4	ROOT	ENDO*
EN5R	ROOT	ENDO*
EN5L	ROOT	ENDO*
EN6R	ROOT	ENDO*
EN6L	ROOT	ENDO*

EXTRACTION

EX1	BONE	3 / 2 / 1
EX2	BONE	3 / 2 / 1
EX3	BONE	3 / 2 / 1
EX0410	SPECIAL*	
EX0510	BONE	3 / 2 / 1
EX0610	BONE	3 / 2 / 1
EXL1	BONE	1
EXL2	BONE	1
EXL3	BONE	1

EXPLANTATION

EXP3-R	BONE	SPECIAL / 3 / 2 / 1
EXP3-L	BONE	SPECIAL / 3 / 2 / 1
EXP4-R	BONE	SPECIAL / 3 / 2 / 1
EXP4-L	BONE	SPECIAL / 3 / 2 / 1

PERIO

PP1	ROOT	PERIO
PS1	ROOT	PERIO
PS2	ROOT	PERIO
PS6	ROOT	PERIO
PP10	ROOT	PERIO
PP11	ROOT	PERIO
PP12	ROOT	PERIO

IMPLANT CLEANING

ICP + IC1	ROOT	ENDO / PERIO
-----------	------	--------------

RESTORATIVE

DB2	ROOT	PERIO
	BONE	SPECIAL

* Maximum power permitted

** Power: 1 = max 2 = med 3 = min

→ IMPLANT SITE PREPARATION SEQUENCE

→ PIEZOSURGERY® IMPLANT SITE PREPARATION INSERTS

→ IMPLANTS 3.2 – 3.3		→ IMPLANTS 3.7 – 3.8		→ IMPLANTS 4.0 – 4.1		→ IMPLANTS 4.8 – 5.0	
INSERT SEQUENCE	BONE QUALITY	INSERT SEQUENCE	BONE QUALITY	INSERT SEQUENCE	BONE QUALITY	INSERT SEQUENCE	BONE QUALITY
IM1S		IM1S		IM1S		IM1S	
IM2	L	IM2		IM2		IM2	
P2-3*		P2-3*		P2-3*		P2-3*	
IM2.8	M	IM2.8	L	IM3	L	IM3	
IM3	H	IM3	M	P3-4*		P3-4*	
		P3-4*		IM3.4	M	IM4	LM
		IM3.4	H	CORTICAL BONE TAP TOOL	H	CORTICAL BONE TAP TOOL	H

L	low bone density
M	medium bone density
H	hard bone density

* only crestal cortical

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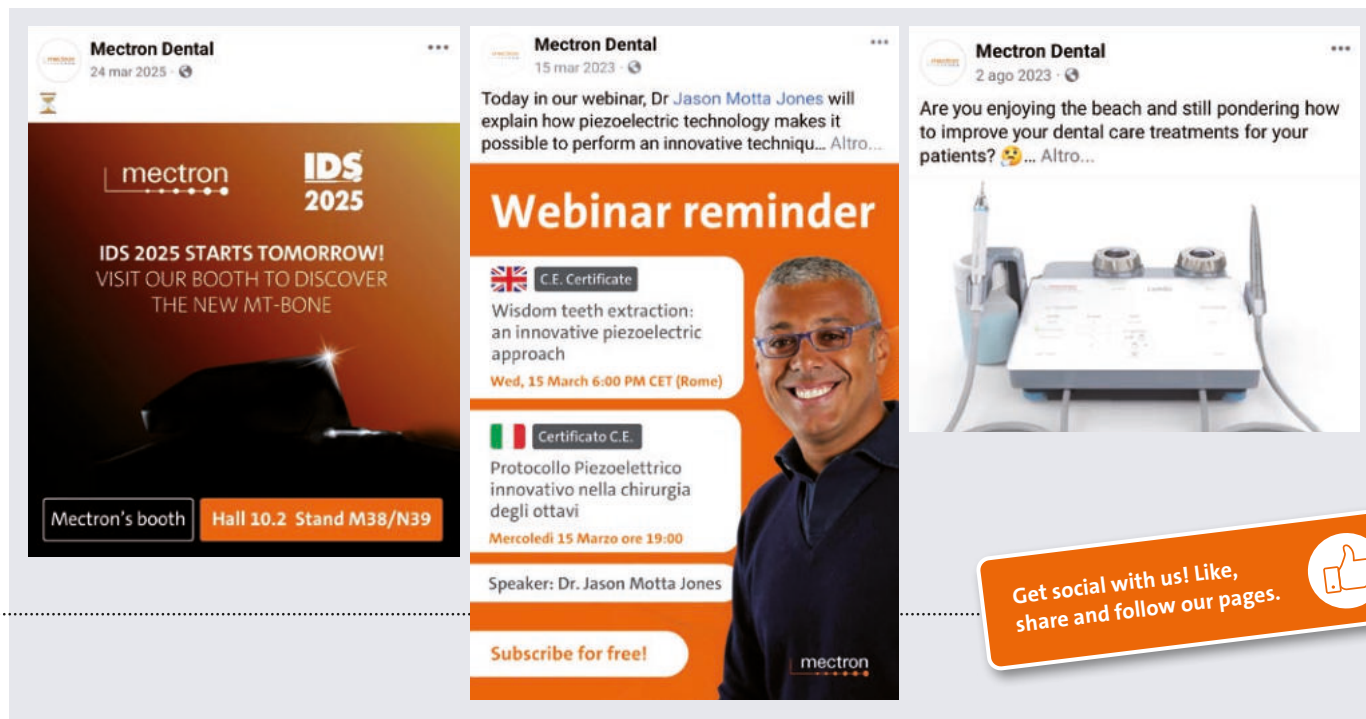


→ FACEBOOK



→ LINKEDIN





→ MECTRON RANGE

→ MECTRON HAS PRODUCTS FOR A WIDE RANGE OF OTHER DENTAL NEEDS

We offer a broad spectrum of other dental products from air-polishing to curing lights and ultrasonic scalers. mectron is your strong and reliable partner for almost every dental challenge – experience mectron.





→ AIR-POLISHING

COMBI touch: features and advantages

- 1 ultra slim LED handpiece with circular light. Only 55 grams
- 2 from one powder to another with just one click
- 3 clogging protection thanks to a permanent stream of light air
- 4 flexible, soft and atraumatic subgingival perio tip specially

- designed to manage the deepest periodontal pockets
- 5 heated water to a physiologically comfortable temperature
- 6 the air and water tubes will be cleaned automatically
- 7 SOFT MODE function for an ultra gentle scaling

→ PROPHYLAXIS POWDERS



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→ www.mectron.com or mectron@mectron.com



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For graphic reasons the styling of the product names might be different. The registered product names correspond as following:

- | | |
|----------------------|---------------------|
| • MT-Bone | MT-BONE |
| • PIEZOSURGERY touch | PIEZOSURGERY® touch |
| • PIEZOSURGERY white | PIEZOSURGERY® white |
| • PIEZODRILL | PIEZODRILL® |