MGM
IMPLANT
MADE IN
GERMANY

# ABOUT

MGM IMPLANT, which adopted the highest quality in all product groups and services provided to the distinguished dentists, has been specialized in the field of implantology under the TS-EN-ISO 13485 quality management system and aimed at providing the latest technologies to their disposal.

MGM IMPLANT acting as the producer of all implantology system for all over the World, without sacrificing from the quality, with the basis in Bremen and strong sales and service network reaching out each point off all the world and significant amount of know how we have gained the thefield, since 2008.

Our vision is to become an assertive trademark at international level, by continuously improving our company in the light of the experience we gained in the health sector, remaining committed to the ethical values in respecting to increasing the quality standards and acting in line with our determined and service-based understanding.

Distinguished Dentists,

Taking this chance, we would like to underline that we are proud of offering you the highest quality, respectable and advanced technology.

Sincerely,

MGM IMPLANT

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**Our aim is perfectly clean surfaces using a processing technique composed of advanced cleaning protocols and repeated verifications.**

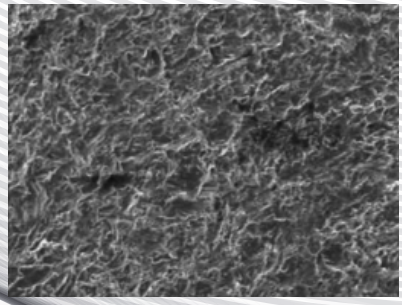
Predictable and immaculate cleaning is achieved by regular tests and the MGM implant processing protocols

This MGM implant cleaning system warrants the realization of pure surfaces that don't contain foreign matter other than their raw materials.

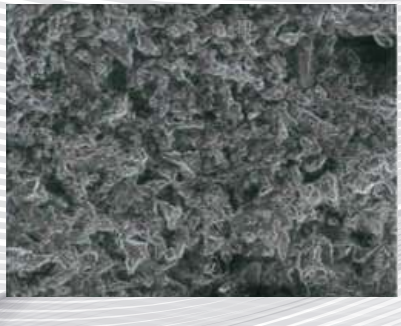
# SURFACE TREATMENT

## SEM Pictures

The **M-Pure Surface** treatment is a commonly used method.
M-Pure Surface has roughened micro- and nano-structure surface topography.
This structure leads to optimal cell adherence and proliferation int the cavities of the roughened implant surface, significantly increasing the number of cells attached to the surface.
The M-Pure Surface technique is considered the industry standart and has been copied by many implant companies.
As this system does not use acid, a purer and cleaner surface is obtained.
This surface treatment attributes to a shorter healing time, and boasts a 98.8% success rate.



X 400



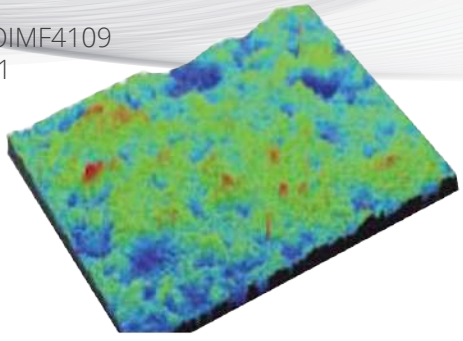
X 500

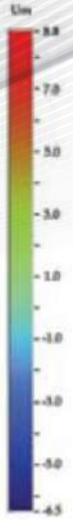
Surface Treatment of MGM Implant is M-Pure Surface surface treatment with Aluminium Oxide

## Dimensional Interactive Display

Date: 07/20/2009
Time: 16:18:25

Title: OIMF4109
Note: 1





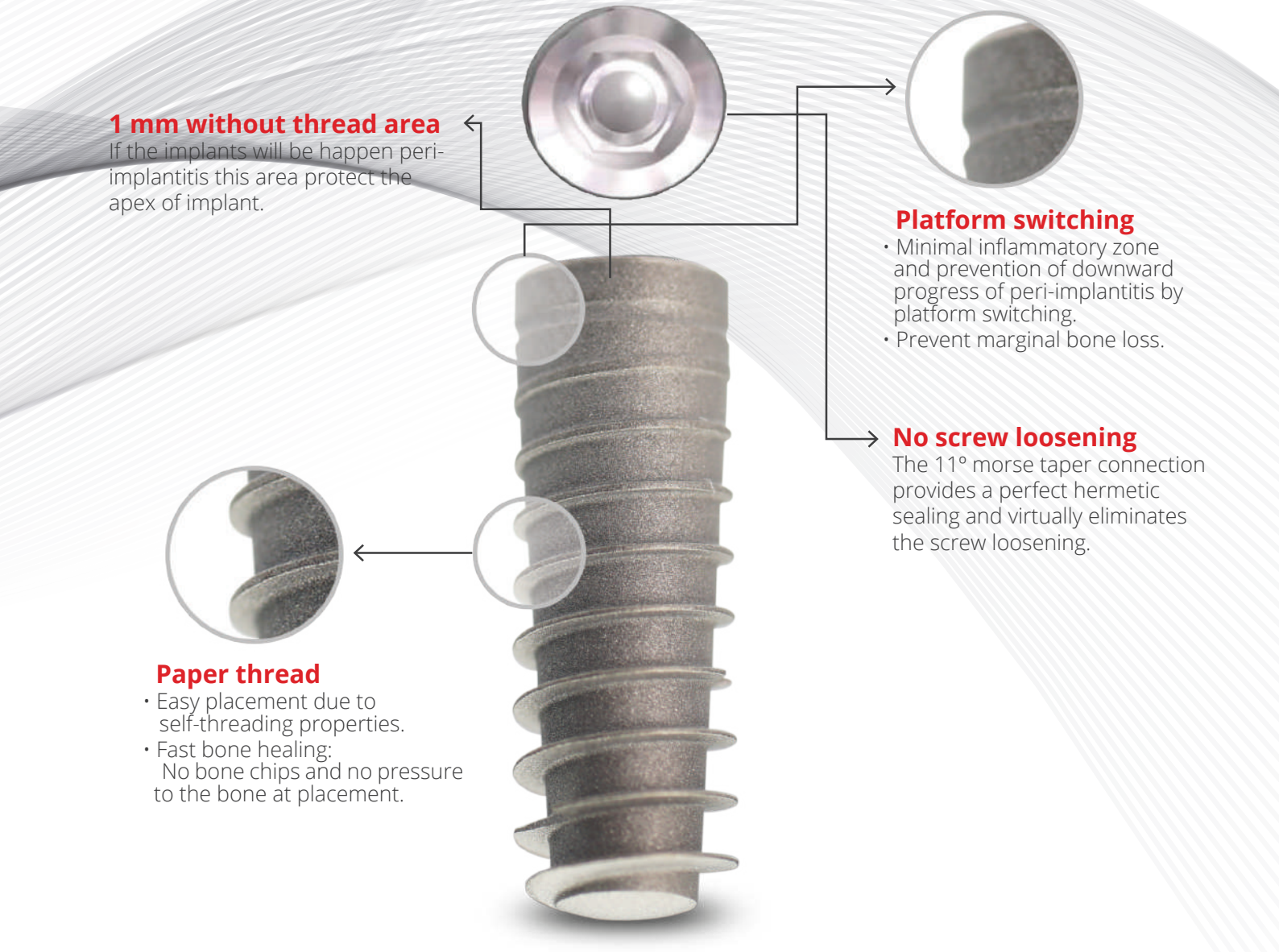
**Surface Stats:**
Ra: 1.68um
Rq: 1.81um
Rt: 15.35

**Measurement Info:**
Magnification: 19.86
Measurement Mode: VSI
Sampling: 498.41 nm
Array Size: 640x480

Roughness Value is Ra 1.42 - 1.74 which is ideal value of M-Pure Surface treatment for OSSEOINTEGRATION

# ADVANTAGES
## MGM IMPLANT PAPER THREAD DESIGN

- No bone chips at the time of placement - Fast bone healing
- No stresses to the bone at the time of placement - Fast bone healing
- Excellent initial stability through the morphological contact - not the traditional condensation pressure Inital stability regardless of  nal torque levels imposed at the placement in all bone type
- Reduction in a load due to a wide surface - Reduction in failures during bone remodeling
- No chance of shearing forces - Reduction in failures during bone remodeling



**1 mm without thread area**
If the implants will be happen peri-implantitis this area protect the apex of implant.

**Platform switching**
- Minimal inflammatory zone and prevention of downward progress of peri-implantitis by platform switching.
- Prevent marginal bone loss.

**No screw loosening**
The 11° morse taper connection provides a perfect hermetic sealing and virtually eliminates the screw loosening.

**Paper thread**
- Easy placement due to self-threading properties.
- Fast bone healing: No bone chips and no pressure to the bone at placement.

# FIXTURE SIZE

Predictable and immaculate cleaning is achieved by regular tests and the MGM Implant processing protocols.

## Fixture Diameter Ø3.4

(Unit:mm)

| Diameter | Length | Codes |
|---|---|---|
| **Ø3.4** | 9 | MGM3409 |
| | 11 | MGM3411 |
| | 13 | MGM3413 |

## Fixture Diameter Ø3.8

(Unit:mm)

| Diameter | Length | Codes |
|---|---|---|
| **Ø3.8** | 7 | MGM3807 |
| | 9 | MGM3809 |
| | 11 | MGM3811 |
| | 13 | MGM3813 |

## Fixture Diameter Ø4.3

(Unit:mm)

| Diameter | Length | Codes |
|---|---|---|
| **Ø4.3** | 7 | MGM4307 |
| | 9 | MGM4309 |
| | 11 | MGM4311 |
| | 13 | MGM4313 |

## Fixture Diameter Ø4.8

(Unit:mm)

| Diameter | Length | Codes |
|---|---|---|
| **Ø4.8** | 7 | MGM4807 |
| | 9 | MGM4809 |
| | 11 | MGM4811 |
| | 13 | MGM4813 |

# QUALITY TAKES TEAMWORK

MGM IMPLANT

MADE IN GERMANY

# YELLOW PROSTETIC PARTS

**MGM 3.4 Implant**
**MGM 3.8 Implant**

Gingiva Former

Straight Abutment

Angled Abutment

Plastic Abutment

Ball Attachment

M-L Abutment

Impression Coping
(Transfer Type)

Impression Coping
(Pick-up Type)

Lab Analog

# BLUE
# PROSTETIC PARTS

**MGM 4.3 Implant**
**MGM 4.8 Implant**

Gingiva Former

Straight Abutment

Angled Abutment

Plastic Abutment

Ball Attachment

M-L Abutment

Impression Coping
(Transfer Type)

Impression Coping
(Pick-up Type)

Lab Analog

# GINGIVA FORMER

- Forming gingival shape after osseontegration.
- Tightening it by using 1.2 Hexa Driver and Torque Ratchet (5N10-N)

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8

(Unit:mm)

| Diameter | Cuff | Code |
|---|---|---|
| **D-Ø4.5** | 1 | MHLY 4501 |
| | 2 | MHLY 4502 |
| | 3 | MHLY 4503 |
| | 4 | MHLY 4504 |
| | 5 | MHLY 4505 |
| **D-Ø5.5** | 1 | MHLY 5501 |
| | 2 | MHLY 5502 |
| | 3 | MHLY 5503 |
| | 4 | MHLY 5504 |
| | 5 | MHLY 5505 |

Fixture Diameter Ø4.3
Fixture Diameter Ø4.8

(Unit:mm)

| Diameter | Cuff | Code |
|---|---|---|
| **D-Ø4.5** | 1 | MHLB 4501 |
| | 2 | MHLB 4502 |
| | 3 | MHLB 4503 |
| | 4 | MHLB 4504 |
| | 5 | MHLB 4505 |
| **D-Ø5.5** | 1 | MHLB 5501 |
| | 2 | MHLB 5502 |
| | 3 | MHLB 5503 |
| | 4 | MHLB 5504 |
| | 5 | MHLB 5505 |

# STRAIGHT ABUTMENT

- Two piece type abutment
- Connect it using 1.2 hexa driver (25N-cm)

| Code | |
|---|---|
| **Screw** | MCSY |

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8

(Unit:mm)

| Diameter | Cuff | Code |
|---|---|---|
| **D-Ø4.5** | 1 | MOSHY 4518 |
| | 2 | MOSHY 4528 |
| | 3 | MOSHY 4538 |
| | 4 | MOSHY 4548 |

ABUTMENT INCLUDING SCREW

| Code | |
|---|---|
| **Screw** | MCSB |

Fixture Diameter Ø4.3
Fixture Diameter Ø4.8

(Unit:mm)

| Diameter | Cuff | Code |
|---|---|---|
| **D-Ø4.5** | 1 | MOSHB 4518 |
| | 2 | MOSHB 4528 |
| | 3 | MOSHB 4538 |
| | 4 | MOSHB 4548 |

ABUTMENT INCLUDING SCREW

# ANGLED ABUTMENT

- Used to make up for the direction of the fixture placed.
- Connect it using 1.2 Hexa Driver (25N-cm)

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8

(Unit:mm)

| Diameter | Angle | Cuff | Code |
|---|---|---|---|
| D-Ø4.5 | A15° | 1 | MISAY 45115 |
| | | 2 | MISAY 45215 |
| | | 3 | MISAY 45315 |
| | | 4 | MISAY 45415 |
| | A25° | 1 | MISAY 45125 |
| | | 2 | MISAY 45225 |
| | | 3 | MISAY 45325 |
| | | | MISAY 45425 |

Fixture Diameter Ø4.3
Fixture Diameter Ø4.8

(Unit:mm)

| Diameter | Angle | Cuff | Code |
|---|---|---|---|
| **D-Ø4.5** | **A15°** | 1 | MISAB 45115 |
| | | 2 | MISAB 45215 |
| | | 3 | MISAB 45315 |
| | | 4 | MISAB 45415 |
| | **A25°** | 1 | MISAB 45125 |
| | | 2 | MISAB 45225 |
| | | 3 | MISAB 45325 |
| | | | MISAB 45425 |

# BALL ATTACHMENT

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8

(Unit:mm)

| Diameter | Cuff | Code |
|---|---|---|
| | 1 | MGMY-BA001 |
| | 2 | MGMY-BA002 |
| | 3 | MGMY-BA003 |
| | 4 | MGMY-BA004 |
| | 5 | MGMY-BA005 |

Fixture Diameter Ø4.3
Fixture Diameter Ø4.8

(Unit:mm)

| Diameter | Cuff | Code |
|---|---|---|
| | 1 | MGMB-BA001 |
| | 2 | MGMB-BA002 |
| | 3 | MGMB-BA003 |
| | 4 | MGMB-BA004 |
| | 5 | MGMB-BA005 |

# BALL ABUTMENT STEEL CAP

| Code |
| --- |
| MGMBAH |

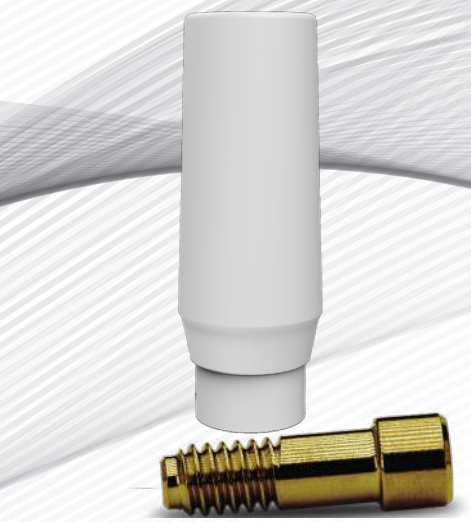
# BALL ABUTMENT PLASTIC CAP

| Code | |
| --- | --- |
| MGMBAWP | MGMBAPP |

# PLASTIC ABUTMENT

- Screw-retained type abutment which uses abutment screw to fix prosthesis.
- Used when path, aesthetics, or space have limitations
- 1.2 hex driver

## Non-Hex



Fixture Diameter Ø3.4
Fixture Diameter Ø3.8

| Diameter | Code |
|---|---|
| **D-Ø4.5** | MFUCNY4501 |

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8

(Unit:mm)

| Diameter | Code |
|---|---|
| **D-Ø4.5** | MFUCNY4501 |

# CLOSED TYPE IMPRESSION COPING

- Used when working cast is designed, and has same inner-connection structure as the fixture
- Used with close tray when taking fixture level impression
- Used with open type tray when taking fixture level impression
- Tighten it by using 1.2 hexa driver and torque ratchet (10N-cm)

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8

(Unit:mm)

| Diameter | Length | Code |
|---|---|---|
| **D-Ø4.5** | 14.9 (Long) | MICYT45L |

Fixture Diameter Ø4.3
Fixture Diameter Ø4.8

(Unit:mm)

| Diameter | Length | Code |
|---|---|---|
| **D-Ø4.5** | 14.9 (Long) | MICBT45L |

# OPEN TYPE IMPRESSION COPING

• Used when working cast is designed, and has same inner-connection structure as the fixture
• Used with close tray when taking fixture level impression
• Used with open type tray when taking fixture level impression
• Tighten it by using 1.2 hexa driver and torque ratchet (10N-cm)

Pick-up Type

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8 (Unit:mm)

| Diameter | Length | Code |
|---|---|---|
| **D-Ø4.5** | 14.9 (Long) | MICYT45L |

Pick-up Type

Fixture Diameter Ø4.3
Fixture Diameter Ø4.8 (Unit:mm)

| Diameter | Length | Code |
|---|---|---|
| **D-Ø4.5** | 14.9 (Long) | MICYT45L |

# ANALOG

- Designed to replicate the exact positon and exact external and internal anatomy of chosen implant for the laboratory.

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8 (Unit:mm)

| Diameter | Code |
|---|---|
| **D-Ø4.5** | MLAY 3401 |

Fixture Diameter Ø4.3
Fixture Diameter Ø4.8 (Unit:mm)

| Diameter | Code |
|---|---|
| **D-Ø4.5** | MLAB 4301 |

# MATCHLESS GERMAN MANUFACTURING

MGM IMPLANT

# M-L ABUTMENT

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8

(Unit:mm)

| Diameter | Cuff | Code |
|---|---|---|
| | 1 | MGMY-LA001 |
| | 2 | MGMY-LA002 |
| | 3 | MGMY-LA003 |
| | 4 | MGMY-LA004 |
| | 5 | MGMY-LA005 |

# M-L ABUTMENT

Fixture Diameter Ø4.3
Fixture Diameter Ø4.8

(Unit:mm)

| Diameter | Cuff | Code |
|---|---|---|
| | 1 | MGMB-LA001 |
| | 2 | MGMB-LA002 |
| | 3 | MGMB-LA003 |
| | 4 | MGMB-LA004 |
| | 5 | MGMB-LA005 |

# M-L ABUTMENT IMPRESSION COPING

| Code |
| --- |
| MGMLIC |

# M-L ABUTMENT ANALOG

| Code |
| --- |
| MGMLA |

# M-L ABUTMENT STEEL CAP

| Code |
| --- |
| MGMLC |

# M-L ABUTMENT PLASTIC CAP

| Code |
| --- |
| MGMLCP |

# SCREW-RETAINED YELLOW ABUTMENTS

**MGM 3.4 Implant**
**MGM 3.8 Implant**

Gingiva Former

Multi-Unit Abutment

Multi-Unit Angled Abutment

T-Base

Scan Body

Pre Mill Abutment

Multi- Unit Scan Body

Screw Abutment Impression (Transfer Type)

Screw Abutment Impression (Pick-up Type)

Multi- Unit Digital Analog

Bar Analog

Plastic Cylinder

Temporary Cylinder

# SCREW-RETAINED BLUE ABUTMENTS

**MGM 4.3 Implant**
**MGM 4.8 Implant**

Gingiva Former

Multi-Unit Abutment

Multi-Unit Angled Abutment

T-Base

Scan Body

Pre Mill Abutment

Multi- Unit Scan Body

Screw Abutment Impression (Transfer Type)

Screw Abutment Impression (Pick-up Type)

Multi- Unit Digital Analog

Bar Analog

Plastic Cylinder

Temporary Cylinder

# MULTI-UNIT ANGLED ABUTMENT

- Used in screw type prosthetics in multiple cases.

Fixture Diameter Ø4.3
Fixture Diameter Ø4.8

(Unit:mm)

| Diameter | Cuff | 17° | 30° |
|---|---|---|---|
| | | Hex | Hex |
| Ø4.5 | 1.5 | MMUABH 451517 | - |
| | 3 | MMUABH 453017 | MMUABH 453030 |
| | 4.5 | MMUABH 454517 | MMUABH 454530 |

# MULTI-UNIT ANGLED ABUTMENT

- Used in screw type prosthetics in multiple cases.

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8

(Unit:mm)

| Diameter | Cuff | 17° | 30° |
|---|---|---|---|
| | | Hex | Hex |
| Ø4.5 | 1.5 | MMUAYH 451517 | - |
| | 3 | MMUAYH 453017 | MMUAYH 453030 |
| | 4.5 | MMUAYH 454517 | MMUAYH 454530 |

# MULTI-UNIT ABUTMENT

- Used in screw type prosthetics in multiple cases.

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8

(Unit:mm)

| Diameter | Cuff | Code |
|---|---|---|
| **Ø4.5** | 1.5 | MMUHY 4515 |
| | 3 | MMUHY 4530 |
| | 4.5 | MMUHY 4545 |

Fixture Diameter Ø4.3
Fixture Diameter Ø4.8

(Unit:mm)

| Diameter | Cuff | Code |
|---|---|---|
| **Ø4.5** | 1.5 | MMUHB 4515 |
| | 3 | MMUHB 4530 |
| | 4.5 | MMUHB 4545 |

# MULTI-UNIT ABUTMENT CAP

- Use to protect the abutment in the patients mouth and minimize the discomfort for the patient

| Diameter | Code |
|---|---|
| Ø4.5 | MUHC45 |

Retaining Screw

| Diameter | Code |
|---|---|
| Ø2.5 | MSMUA |

# MULTI-UNIT ABUTMENT PLASTIC CYLINDER

- Replacement of abutment shape in cast model

| Diameter | Code |
|---|---|
| Ø4.5 | MMUAYN 4510 |

Retaining Screw

| Diameter | Code |
|---|---|
| Ø2.5 | MSMUA |

# MULTI-UNIT ABUTMENT TEMPORARY CYLINDER

- Used in producing temporary prosthetic with aesthetic abutment
- Structure allows for easy customization and minimization of indication constraints
- 1.2 hex driver

Temporary Cylinder

| Diameter | Code |
|---|---|
| Ø4.5 | MUTCN45 |

Retaining Screw

| Diameter | Code |
|---|---|
| Ø2.5 | MSMUA |

# MULTI-UNIT LAB ANALOG

- Replacement of abutment shape in cast model

Non Hex

| Diameter | Code |
|---|---|
| **Ø4.5** | MULAN45 |

Hex

| Diameter | Code |
|---|---|
| **Ø4.5** | MULAH45 |

# MULTI-UNIT IMPRESSION COPING

- Pick-up type impression-taking process using custom tray (Open tray)
- Use with an Open-tray
- Use with 1.2 Hexa Driver

Impression Pick-up

| Diameter | Code |
|---|---|
| **Ø4.5** | MUICPN45 |

- Transfer type impression taking process using ready-made tray (Close Tray)
- Use with a Closed - tray
- Use with 1.2 Hexa Driver

Impression Transfer

| Diameter | Code |
|---|---|
| **Ø4.5** | MUICTN45 |

# MGM DIGITAL

## T-BASE

Hex

| Fixture Diameter Ø3.4<br>Fixture Diameter Ø3.8 | Fixture Diameter Ø4.3<br>Fixture Diameter Ø4.8 |
|---|---|
| Code | Code |
| MGMTY | MGMTB |

Non Hex

| Fixture Diameter Ø3.4<br>Fixture Diameter Ø3.8 | Fixture Diameter Ø4.3<br>Fixture Diameter Ø4.8 |
|---|---|
| Code | Code |
| MGMTNY | MGMTNB |

## V-BASE

| Diameter | Cuff | Code |
|---|---|---|
| **Ø4.5** | 1.5 | MGMMV4515 |
| | 3 | MGMMV4530 |
| | 4.5 | MGMMV4545 |

# SCAN BODY

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8

| Code |
| --- |
| MGMSY |

Fixture Diameter Ø4.3
Fixture Diameter Ø4.8

| Code |
| --- |
| MGMSB |

# MULTI- UNITSCAN BODY

| Code |
| --- |
| MGMMUSY |

| Code |
| --- |
| MGMMUSB |

# DIGITAL ANALOG

| Code |
| --- |
| MDAY |

| Code |
| --- |
| MDAB |

# PRE MILL ABUTMENT

Fixture Diameter Ø3.4
Fixture Diameter Ø3.8

| Code |
| --- |
| MGMPMY |

Fixture Diameter Ø4.3
Fixture Diameter Ø4.8

| Code |
| --- |
| MGMPMB |

# MULTI-UNIT DIGITAL ANALOG

| Diameter | Code |
|---|---|
| **Ø4.5** | MGMMUDA |

V- BASE

T- BASE

# MULTI- UNIT T-BASE

| Code |
|---|
| MGMMUT |

# SCREW 1.2 HEXA DRIVER

| Code |
| --- |
| MGMHD1.2 L |
| MGMHD1.2 S |

# TORQUE RACHET

| Code |
| --- |
| MGM-RCD010 |

# MULTI-UNIT ABUTMENT DRIVER

| Code |
| --- |
| MUSAD |

# KITS DRILLS

| Code |
| --- |
| MGM2513 |

| Code |
| --- |
| MGM3413 |

| Code |
| --- |
| MGM3813 |

| Code |
| --- |
| MGM4313 |

| Code |
| --- |
| MGM4813 |

# HAND DRIVER

| Code | |
| --- | --- |
| MGMHDSY | MGMHDLY |

| Code | |
| --- | --- |
| MGMHDSB | MGMHDLB |

# DENTAL IMPLANT BIG SURGICAL KIT

| Code |
| --- |
| MGMSKB |

# DENTAL IMPLANT SMALL SURGICAL KIT

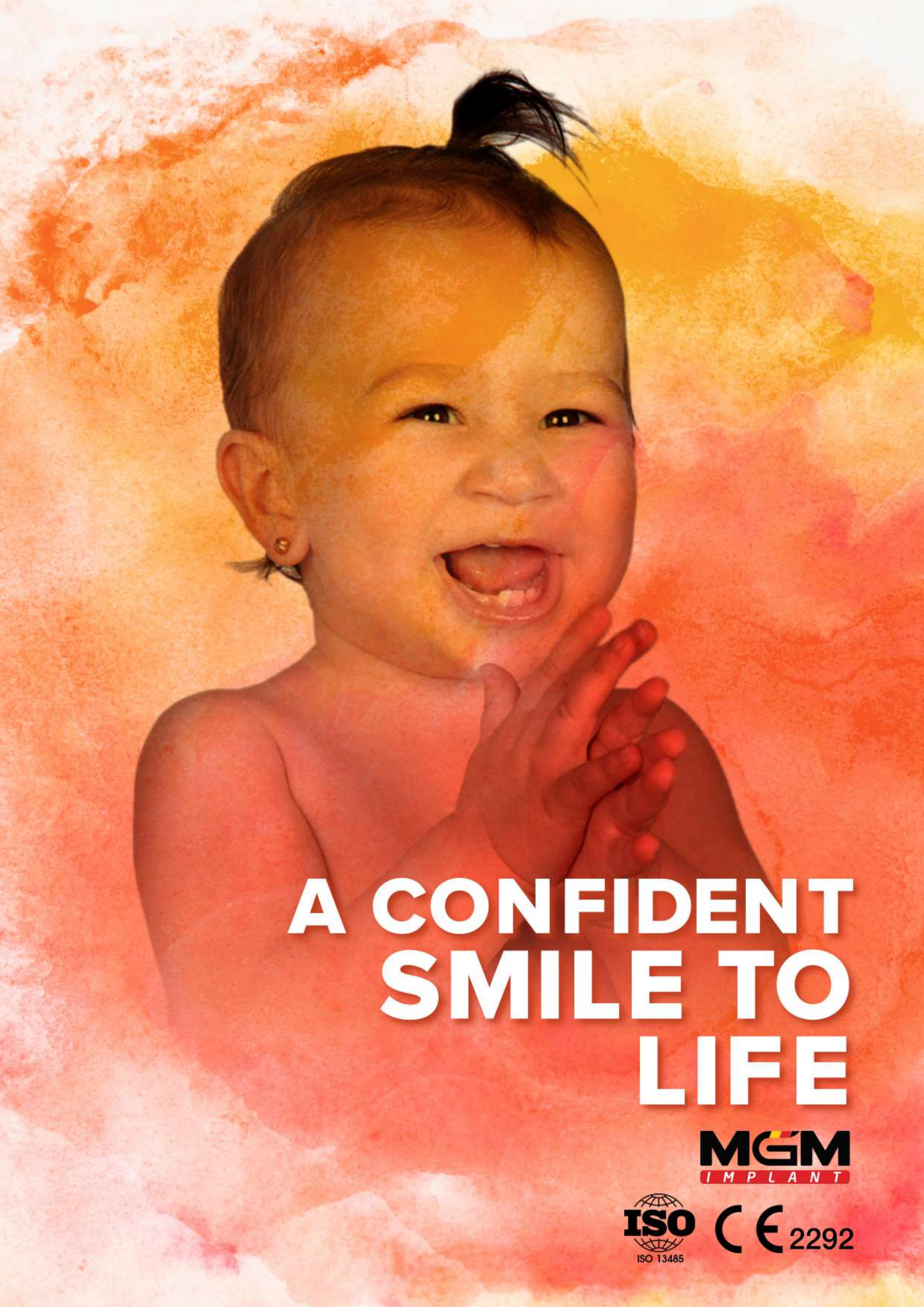
| Code |
| --- |
| MGMSKS |

# IMPLANT BOX

# ABUTMENT PACKAGES

Product Name

Code


A CONFIDENT
SMILE TO
LIFE
MGM
IMPLANT
ISO
ISO 13485
CE 2292