

Website Structure (Sitemap) for Premium Dental Implant Brand

◆ 1. Home Page

- Hero section with brand video or animation
 - Short intro + 3 USP highlights
 - Button to product catalogue
 - Featured products / technologies
 - Testimonials or success stories
 - Footer with quick links
-

◆ 2. About Us

PHOTO FOR THE FACTORY



Our Story

About Us

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 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 Hilden, akchen and strong sales and service network reaching out each point off all the world and significant amount of know how we have gained the field, since 2008.

- our company's portfolio offers solutions from single tooth to fully edentulous indications with dental implant systems (including key brands MGM and MGM PLUS and ONE PIECE IMPLANTS (MGM ONE) a comprehensive range of high-precision individualized prosthetics and ACTIVATORS systems (MGM ACTIVE), digital solutions for treatment planning and guided surgery (MGM GUIDED SOLUTIONS) as well as biomaterials.

MGM NEVER STOPPE PROMOTING 4 PROGRRAMS

A) I innovate

program that provide our customers with the latest new technologies by our R&D department and scientific team .

b) I learn :

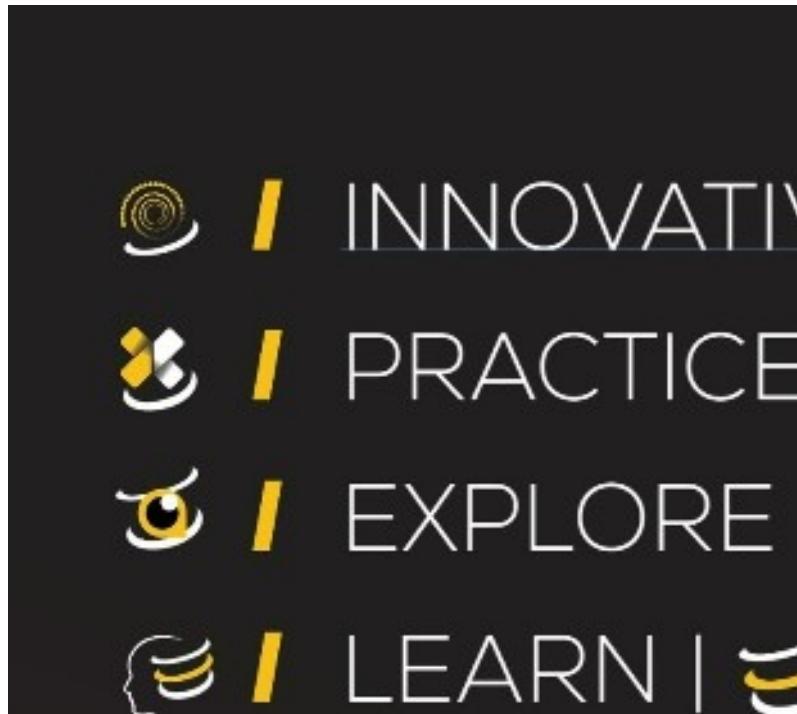
program that provide ourcustomers with latest techniques and training supports for helping them in better and unique trial using of ur products every time .

c) I explore :

program that provide our customers to be in contact with them through our exhibitions , scientific events and international congresses for showing them the updates and listening to their needs .

d) I practice :

program that provide our customers the experiment to share with us their cases challenges also their clinical studies.



- Vision & Mission:
BUILDING SMART ,EASY, AND SAFE IMPLANT IS OUR MAIN GOAL TO
FACILIATE OUR PATIENT AND DOCTORS LIFE

MGM IS A WORLD CLASS BRAND
STARTING IN 2008 PRDUCTION OF THE SMARTEST AND EASIEST AND BEST BONE
FRIENDLY IMPLANTS THAT FITS THE REQUIRES OF OUR DOCTORS NEEDS .

- *Changing industry standards*
- MGM has been responsible for several innovative products that have since become industry-leading standards BY USING MATCHLESS GERMAN MANUFACTURES
- *Innovating for the future*
- Although implants are now the first and preferred treatment option for tooth loss, the process remains time-consuming, invasive, and expensive.

Therefore, MGM initiated OUR 4 MAIN PROGRAMMS project to create the revolution in implant dentistry using the latest materials and technologies to develop a new paradigm for implant dentistry that is easier, safer, faster, and more economical for both patients and clinicians.

-

Manufacturing & Quality Standards

"Great manufacturing starts with great quality MEANS Excellence in every process, perfection in every product.

Quality manufacturing builds trust, one product at a time Precision today, reliability tom "Using advanced machines like TORNOS in dental implant manufacturing ensures unmatched precision, consistency, and reliability—key factors for patient safety and long-lasting results." Strong foundations come from strong quality."

- "TORNOS technology brings unmatched precision to dental implant manufacturing."
- "High accuracy means safer, longer-lasting dental implants."
- every PRODUCT meets the highest standards of quality."
- "Advanced Swiss engineering for reliable dental solutions."
- "Consistency and precision: thE advantage in implant production."
- "Cutting-edge manufacturing for healthier, confident smiles."
- ensures excellence in every dental implant we create. "Where innovation meets reliability in dental implant technology."
- RAW MATERIAL
-

- "Strong smiles start with strong materials. In dental implants, the quality of raw materials defines safety, durability, and patient confidence. Using premium-grade titanium ensures perfect biocompatibility, resistance to corrosion, and seamless integration with bone. With the right raw materials, every implant becomes a promise of long-lasting performance and healthier smiles."



-
-
- IN MGM Only materials that meet the highest international standards move forward to production — guaranteeing implants that are not only reliable but built to last."
- **OUR RAW MATERIAL SHOULD PASS THESE TESTS:**
 - **Test Type**
 - Material Composition
 - Mechanical Testing
 - Dimensional Accuracy
 - Surface Characterization
 - Cleanliness & Sterility
 - Biocompatibility
 - Packaging Integrity
 -
 - **Purpose**
 - Ensure correct alloy/material
 - Assess strength and fatigue
 - Precision fit and tolerance
 - Promote osseointegration
 - Infection control
 - Biological safety
 - Maintain sterility during transport



QUALITY CONTROL

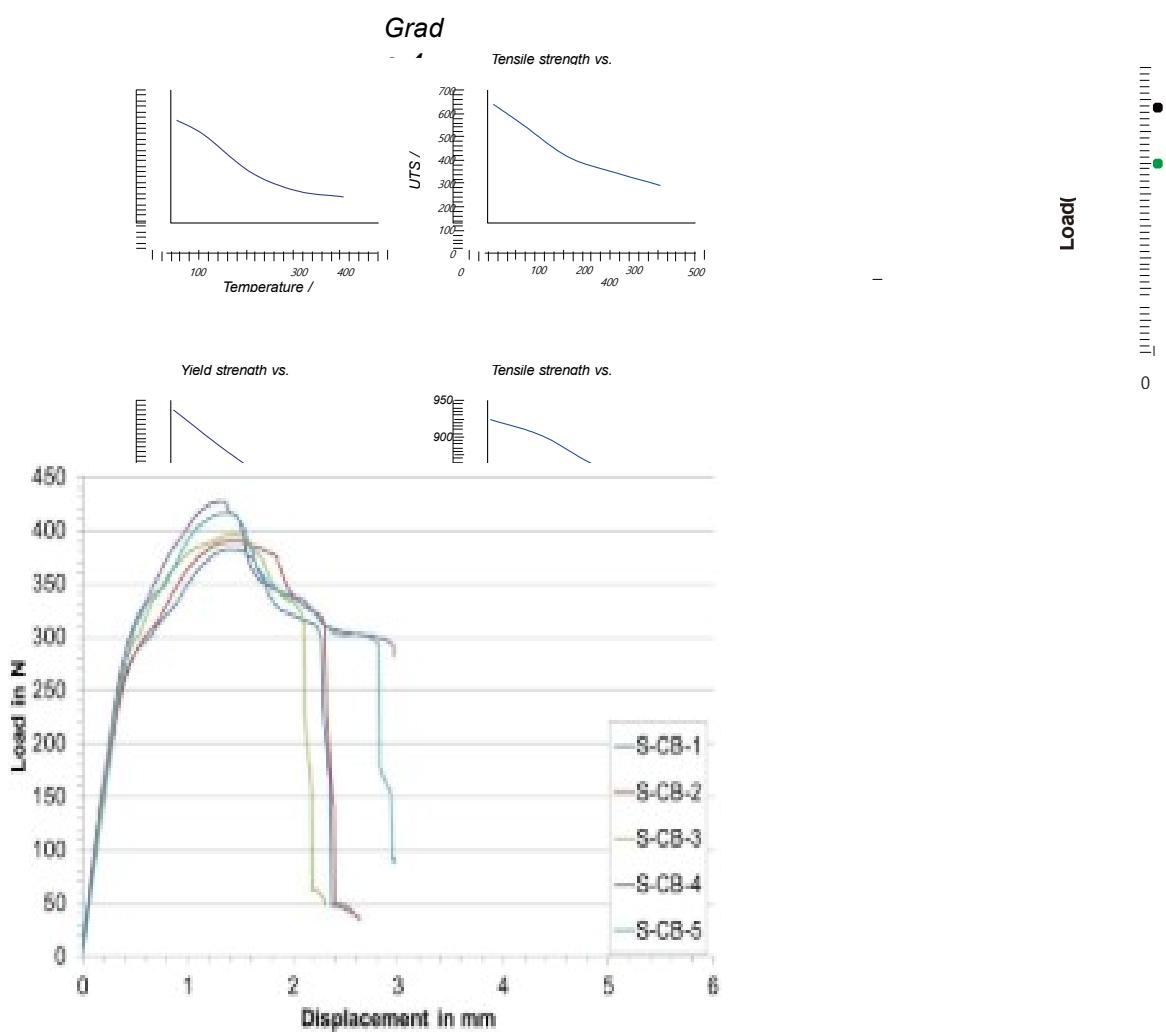
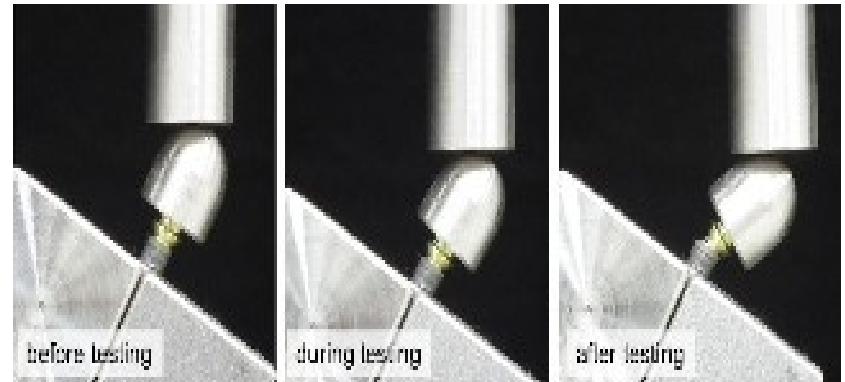
Each product we produce is checked by cutting-edge digital software, laser and optical inspection systems. Our quality controls and process management are not based on a percentage of the LOTS, but rather on 100% precise control of EACH product.

The compliance of our products with manufacturing standards is evaluated in

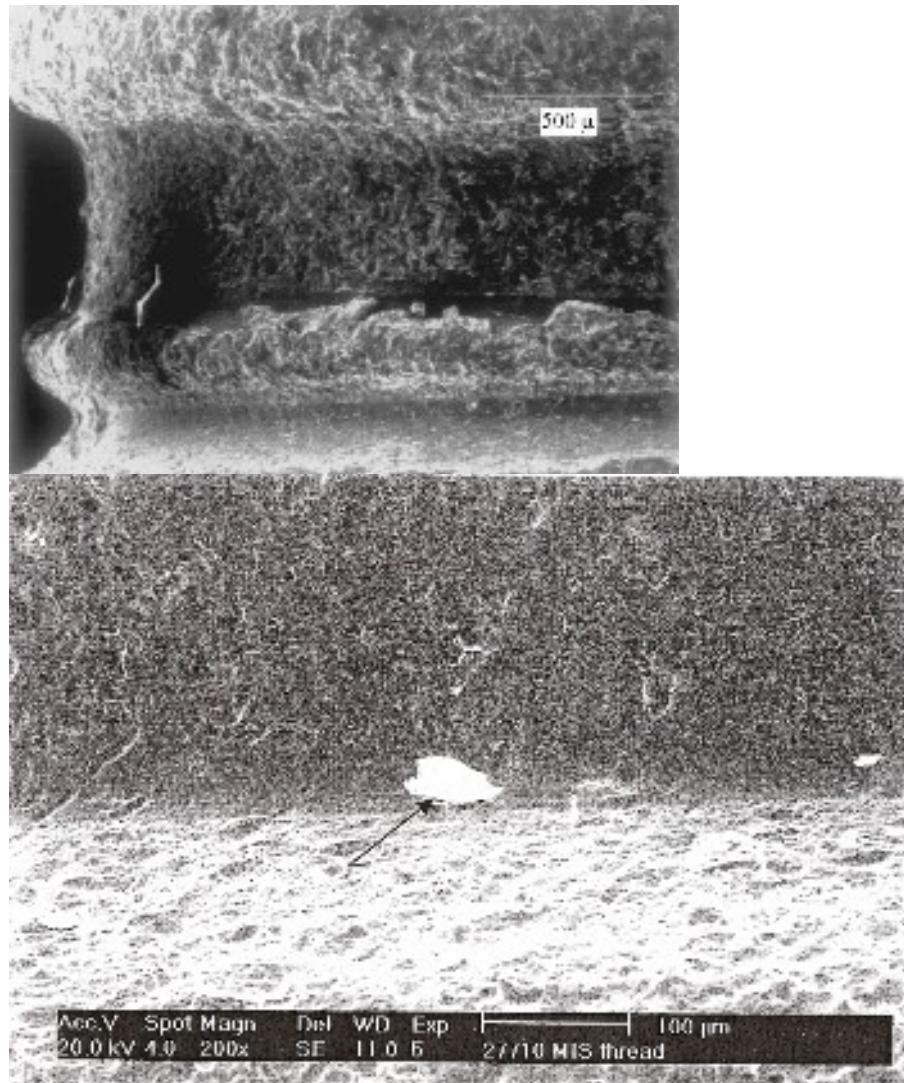
university laboratories, which are accredited in line with international quality certifications.

The evaluations are as follows:

- fracture test in which stress distributions, load distributions, and tensile distributions are evaluated
- tolerance test in which angulation limits and resistance limits are determined



- surface test with surface residue analyses and micro-roughness control



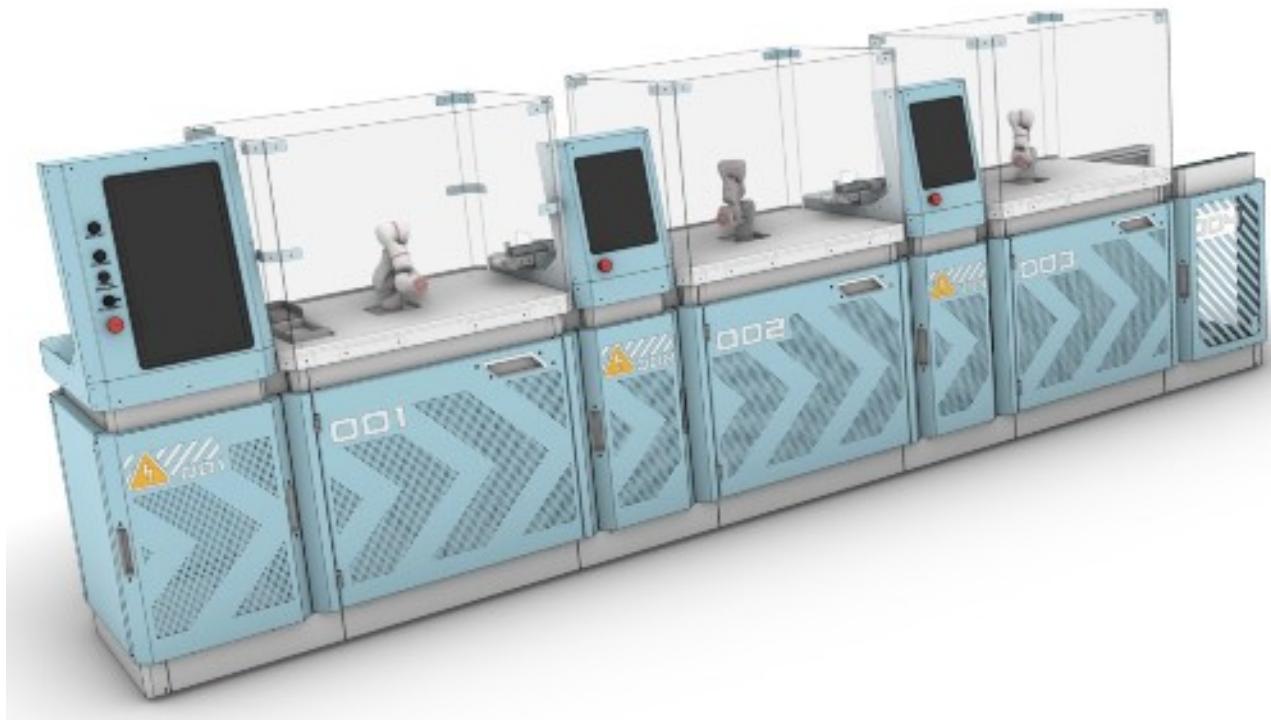
Cleanliness and Sterility Tests

Purpose: Ensures implants are free

from biological and chemical contaminants.



- **TOTALLY AUTOMATED** sealing test where the sterilization process is checked shelf-life test for accurate determination of shelf-life without bacterial growth



Why Choose Us

1. **Uncompromised Quality:** Only top-grade raw materials, thoroughly tested for strength, purity, and biocompatibility.
 2. **Advanced Technology:** Precision manufacturing with cutting-edge machines .
 3. **Rigorous Testing:** Every batch undergoes mechanical, chemical, and safety tests to ensure zero defects.
 4. **International Standards:** Certified processes (ISO, CE, FDA) that meet global healthcare requirements.
 5. **Expert Team:** Skilled engineers, researchers, and dental specialists driving continuous innovation.
 6. **Long-Term Reliability:** Implants built for durability, stability, and patient trust.
 7. **Customized Solutions:** Wide range of implant designs tailored for different clinical needs.
 8. **Sustainable Manufacturing:** Eco-friendly practices and responsible sourcing of materials.
 9. **Global Reach:** Trusted by dental professionals across multiple countries.
 10. **Innovation Driven:** Continuous R&D investment for next-generation dental solutions.
 11. **Patient-Centered Approach:** Every implant designed with safety, comfort, and performance in mind.
 12. **Proven Track Record:** Years of success in delivering reliable dental implants worldwide.
 13. 100 % LIFE TIME GURANTEE.
 14. **Biocompatibility First:** 100% safe for the human body, ensuring natural integration.
 15. **Consistency You Can Trust:** Same high standard in every single implant.
 16. **Innovation at Core:** Always upgrading technology to stay ahead.
 17. **Strong Partnerships:** Trusted by top dental clinics and surgeons worldwide.
 18. **Education & Support:** Training programs and technical support for dental professionals.
 19. **Attention to Detail:** Every step in production is carefully monitored.
 20. **Fast Delivery:** Reliable supply chain and on-time global shipping.
 21. **Competitive Advantage:** World-class quality at highly competitive prices.
 22. **Future Ready:** Designing implants for the next generation of dental care.
-
- Certifications (ISO, CE, FDA)

certifications are a reflection of our commitment to excellence. Every dental implant we manufacture complies with the highest international standards, including ISO, CE, and FDA approvals. These certifications guarantee that our products meet strict requirements for safety, quality, and reliability. By choosing us, you are choosing a partner whose processes are transparent, audited, and globally recognized — ensuring confidence and trust in every implant."

INTERNATIONAL FIRST CERTIFICATION



CERTIFICATE

AAD DENTAL GERMANY

Gesellschaft für Ärzte und Zahnärzte

IFC Global Certification has verified the above named organization's management system has been assessed and complies with the requirements of the following standard:

ISO 13485:2016

Scope:

DESIGN, MANUFACTURE, SUPPLY AND SUPPORT OF MEDICAL INSTRUMENTS and ASSISTED DENTAL AND DENTAL PROSTHESSES

Initial Date: 04.12.2017
Review Date: 04.12.2017
Re-evaluation Date: X
Date of validity: 04.12.2017
Expiry Date: 04.12.2017
Certification No: 01000-00000000000000



IFC Global Certification is accredited by the following accreditation bodies:



Vorname und Nachname des Antragstellers	Abteilung II Wiederholung der aktiven Registrierung Ablauf vom 01.03.2024 bis 06	Nummer der Firma HRB 87657
Abdruck	Seite 1 von 2	

1. Anzahl der bisherigen Eintragungen:
 1
 2 Firma:
 AG/ Aktiengesellschaft
 BGB/ Handelsgesellschaft, Inhabergesellschaft, ertragsgerechte Person, Zweigniederlassungen:
 Güter
 Geschäftsbüro mit Warenbeständen
 Dependenz des Unternehmens:
 Sie firmiert unter dem Namen eines Zahnarztes
 Grund- oder Vermögenskapital:
 240.000,00 EUR
 3. Allgemeine Veröffentlichungsangabe:
 Es hat ein Gesellschafter bestellt, so vertritt er die Gesellschaft allein. Sind mehrere Geschäftsführer bestellt, so wird die Gesellschaft durch zwei Geschäftsführer oder durch einen Geschäftsführer gemeinsam mit einem Prokuristen vertreten.
 4) Handels-, Laufreisegesetz, geschäftsführende Direktoren, persönlich haftende Gesellschafter, Geschäftsführer, Namensgebungsbeauftragte und bestehende Verantwortungsbefugte:
 Ein Namensgebungsbeauftragter mit der Beifügung im Namen der Gesellschaft mit sich im eigenen Namen oder als Vertreter eines Dritten Rechtsgeschäfte abschließen.
 Geschäftsführer: Autoren, Name: Christian, *01.07.1987
 5. Prokura:
 6. a) Rechtsholm, Regeln, Balancier oder Geschäftsführervertrag:
 Gesellschaft mit beschränkter Haftung
 Geschäftsführervertrag vom 11.04.2019
 Zustand geprüft durch: BGB-Klausur vom 20.03.2023
 b) Sonstige Rechtsverhältnisse:

 7. a) Tag der letzten Eintragung:
-

◆ 3. Products

Dropdown menu with categories:

▫ Implants

1. MGM IMPLANT



- MGM CONNECTION

Implant Design



Smart Connection

The Morse taper connection with 11° angle in MGM Implants, is a highly precise internal conical connection used in dental implants. This design has a lot of clinical advantages in both mechanical stability and biological outcomes.



The main benefits of an 11° Morse taper connection in MGM implants:-

Superior Mechanical Stability

Cold welding effect: The 11° angle provides a strong mechanical lock due to the friction fit between the implant and abutment, minimizing micromovement.

Prevention of screw loosening: Reduced need for abutment screws or lower chance of screw loosening if screws are used.

Improved Sealing (Bacterial Seal)

The tight fit at the conical interface minimizes or eliminates the microgap, which helps prevent bacterial infiltration which reduces the risk of peri-implantitis and preserves the crestal bone.

Enhanced Bone Preservation

The seal and mechanical stability lead to reduced inflammatory response and crestal bone loss over time.

Maintains the biological width and supports better soft tissue adaptation.

Better Force Distribution

The conical design distributes occlusal forces more evenly along the implant body. Reduces stress concentration at the crestal bone level, enhancing long-term implant success.

Esthetic and Prosthetic Advantages

Platform switching is often built into Morse taper systems, aiding in soft tissue preservation. Allows for more aesthetic emergence profiles and soft tissue support in the esthetic zone.

Proven Long-Term Success

Clinical studies show that Morse taper implants (including 11° types) have excellent survival rates and low complications over the long term.

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The MGM Implants "M Pure" surface treatment is a moderately rough surface modification technology designed to enhance osseointegration while maintaining high biocompatibility.

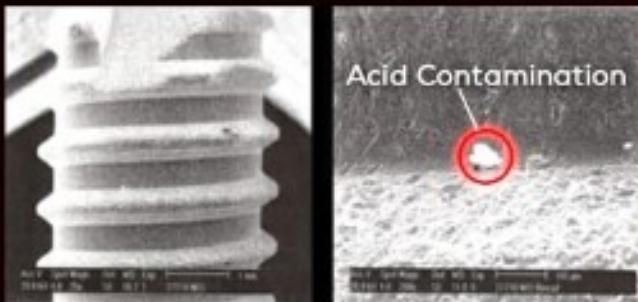
"M Pure" Surface

MGM®
IMPLANT

Made in
Germany

Always Pure

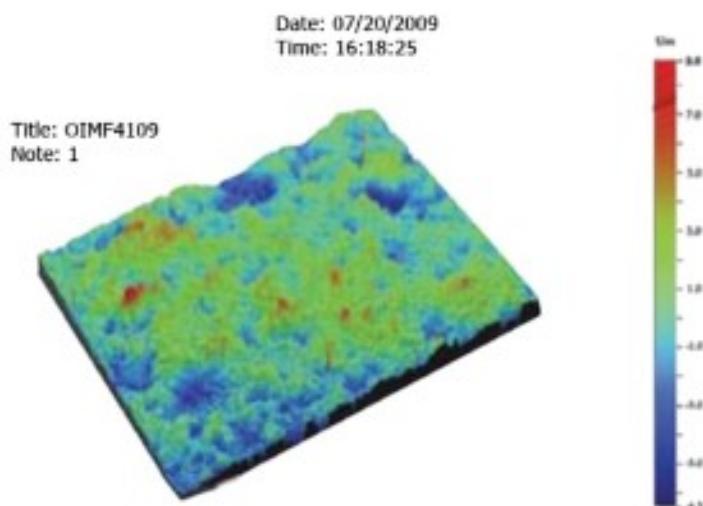
**M-Pure Surface, NO ACID
CONTAMINATION**



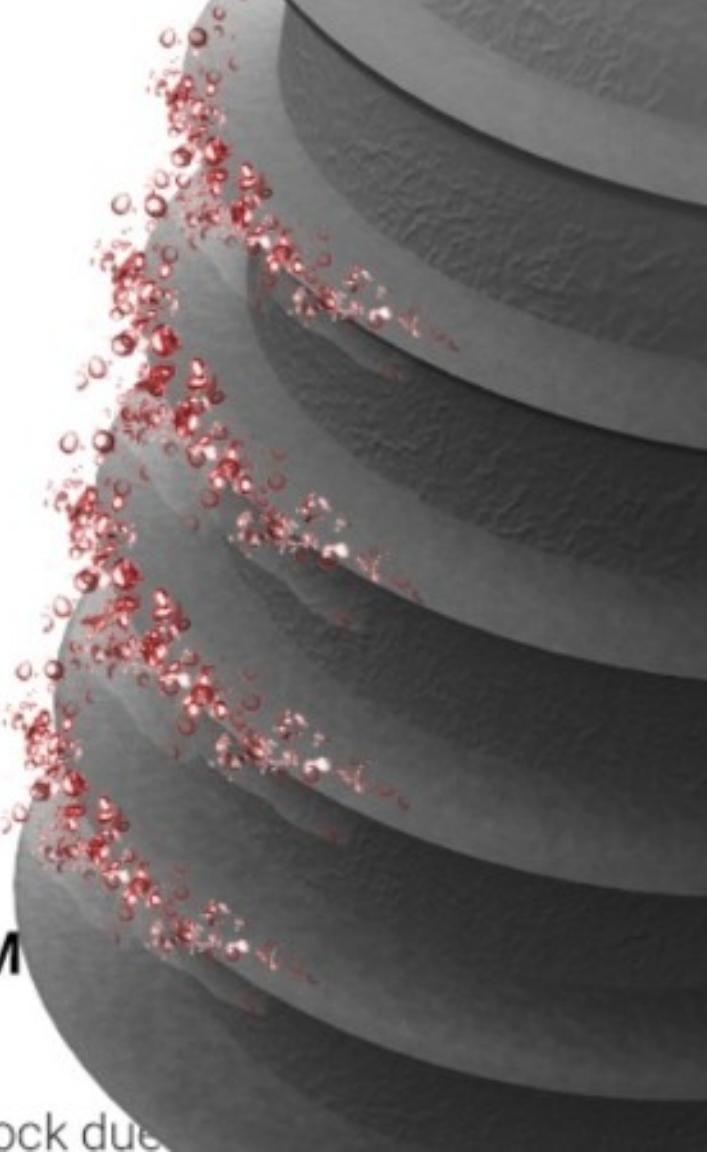
a confident 
smile to life

DIMENSIONAL INTERACTIVE DISPLAY

Surface Stats: Ra: 1.68um Rq: 1.81um Rt:
15:35 **Measfurement Info:** Magnification:
19.86 Measurement Mode: VSI Sampling:
498.41nm Array Size: 640x480



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



ion in M

hanical lock due



Discover the
Superhydrophilic
Body Technology

**M-Pure Surface
Treatment**



Be Safe, Easy, Confident ... **Get MGM Implant**

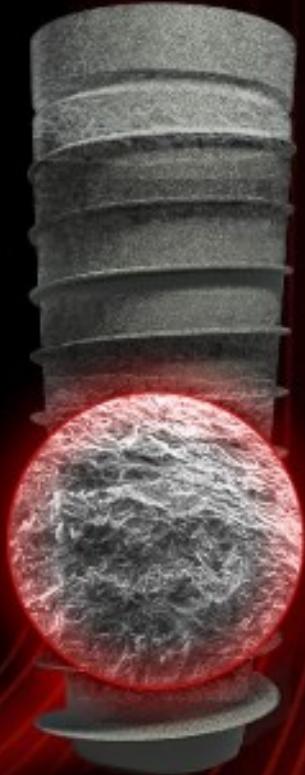


Made in
Germany

Best
**Bone-Implant
Integration**

**M-Pure Surface
Treatment** —

a confident 
smile to life



is a proprietary surface treatment that typically involves:

Sandblasting with biocompatible materials (e.g., titanium oxide).

No acid-etching or chemical surface modification (hence “pure”).

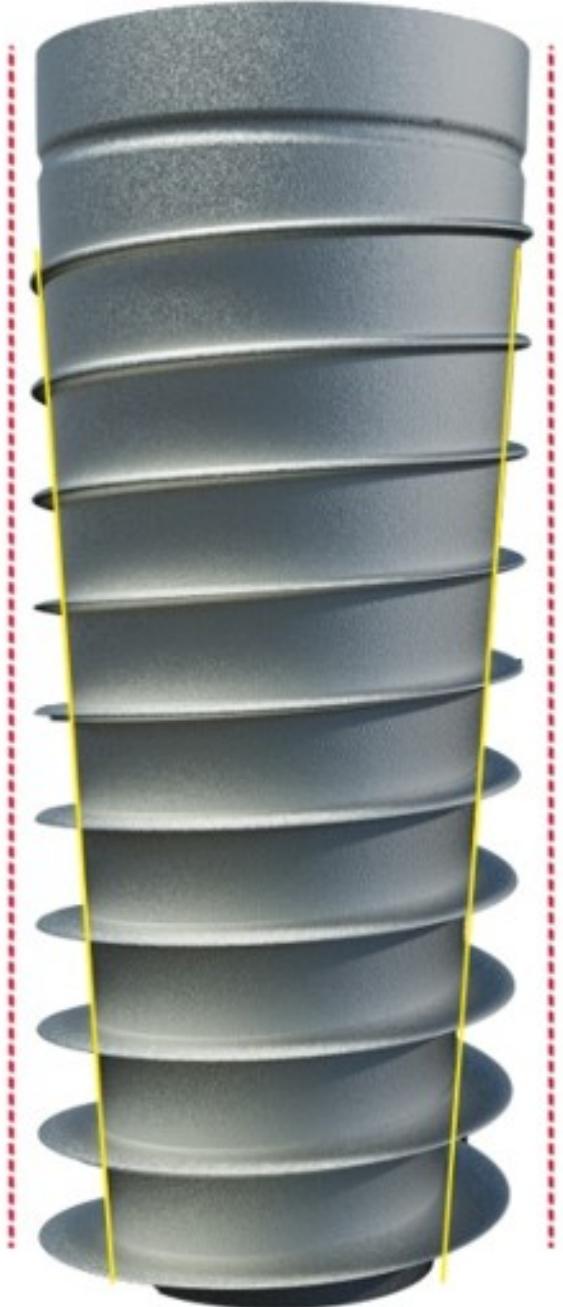
A focus on cleanliness, biological safety, and moderate roughness for good bone contact.

Final surfaces that are free from chemical residues and contaminants.

Benefits of "M Pure" Surface

- | | |
|--------------------------------|---|
| 1) Moderate Surface Roughness | Provides strong primary stability and bone-implant contact |
| 2) High Purity / Clean Surface | Free from chemical residues or embedded particles; improves bi... |

Smart hybrid body design :



| Tapered Form |

| Cylindrical Form |

Implant Design

MGM
IMPLANT

Smart Hyperid Body Design

MGM implant design has a unique smart design that gives our dentists the benefits for the tapered and cylindrical implants design. MGM implant has a Tapered Core body design with conical shape to mimics the natural tooth root.

Benefits:-

- Better Primary Stability:** Especially useful in soft bone or immediate placement (e.g., post-extraction).
- Ideal for Narrow Ridges:** Requires less bone width, reducing the need for grafting.
- Less Pressure on Cortical Bone:** Minimizes bone resorption.
- Easier Insertion Path:** Guides itself during placement, helpful in angled or tight spaces.
- Faster Osseointegration:** Because of improved stability and bone contact.

Helps the doctors in :

- Immediate loading cases
- Post-extraction sockets
- Soft bone density (Type III/IV)
- Aesthetic zones (anterior)

And also MGM implant has Cylindrical (Parallel-Walled) through the outline of our implants threads to make Straight body with uniform diameter.

Benefits:-

- Even Stress Distribution:** Ideal for dense (Type I/II) bone.
- More Bone-to-Implant Contact Surface Area:** Promotes long-term stability.
- Simpler Surgical Protocol:** Predictable drilling and placement steps.
- Better for Bone Grafting Cases:** Offers stable fit in augmented areas.
- Useful for Splinted prostheses:** Parallel design helps in multi-unit cases.

Helps the doctors in :

- Dense bone areas (posterior mandible)
- Cases with high precision surgical guides
- Full arch or splinted cases
- Reconstructive surgeries with bone grafts



Tapered Form

Cylindrical Form

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Helps the doctors in :

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*) Soft bone density (Typ...

Smart cervix " a Thread-Free Cervical Area "

Implant Design

Smart Cervix

A Thread-Free Cervical Area



MGM implants Smart Cervix plays a critical role in soft tissue integration, hygiene, and crestal bone preservation.



Key Benefits of Having a Smart Cervix:-

Improved Soft Tissue Adaptation

A smooth surface promotes better attachment of soft tissue (gingiva).
Creates a tight seal around the implant, acting as a barrier to bacteria.
Aids in the formation of a healthy, stable peri-implant mucosa.

Reduced Bacterial Accumulation

No threads = fewer micro-irregularities for plaque to attach.
Easier to clean and maintain over time (especially important for long-term success).
Reduces peri-implantitis risk.

Minimized Crestal Bone Loss

Threads near the crest may cause micro-movement or stress concentration on the marginal bone.
A minimally machined neck reduces mechanical irritation to the crestal bone.
Especially beneficial in cases with thin biotype or minimal bone height.

Better Aesthetic Outcomes

In esthetic zones, a smooth collar supports soft tissue contour and volume.
Helps avoid gray shadows or recession due to inflammation or bone loss.
Harmonizes better with the gingival line.

Ideal for Subcrestal or Equicrestal Placement

Smoothly treated cervical portion can be safely placed at or slightly below bone level without causing inflammatory response.
Encourages stable tissue healing.

MGM implants Smart cervix plays a critical role in soft tissue integration, hygiene, and crestal bone preservation.

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Smart Paper thread Design:

MGM[®]
IMPLANT

Made in
Germany

Smart
Paper
Threads
Design

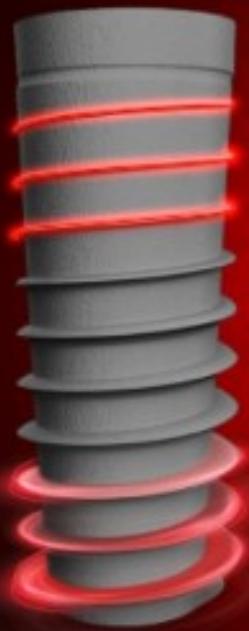


Be Safe, Easy, Confident ... **Get MGM Implant**

Implant Design

Smart Paper Thread Design

MGM implants have smart unique paper thread designs machined in a smart manner to help our dentists to get outstanding results. MGM implants has a smart unique bone Friendly thread design that cuts inside the bone without distraction which it helps for faster healing processes.



Benefits For Bone:-

Improvement of bone density and Quality
through compression and osseodensification of bone trabeculae between the wide pitches of MGM implants thread designs during the insertion .

Even Stress Distribution

Minimizes bone micro-damage and resorption.

Crestal Bone Preservation

Shallower threads near the top reduce pressure on cortical bone.

Self-Condensation in Soft Bone

Threads compress bone rather than cutting it, increasing density and stability.

Improved Osseointegration

Maximizes bone-to-implant contact due to thread geometry.

Benefits For Doctors:-

Easy and Controlled Insertion

self-guiding shape allows precise and safe placement.

Ideal for Immediate Placement & Loading

Excellent stability reduces micromovement risks.

Versatile Across Bone Types

Performs well in both hard and soft bone—fewer implant types needed.

Minimally Invasive Drilling Protocol

Smaller osteotomies required—preserves native bone.

Reduces Surgical Time & Complexity

Simplifies clinical workflow, especially in narrow ridges or fresh sockets.

MGM implants have smart unique paper thread designs machined in a smart manner to help our dentists to get outstanding results

MGM implants has a smart unique bone Friendly thread design that cuts inside the bone without distraction which it helps for faster healing processes.

Also has a lot of benefits for the bone:

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Minimizes bone micro-damage and resorption.

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Shallower threads near the top reduce pressure on cortical bone.

4. Self-Condensation in Soft Bone

Threads...

4) Smart apical design " pointed apex with rounded boundaries"

MGM implants has a Smart apical design that

Implant Design

Smart Apex

Pointed apex with rounded boundaries



MGM implants has a Smart apical design that provide alot of benefits for the bone and also for our dentists.



Benefits For Bone & Surrounding Tissue:-

Atraumatic to Vital Structures

Reduces the risk of damaging anatomical areas like the sinus membrane, inferior alveolar nerve, or lingual plate during placement.

Less Bone Compression at the Tip

Gentle on trabecular bone, minimizing microfractures and heat generation during insertion.

Enhanced Safety in Immediate Placement

Especially in post-extraction sockets or thin bone walls – minimizes risk of perforation or over-penetration.

Favors Bone Healing

Creates a favorable environment for early bone regeneration and vascularization around the apex.

Benefits For Doctors:-

Surgical Safety and Confidence

Allows clinician to place implants closer to critical anatomical boundaries with more confidence.

Easier Directional Control

During Insertionof MGM implants smart tip reduces the chance of the implant "drilling" itself off-axis or penetrating too deeply.

Improved Handling in Soft Bone

Facilitates repositioning if needed during insertion without damaging bone.

Useful in Subcrestal Placement

Reduces risk of sinus floor perforation in transcrestal sinus elevation procedure.

Ideal Clinical Situations:

Immediate implant placement

Proximity to nerve canals or sinus cavities

Soft bone (Type III/IV)

Narrow or underprepared osteotomies

Provide a lot of benefits for the bone and also for our dentists:

- Benefits for the Bone & Surrounding Tissue:

1. Atraumatic to Vital Structures

Reduces the risk of damaging anatomical areas like the sinus membrane, inferior alveolar nerve, or lingual plate during placement.

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2. Easier Directional Control During Insertion of MGM implants smart tip reduces the chance of the implant "drilling" itself off-axis or penetrating too deeply.

3. Improved Handling in Soft Bone

Facilitates repositioning if needed during insertion without damaging bone.

4. Useful in Subcrestal Placement or Sinus Lift Cases

Reduces risk of sinus floor perforation in transcrestal sinus elevation procedure.

Ideal Clinical Situations:

- *) Immediate implant placement
- *) Proximity to nerve canals or sinus cavities
- *) Soft bone (Type III/IV)
- *) Narrow or underprepared osteotomies
- *) Thin buccal/lingual bone plates

*MGM IMPLANT PLUS loading

- MGM One-piece loading
- MGM Short / Narrow loading
- MGM EXTREME loading

Each page should have Material info (Ti, Ti-Zr, SLA surface, implant design sizes and lengths etc.)

▫ Prosthetic Components

MGM

- **STOCK ABUTMENTS**

Straight, angled.

MGM straight abutment is a type of dental implant component used to connect a dental implant (which is surgically placed into the bone) to the final prosthesis, such as a crown, bridge, or denture.

- Key Features of **MGM Straight Abutment**:
- Alignment: It is designed for situations where the implant is placed in an ideal, straight position, aligned with the final restoration.
- No Angulation: Unlike angled abutments (e.g., 15° or 25°), straight abutments have no built-in angle.
- Uses: Commonly used in single-tooth implants or when multiple implants are placed parallel to each other.
- Materials: Typically made from titanium Grade 5, zirconia, or a combination, depending on esthetic and functional needs.
- Connection: Attaches to the implant via a screw (internal Morse taper connection).
- When to Use a **Straight Abutment**:
- Implant is placed ideally in relation to the prosthetic plan.
- Sufficient soft tissue and bone volume are present.
- No need to correct implant angulation for prosthetic alignment.

MGM angled abutment is a dental implant component used when the implant is not placed perfectly vertical and needs angulation correction to support a properly aligned crown, bridge, or denture.

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- ---
-
-  **Key Features of an Angled Abutment:**
-
- Built-in Angle: Typically comes in angles like 15°, 25°, or 30° to correct for implant misalignment.
-
- Function: Helps align the prosthesis with the rest of the teeth when the implant is placed at an angle due to anatomical limitations (e.g., sinus, nerves, bone structure).
-
- Usage: Common in anterior maxilla, tilted implants (like in All-on-4 cases), or in full-arch prosthetics.
-
- Material: Usually titanium Grade 5 or zirconia.
-
-
-
- ---
-  **When to Use an Angled Abutment:**
-
- The implant is placed off-axis due to limited bone or anatomical structures.
-
- You need to improve the emergence profile or esthetics.
-
- You're working with multi-unit restorations and need to achieve a parallel path of insertion.

[8:58 pm, 12/8/2025] ag global: MGM temporary abutment is a short-term component used in dental implants to support a provisional (temporary) restoration during the healing or integration period before placing the final crown, bridge, or denture.

 **Key Features of a MGM Temporary Abutment:**

Purpose: Supports a temporary crown or bridge while the implant site heals and the soft tissue shapes around it.

Material: Often made from titanium, PEEK (polyetheretherketone), or plastic – materials that are easy to adjust and biocompatible.

Adjustable: Can be trimmed, shaped, or modified to fit the provisional restoration.

Connection: Screwed into the implant like a regular abutment.

Duration: Meant for short-term use – typically weeks to a few months.

When to Use a **Temporary Abutment**:

Immediate loading cases (e.g., a same-day temporary crown).

To shape the soft tissue and emergence profile before placing the final prosthesis.

While waiting for final prosthesis fabrication.

In esthetic zones (like front teeth) where appearance is important during healing.

Types of Temporary Abutments:

Type Use Case

Titanium More durable, used when function is needed.

PEEK/Plastic Easier to adjust, often used in esthetic zones.

[9:00 pm, 12/8/2025] ag global: MGM healing abutment—also called a healing cap—is a temporary component attached to a dental implant after placement to help guide the healing of soft tissue around the implant site.

Purpose of MGM Healing Abutment:

Shapes the gum tissue around the implant to create a natural-looking emergence profile.

Protects the internal connection of the implant during healing.

Keeps the soft tissue open for easy access during the prosthetic phase (crown or bridge placement).

Not used for chewing—not load-bearing.

 Key Features:

Material: Usually made of titanium or PEEK (plastic).

Variety of Sizes: Different diameters and heights to match soft tissue thickness and implant position.

Timing: Placed either immediately during implant surgery or after a healing period during a second-stage surgery.

Temporary: Removed once the soft tissue has healed and the final abutment or temporary abutment is ready to be placed.

 When Is MGM Healing Abutment Used?

After implant placement, during the healing phase (typically 2–6 weeks).

Before placing a provisional or final restoration.

In two-stage implant surgeries, it is placed during the second surgical phase after the implant has integrated with bone.

- MUA ABUTMENTS
 - straight, angled
 - [9:00 pm, 12/8/2025] ag global: ---
- [9:03 pm, 12/8/2025] ag global: MGM MUA abutments, short for Multi-Unit Abutments, are specialized components used in dental implant restorations, especially in full-arch prosthetics like All-on-4 or All-on-6 cases.
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 -  What is MGM Multi-Unit Abutment (MUA)?
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 - MGM Multi-Unit Abutment is an intermediary connector between the dental implant and the prosthesis (like a bridge or denture). It is designed to:
 - Correct implant angulation
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 - Provide a stable, level platform for prosthetics
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 - Distribute stress more evenly across implants
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 -  Key Features:
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 - Angled and Straight Options: Available in 0°, 17°, 30° to correct for tilted implants.
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- Height Variations: Comes in different gingival heights to match soft tissue levels.
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- Screw-retained: The final prosthesis is typically screw-retained for ease of maintenance and retrievability.
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- Material: Usually titanium, sometimes with a gold or anodized finish for biocompatibility and ease of identification and fixed too with customised Titanium Bars
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-  When are MGM MUAs Used?
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- In full-arch restorations where multiple implants support a full denture or bridge.
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- When implants are placed at different angles, like in the All-on-4 concept, where posterior implants are intentionally tilted.
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- To ensure all prosthetic screw channels are parallel and accessible.
- Over denture locators, ball and sockets

[9:07 pm, 12/8/2025] ag global: MGM Ball and socket abutments are a type of implant abutment system primarily used to retain removable over dentures.

- They provide a mechanical attachment that allows the denture to "snap" onto the implants securely while still being removable by the patient.
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-  What Are MGM Ball and Socket Abutments?
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- MGM Ball Abutment: The part attached to the implant—it has a ball-shaped head.
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- MGM Socket's (Housing/Cap): Embedded in the underside of the denture—contains a rubber or nylon O-ring that snaps over the ball.
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- This system works like a press-fit, similar to a snap button.
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-  Key Features:
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- Use Case: For implant-retained over dentures (commonly lower jaw).
 - Removable: Designed for daily removal by the patient for cleaning and hygiene.
 - Retention: O-rings provide varying levels of retention force, which can be changed as they wear out.
 - Low Profile: Good option when vertical space is limited.
 - Material: Typically titanium for the ball abutment; housings are metal with replaceable nylon O-rings.
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 -  Limitations:
 - O-rings can wear out over time (typically every 6–12 months).
 - Less retention than some other systems.
 - Not ideal for non-parallel implants—locator abutments work better in those cases.
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 - [9:09 pm, 12/8/2025] ag global: Locators abutments
 - [9:20 pm, 12/8/2025] ag global: MGM Locator abutments are one of the most popular attachment systems used for implant-retained overdentures. They provide a low-profile, self-aligning, and highly retentive way to attach removable dentures to implants while still allowing easy insertion and removal by the patient.
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 -  What Is MGM Locator Abutment?
 - A Locator abutment is a male component that screws into a dental implant.
 - The female component (nylon retention insert) sits inside a metal housing embedded in the denture.
 - The nylon insert "snaps" over the locator abutment and holds the denture in place.

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- Key Features of MGM Locator Abutments:
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- Self-aligning: Easier for patients to seat the denture correctly, even with limited dexterity.
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- Low profile: Ideal for patients with limited interarch space.
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- Dual retention: Inner and outer retention surfaces enhance stability.
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- Interchangeable inserts: Different colors = different retention strengths (e.g., blue = light, pink = regular, clear = extra strong).
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- Angulation correction: Specialized Locator Extended Range abutments can compensate for up to 40° of implant divergence.
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- Advantages of MGM Locator Abutments:
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- Excellent retention and stability
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- Good for both parallel and non-parallel implants
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- Easy maintenance and part replacement
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- Widely used and well-documented system
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- Limitations:
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- Inserts wear out over time (usually every 6–12 months)
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- Requires regular maintenance by a dentist
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- May loosen with heavy bite forces if improperly seated

- Digital components
 - Ti bases
 - shift Ti bases
 - PRE MILLED ABUTMENS
 - MGM pre-milled abutment (often called PRI-milled abutment) refers to a partially manufactured abutment blank that is designed for customization using CAD/CAM milling systems.
- It allows dental labs or milling centers to create custom abutments with high precision while ensuring that the implant connection geometry (the part that fits into the implant) remains accurate and manufacturer-approved.
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-  What Is MGM Pre-Milled Abutment?
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- A metal blank with a pre-fabricated implant connection (the part that connects to the implant).
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- The coronal portion (above the gum line) is left blank and customizable.
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- Designed to be placed in a milling machine, which then mills a custom abutment based on the patient's digital scan or model.
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- Common in custom titanium or zirconia abutments.
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-  Key Features:
-  Pre-manufactured connection: Ensures perfect fit with implant (maintains manufacturer's specifications).
-  Custom-milled shape: The emergence profile, margin, and angle are designed specifically for the patient's case.
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-  CAD/CAM workflow: Requires digital design software (e.g., Exocad, 3Shape) and a compatible milling unit.
-  Screw-retained: Typically used with a screw for fixation to the implant.
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-  Considerations:
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- Requires CAD/CAM infrastructure and trained lab support.
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- More time and cost-intensive than standard stock abutments.
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- Must use manufacturer-approved blanks for warranty and compatibility.

MGM Ti-base (short for titanium base) is a hybrid implant abutment component used in CAD/CAM workflows to support custom zirconia or ceramic restorations on dental implants. It combines the precision and strength of titanium at the implant connection with the esthetic and customizable shape of a digitally milled crown or abutment.

What Is MGM Ti-Base?

A prefabricated titanium interface that fits directly into the implant.

Designed to be bonded to a custom-milled zirconia or ceramic component, such as:

A custom abutment

A screw-retained crown

A hybrid abutment crown

 Key Features:

 **Implant Connection:** Machined titanium for precise fit and mechanical strength.

 **Customizable Coronal Part:** The upper part is designed in CAD software and milled (usually zirconia).

 **Cemented Extraorally:** The zirconia or ceramic part is bonded to the Ti-base outside the mouth, then the full piece is screwed into the implant.

 **Versatility:** Can be used for single units, bridges, and even full-arch cases.

 Advantages of **MGM Ti-Bases**:

Strong implant connection thanks to titanium base

Customizable esthetics using zirconia or other ceramics

Ideal for digital dentistry and CAD/CAM workflows

Screw-retained, so retrievable if needed

Reduces risk of misfit or cement-related peri-implantitis since bonding is done outside the mouth

 Limitations:

Extraoral bonding step must be precise to avoid debonding

Requires digital design and milling equipment

Not ideal in situations with extreme angulation (angled screw channels may be needed)

Products: Section 3: Lab Components

Note: Products: Section 1: Implant

Products: Section 2: Accessories

stock parts (Analogue, Transfer coping closed, transfer coping open)

[9:36 pm, 12/8/2025] ag global: MGM transfer coping (also called a transfer impression coping) is a component used during dental implant impressions to accurately transfer the position and orientation of an implant from the patient's mouth to a dental cast or digital model.

It's essential in the process of fabricating precise prosthetic restorations like crowns, bridges, or dentures on implants.

What Is MGM Transfer Coping?

A temporary component attached to the implant or abutment during the impression-taking process.

It captures the exact 3D location, depth, and angulation of the implant in the mouth.

After the impression is taken, the coping remains embedded in the impression material, allowing the dental lab to replicate the implant position on a model using a lab analog.

 Types of MGM Transfer Copings:

1. MGM Closed-Tray (Indirect) Transfer Coping

Stays in the mouth when the impression is removed.

Used with a closed tray (standard impression tray).

The clinician removes the coping after the impression, attaches it to the implant analog, and re-inserts it into the impression.

2. MGM Open-Tray (Direct) Transfer Coping

Also called pick-up copings.

Used with a custom open tray with holes.

A screw is accessed through the tray and unscrewed before removing the tray, so the coping stays inside the impression.

3. MGM MUA impression transfer coping which used with MUA prosthetics options.

Advantages:

Ensures accurate model creation for final prosthesis

Helps lab fabricate restorations that fit passively

Comes in different platforms and sizes based on implant system

Considerations:

Must match the specific implant system and platform

Improper seating or handling can lead to misfit restorations

Open-tray technique is more technique-sensitive but more accurate

[9:39 pm, 12/8/2025] ag global: MGM lab analog or MGM implant analog) is a replica of a dental implant or abutment used in the dental laboratory to simulate the position and orientation of an implant within a working model (stone or 3D printed).

What Is MGM Analogue?

A precision-milled metal or plastic component that mimics the shape and connection of the actual dental implant.

Used during the laboratory fabrication of implant restorations (crowns, bridges, overdentures).

Placed into the impression or model in the exact position where the implant sits in the patient's mouth.

Main Functions of MGM Analogue:

Replicates implant position on a dental cast or 3D printed model.

Allows the lab to build and test-fit prosthetic components (e.g., abutments, crowns).

Ensures the final restoration fits accurately and passively in the patient's mouth.

 How It's Used (Basic Steps):

1. A transfer coping is used to take an impression of the implant's position.
2. The impression is sent to the lab with the implant analog.
3. The analog is attached to the coping inside the impression.
4. A model is poured (or printed) around the analog, creating a physical replica of the patient's implant situation.
5. Lab uses the model with analog to fabricate and verify the final restoration.

 **Types of MGM Analogues:**

Type Used For

A)Implant analog Simulates the implant in the model

Abutment analog Simulates a specific abutment design

B) Digital analog Used with 3D printed models

C) MUA analogue simulate MGM implants with MUA prosthetics options

 **Advantages:**

Critical for accurate lab work

Maintains proper angulation and positioning

Compatible with both stone models and digital workflows (some analogs are designed for printed models)

⚠ Important Notes:

Must match the brand, platform, and size of the actual implant used in the patient

If mismatched or incorrectly seated, it can lead to poor prosthetic fit

MUA PARTS (Analogue, Transfer coping closed, Transfer coping open)

DIGITAL COMPONENTS (DIGITAL ANALOUGE, SCAN BODIES FOR

MGM scan body is a digital impression component used in implant dentistry to capture the exact position, angulation, and orientation of a dental implant or abutment during an intraoral scan or model scan.

It is essential in digital implant workflows for designing accurate, custom restorations using CAD/CAM technology.

✳ What Is MGM Scan Body?

A specially shaped component (usually made of PEEK or titanium) that attaches to the implant or abutment during a scan.

It is recognized by CAD software using a digital library to precisely position the implant in a virtual model.

Acts like a “digital transfer coping” for intraoral scanners.

Key Features:

 Custom shape: Unique geometry (flats, grooves, notches) allows the software to identify it easily.

 Exact alignment: Translates the 3D position and rotation of the implant into the digital model.

 Attachable: Screws into the implant or abutment, like a healing abutment.

 Digital library match: Must match the implant system and platform exactly for proper recognition in the CAD software.

How It Works (Workflow):

1. The scan body is screwed onto the implant in the mouth (or onto a lab analog in a printed/model scan).

2. A 3D intraoral scan (or lab scan) is performed with the scan body in place.

3. The scanner captures the geometry of the scan body.
4. The CAD software uses the scan body library to align a digital implant into the scan with precise orientation and depth.
5. A custom abutment or crown is designed based on this data.

Types of scan bodies :

A) implants Scan body

B) MUA Scan body

Advantages:

Speeds up the implant restoration process

Allows for fully digital workflows

No need for messy impression materials

Highly accurate for single and multiple implants

Ideal for CAD/CAM custom abutments and crowns

 Considerations:

Must match the implant system exactly (manufacturer, platform, diameter)

Proper seating is crucial—even small misfits cause prosthetic errors

May require scan spray if material is too reflective or transparent

STOCK ABUTMENTS , SCAN BODIES FO MUA)

Products: Section 4: Surgical Kits & Tools

- Surgical Kit
- GUIDED KIT
- ALL SIUNUS LIFTING KIT
- SCREW REMOVER HELPING KIT
- FIXURE REMOVER HELPING KIT
- GBR MASTER KIT
- RIDGE AUGMENTING KIT
- Prosthetic Kit
- Drivers, Keys, etc.

Products: Section 5: Devices

◆ 4. Clinical Support

- Surgical Protocols (PDFs + Videos)
 - CATALOGUE , BROCHURES
 - Prosthetic Protocols
 - Digital Workflow
 - FAQ for Dentists
 - Scientific Documentation / Studies
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◆ 5. Education & Training

- Webinars
 - On-site Courses
 - Study Club (with access/login area)
 - Academic Partnerships
 - Events Calendar
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◆ 6. Distributor Zone / Become a Partner

- Interactive form: Become a Distributor
- Dealer Login
- Download Centre (Price lists, brochures, posters)

- Marketing Materials
 - Private Area with login
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◆ 7. News & Media

- Blog / Articles
 - Clinical Case Highlights
 - Media Gallery (Photos / Reels)
 - Press Releases
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◆ 8. Contact Us

- Contact form
 - Map with locations
 - Head office + international agents
-

◆ 9. Language Switcher

- EN / DE / FR / AR / RU (optional for international users)
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Extra Features

- Sticky floating contact/chat button
- WhatsApp direct link
- Newsletter popup
- Live chat or chatbot
- SEO-friendly page structure