✂️ Slimmer than the market leader, more retentive than ball attachments ✂️

MPS
Multi Platform Systems

OPTILOC MATRIX SYSTEM

MEDENTiKA®
A Straumann Group Brand
**Optiloc – guarantees optimum treatment**

Because we think that things should last.

**ADLC Surface**
The surface quality of the ADLC coating (amorphous diamond-like carbon) sets new standards. Maximum hardness in combination with optimum sliding characteristics reduces abrasion on the abutment and damage to the retention insert.

**Divergence compensation**
The Optiloc matrix system can be used to compensate for divergences of up to 40° between the implants.

**Retention insert**
Retention inserts made from PEEK high-performance plastic are manufactured with extreme precision and can optimally absorb lateral pressure thanks to the patented design.

**Matrix housing**
The very slender titanium matrix housings are the ideal solution where only minimum space is available.

**Outstanding handling**
Retention inserts can be inserted and removed within 5 seconds. Accessories such as the very low impression matrix or easy-to-use matrix housing extractor guarantee stress-free handling.

**Minimum size**
Slimmer than the market leader, more retentive than ball attachments. Optimum dimensions now also allow the matrix to be placed where only minimum space is available.

**Freedom of movement**
The Optiloc matrix allows small movements of the denture without disengaging the restoration. Unlike other matrix systems, however, the Optiloc always returns to the initial position.

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Available for a large number of implant systems:

- **C-Series** compatible with Altatec, MEDENTIKA®, Altatec
- **D-Series** compatible with Altatec
- **E-Series** compatible with Nobel Biocare
- **EV-Series** compatible with DENTSPLY Implants
- **F-Series** compatible with Nobel Biocare
- **H-Series** compatible with BIOMET 3i, Brånemark System®, Bone Level
- **K-Series** compatible with Nobel Biocare
- **L-Series** compatible with Straumann
- **N-Series** compatible with Straumann
- **OT-Series** compatible with Össstem Implant®, HiÖssen Implant**, T-Plus Implant Tech
- **R-Series** compatible with Zimmer Dental, MIS, BioHorizons, Tapered Screw-Vent®, SEVEN Internal Hex, Tapered Internal, Tapered Internal Plus, Tapered Tissue Level
- **S-Series** compatible with DENTSPLY Implants
- **T-Series** compatible with DENTSPLY Implants
- **Y-Series** compatible with DENTSPLY Implants

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* is a registered trademark of an independent third party
Gingival heights
The Optiloc abutments are available in 5 different gingival heights.

ADLC Surface
The surface quality of the ADLC coating (amorphous diamond-like carbon) sets new standards. Maximum hardness in combination with optimum sliding characteristics reduces abrasion on the abutment and damage to the retention insert.

Minimum size
Slimmer than the market leader, more retentive than ball attachments. Optimum dimensions now also allow the matrix to be placed where only minimum space is available.

Placement instrument
All Optiloc abutments are inserted using the Optiloc (M 59) placement instrument.

Closed surface
The Optiloc abutment does not require a screw opening thanks to the cleverly designed placement instrument. This completely prevents accumulation of food particles in this area.

Freedom of movement
The Optiloc matrix allows small movements of the denture without decoupling the restoration. Unlike other matrix systems, however, the Optiloc always returns to the initial position.

The clever, patented Optiloc system technology guarantees optimum fixation, even with restorations on only 2 implants.
For all those who would like to stop searching for the optimum attachment with a small diameter.

The Optiloc matrix system has considerable advantages thanks in particular to the minimal overall size. Optimum dimensions now also allow the matrix to be placed where only minimum space is available.

Only the combination of a very smooth and at the same time very hard surface achieves the unique functionality and reduced wear properties of the Optiloc abutments in combination with the Optiloc matrices. With conventional titanium nitride (TiN) surfaces the combination of rough surface and high hardness in particular can be counterproductive, as with this combination the “hardened” rough surfaces act as micro-cutting edges (micro-file effect), which can very quickly cause wear the retention inserts.
The ADLC surface is a carbon-based coating with diamond-like characteristics. A comparison of the physical properties of different abutment coatings prove:

**The properties of the ADLC surface are outstanding.**

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The properties of the ADLC surface are outstanding.

Only the combination of a very smooth and at the same time very hard surface achieves the unique functionality and no-wear properties of the Optiloc abutments in combination with the Optiloc matrices.
Optiloc – Latest Technology.

The Optiloc matrix system with its newly developed technology is a prefabricated connector for retaining removable restorations on Optiloc abutments. The matrix housing is available in titanium + colour-neutral PEEK. This offers considerable advantages thanks in particular to the minimal size.

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**Matrix housing**

The very slender titanium housings are the ideal solution where only minimum space is available.

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**Retention insert**

Retention inserts made from PEEK high-performance plastic are manufactured with extreme precision and can optimally absorb lateral pressure thanks to the patented design.

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**No compromises**

You have the choice between 6 retention inserts with different retention forces, which easily master divergences up to 20 degrees per implant.

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**Outstanding handling**

Retention inserts can be inserted and removed within 5 seconds. Accessories such as the very low impression matrix or easy-to-use matrix housing extractor guarantee stress-free handling.

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**Matrix housing**

The Optiloc matrix housing is available in different titanium versions. The additional versions have stronger retention. These are used in cases where even higher retention should be guaranteed in the denture base or with too deep lying and not ideally selected abutment heights.
» Passion for precision «