DIAGNOSTIC ASSESSMENT

The appropriate combination of Titanium and PEEK in TiPEEK cages allows a clear fusion evaluation.

Clear radiographic evaluation. While maintaining the radiolucency of PEEK, the superficial Titanium “halo” represents a marker for cage positioning during surgery.

TIPEEK CT translucency and MRI satisfactory bioimaging facilitate the fusion assessment.

COMPREHENSIVE RANGE OF IMPLANTS

The TiPEEK lumbar posterior IBFD and anterior cages, as well as cervical devices, are available in numerous footprints, heights, and sagittal profiles to accommodate various patients’ needs.

REFERENCES

[1] M. Rickert et al. Transforaminal lumbar interbody fusion in PEEK oblique cages with and without titanium coating: results from a randomized clinical trial
Medacta's TiPEEK cages represent the next generation plasma sprayed Ti-Coated interbody fusion device designed for surgical practice.

**HIGH FUSION RATE**

- High level fusion rate: ~90% at 3 months post-operative

**PHYSIOLOGICAL LOAD SHARING**

Having a stiffness similar to bone, TiPEEK cages provide a native-like support that may help to prevent subsidence.

**TIPEEK INCORPORATES PEEK & TITANIUM BENEFITS**

**PEEK heritage**
- PEEK core provides a native bone interface that may help prevent subsidence
- Helps to reduce stress shielding
- Allows for proper load force transmission at the implant-tissue interface

**Titanium heritage**
- Biocompatibility
- High level fusion rate: ~90% at 3 months post-operative

**THIN LAYER, FULL VOLUME COATING**

Micrometric layer provides full coating in the cranial, caudal and interior side of the cages, allowing extensive 3D bone contact.

**DISC HEIGHT PRESERVATION**

Ti-Peek cages provide substantial interbody height restoration and lordosis maintenance.

**IMPROVED STABILITY**

Enhanced primary stability due to complex micro-rough surface improves friction increasing migration resistance.