

Type-II titanium anodising



Dark anodising for optimised surface properties

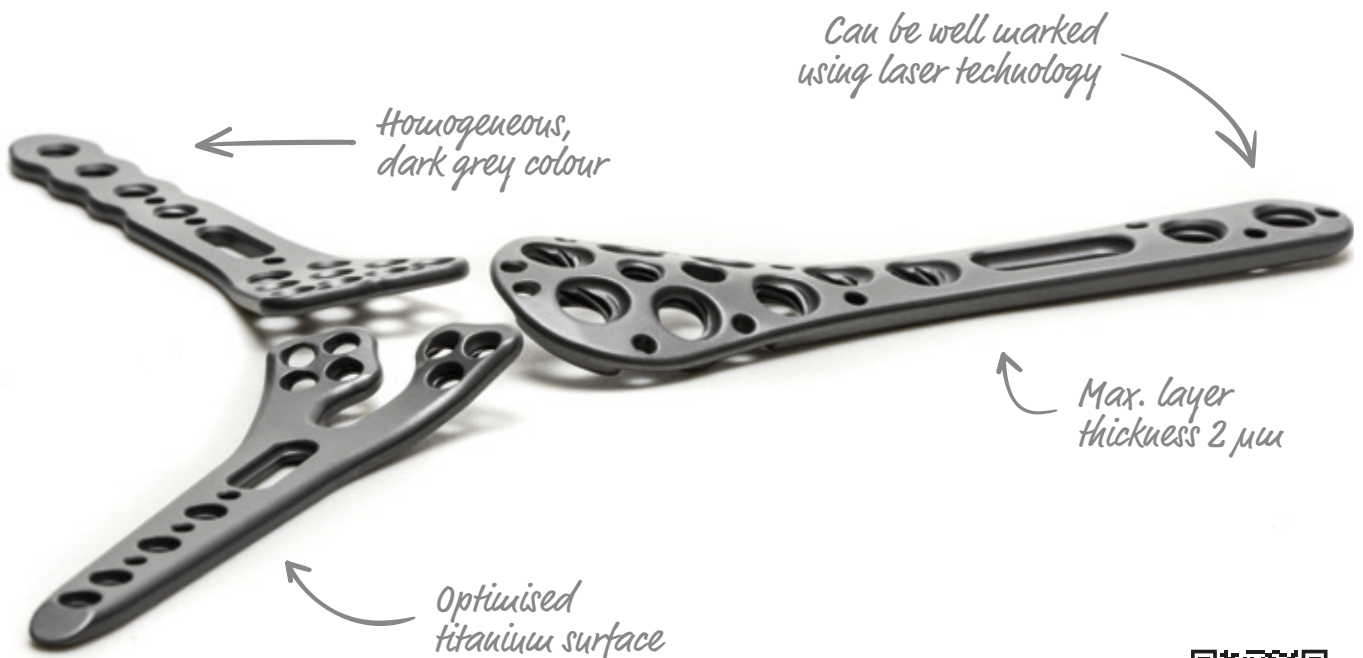


INNOVATION IN PERFECTION



Dark anodising for optimised surface properties

Type-II titanium anodising (dark anodising) is the optimal process for improving the biomechanical properties of medical implants made of titanium significantly.



More information



Type-II titanium anodising – the technical surface optimisation

With type-II titanium anodising (dark anodising according to AMS 2488), titanium implants get a significantly thicker and more resistant oxide layer with a homogeneous, dark grey surface appearance. Dark anodised surfaces decrease the tendency towards cold welding between titanium implants significantly and can also be much more easily removed following successful fracture healing.

Product advantages

- Decreased integration behaviour
- Easy to remove the implant after the fracture has healed
- Higher pretensioning of screw connections possible
- Improvement of tribology
- High biocompatibility



Bone plate



Implant screws



Pedicule head



Bone nail



Bone screw



Pedicule screw
(partially anodised)



Fusion plate



Mesh plate

Colour-coding with Recolor

The patented Recolor process allows further colour-coding of the dark-anodised implant if so desired. This means the advantages of type-II and type-III anodising can be combined.

Product advantages

- Customised colour-coding
- Diverse design possibilities
- Multiple colours possible on a single implant
- Results that stay the same



Bone nail



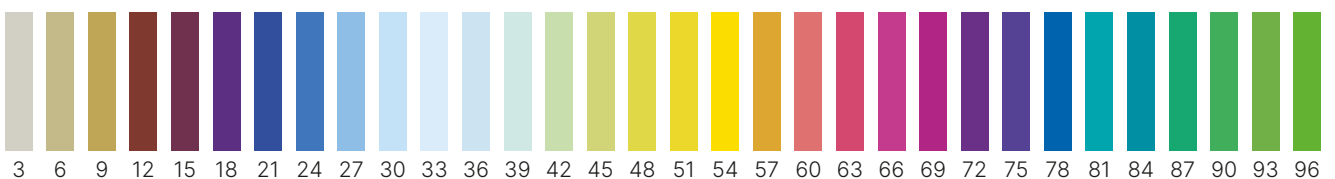
Bone plate



Forceps



Lag screw



The colours visible in printed materials and on screens may differ from the actual colours.

We are your specialists in the fields of titanium processing and surface refinement

We offer our medical technology and industry customers a wide range of services at our development and manufacturing location in Wehingen, Germany.

In addition to the professional surface finishing of titanium **using acid etching or anodising**, another one of our key services is the production of high-quality **sleeves and turned parts**.

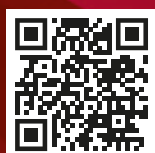
This wide range of services is supplemented by the manufacture of **colour marking using ART-tech® and other ink systems** and by numerous **surface finishing** services and the manufacture of our own **collection of titanium jewellery** from our brand Tiabelle.



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INNOVATION IN PERFECTION



Viktor Hegedüs GmbH
Siemensstr. 8
78564 Wehingen, Germany
Tel: +49 (0) 7426 9494 0
info@hegedues.de
www.hegedues.de/en



viktor
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