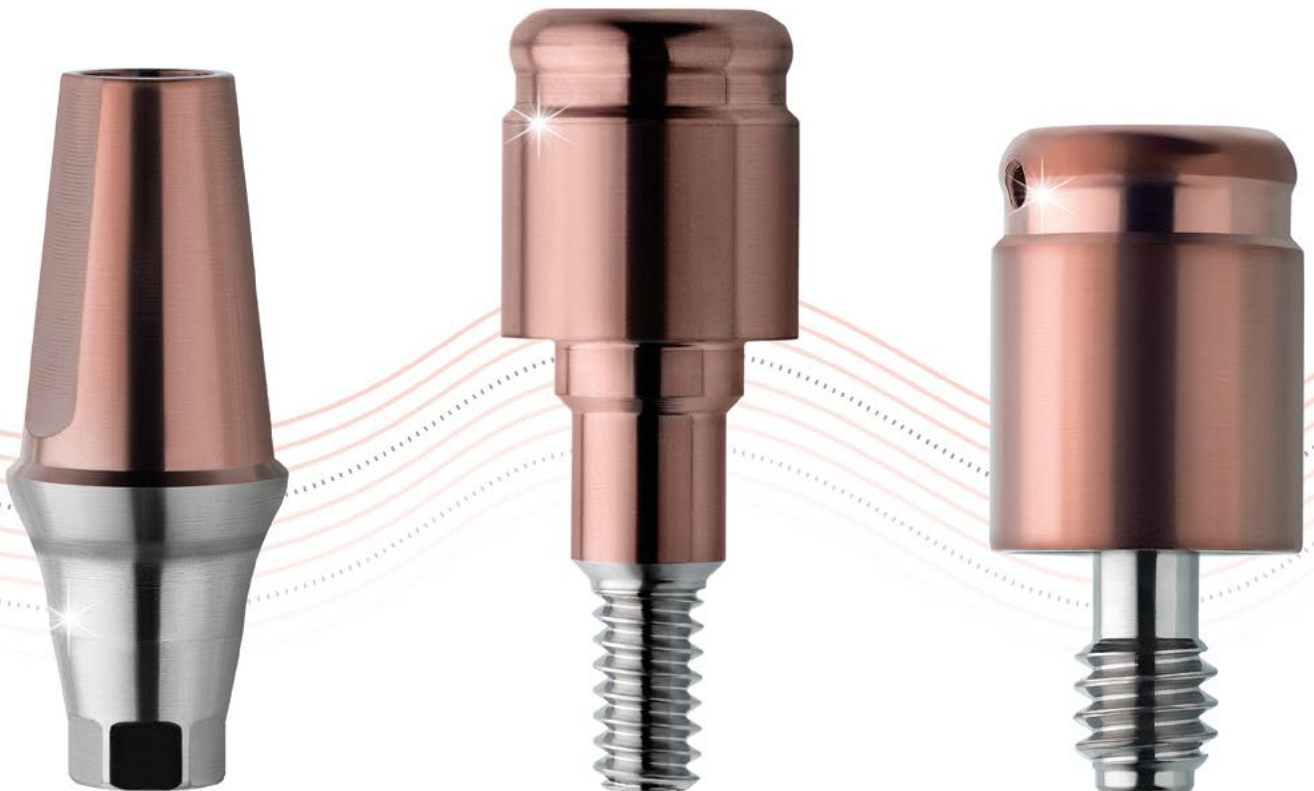


# BALIMED TICANA

The rosé PVD coating that combines  
aesthetic and functional properties



**Medical**



# BALIMED TICANA

## Rosé PVD coating specifically designed for dental abutments and instruments

The quality requirements for dental implants using fixed dental prosthesis are becoming more and more demanding:

- The functionalisation of dental abutment surfaces with biocompatible, highly wear-resistant coatings play an integral part of modern dental technology today
- Dental instruments need to provide a highly smooth, hard, chemically stable and autoclavable coating

- Colour-coded dental instruments allow dentists and surgeons to make identifying them easier during a dental treatment

The innovative BALIMED™ TICANA coating from Oerlikon Balzers not only meets these stringent requirements, the rosé coloured coating combines aesthetic and functional properties of dental abutments.

## Excellent aesthetics and superior functional properties

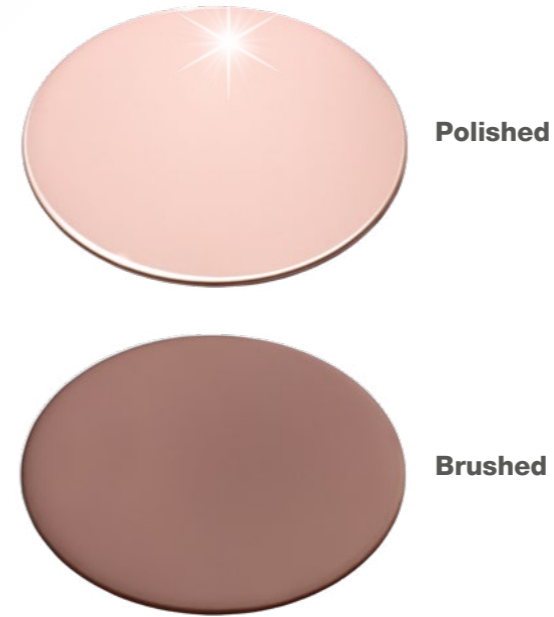
With more than 20 years of experience in the dental industry, Oerlikon Balzers knows how to handle the tiniest parts and components of fixed dentures with utmost care and precision. The rosé-coloured BALIMED™ TICANA PVD coating from

Oerlikon Balzers gives dental screws and abutments a homogeneous, attractive, rosé-coloured appearance. Minimal abrasion and low wear enable stable implant fixation and a longer service life.



## Applications of the rosé-coloured BALIMED TICANA coating

Depending on the surface treatment – polished or brushed – BALIMED™ TICANA provides a slightly different colour shade.



### Excellent coating properties and advantages of BALIMED TICANA

- |  |   |   |
|--|---|---|
| Rosé colour  | > | An aesthetic appearance through a natural looking gingival colour   |
| Extremely hard, abrasion and wear-resistant TiCN coating | > | Durable surface, long-lasting fixed dental prosthesis, high stability for tooth crown, coating hardness $H_{IT}$ [GPa] > 35 |
| High colour fidelity and stability                       | > | Stable colour after 34 days of immersion in 25 wt.% sodium chloride (NaCl)<br>No colour variation ( $\Delta E = 0.7$ )      |
| Corrosion resistance                                     | > | Protection against oral care, saliva, etc.  |

## More than 20 years of passion and expertise for innovative medical coating solutions

Our experience and expertise in the development of specific dental coating solutions in the medical industry are based on many years of cooperation with customers in the dental industry and laboratories. We handle small parts and fixtures with care to ensure their functionality. By applying the optimum coating and specific pre- and post-treatments, we assure that patients receive optimum health care for a long period.

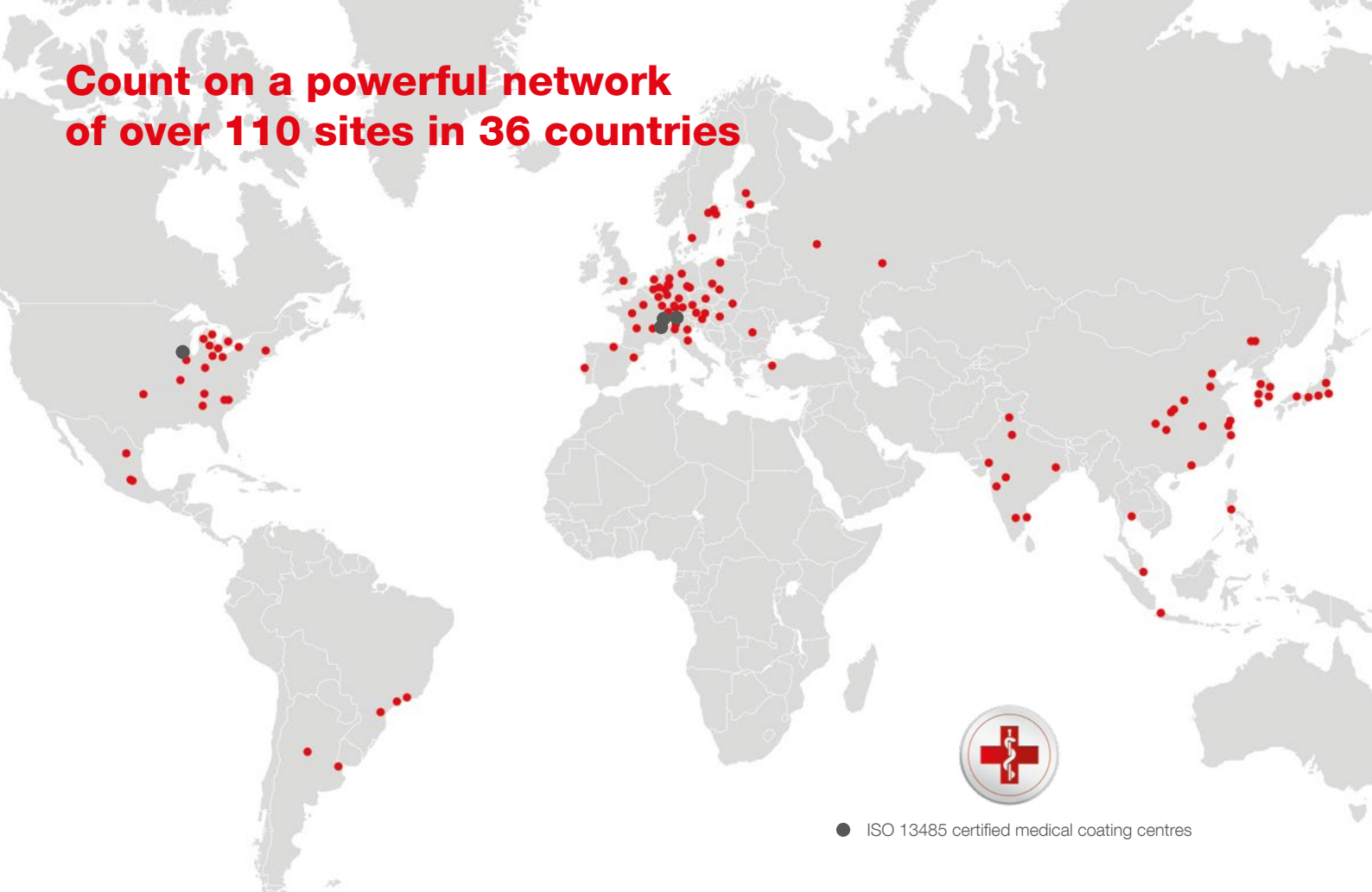
All our coating centres hold the ISO 9001 certification. Our coating centres in Balzers (Liechtenstein), Brügg (Switzerland), Cluses (France) and Elgin (USA) are specialised in coating medical products and are specifically certified for ISO 13485. Our entire BALIMED™ portfolio

of coatings meets the highest industry standards and holds the following specific medical certificates:



- Cytotoxicity:** MEM Elution, 72 hours (according to USFDA 21 CFR Part 58)
- Sensitisation:** Maximisation, Magnusson-Kigman Method (according to ISO 10993)
- Irritation:** Intracutaneous Reactivity (according to ISO 10993)

# Count on a powerful network of over 110 sites in 36 countries



● ISO 13485 certified medical coating centres

**There's much more to talk about –  
please get in touch to discuss what we can do to improve your business!**

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