



# ANODIZING UNIT for titanium

Ref. 100295



Explanatory  
video



# ANODIZING UNIT FOR TITANIUM

The anodizing unit for titanium is a simple device that allows you to process titanium dental elements quickly, easily and economically.

The results are comparable to products belonging to a much higher category.

Anodizing is an electrochemical process that creates a protective layer of oxide on the surface of the metal, in our case titanium. This layer -known as the anodic layer- is thicker than the natural oxide layer that forms on titanium when it is exposed to air, which offers a number of advantages

✓ **Corrosion resistance:**

The anodic layer protects the titanium from corrosion, even in adverse conditions (use in the mouth).

✓ **Wear resistance:**

The anodic layer is harder than the base titanium, making it more resistant to frictional wear.

✓ **Better adhesion and surface finish:**

Any overlapping layer of other material (i.e. zirconia) will be easier to fix onto the anodized (titanium) base element.

✓ **Less release of metal ions:**

The titanium oxide layer minimizes the release of metal ions into the physiological environment.

✓ **Appearance:**

The anodic layer can be colored with different shades, giving the titanium a more attractive appearance than the original taupe. This advantage is especially interesting when the anodised element serves as a support for a translucent material such as zirconium or for bars on implants.



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To operate the machine, it is only necessary to fill the tank with a solution of sodium bicarbonate (the common one sold in supermarkets) in water and then select the working voltage. Depending on the voltage, different shades will be obtained. For example, at 60 V you get an attractive golden shade and at 75 V you get a pink shade, highly appreciated in the dental sector.

The colouring process takes only 5 seconds.

## Technical characteristics

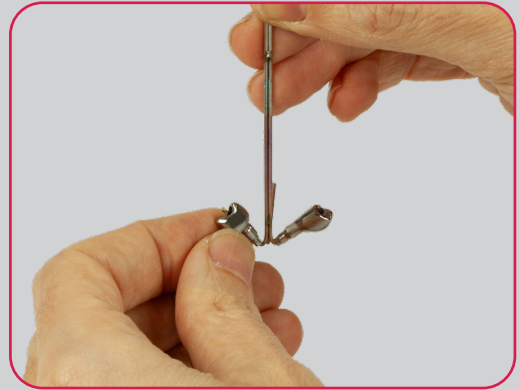
Dimension:	207 x 245 x 160 mm
Weight:	2,73 kg
Voltage:	10~80 V
Power supply:	AC220~240 V, 50/60 Hz
Anodizing time:	5 seconds
Power:	100 W



# HOW TO USE



1. Prepare a solution of water (600 ml) and sodium bicarbonate (20 g).



2. Place the works on the support.



3. Select the voltage (60 V for golden tone, 75 V for pink tone).



4. Attach the protective cover and press the start button.



5. Within five seconds the protective film will have been generated.



- Results at different voltages -



Adjustable voltage between 10 and 80 V to obtain different film tones.



It works with sodium bicarbonate, economical and safe.



Effective resistance against corrosion.



Formation of a uniform film.



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We have maintained a line of constant expansion since our foundation in 1945, thanks to our best qualities: the high quality of our products that have earned the ISO 9001:2015 certification by TÜV Rheinland, a close and attentive relationship with our customers, and a constant technical innovation in the design of our products.

Our design philosophy is based on three fundamental pillars: the needs of our clients, the observation of the techniques used in dental laboratories and our more than 77 years of experience providing creative and contemporary solutions to the daily problems of professionals in the sector.

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