

A new concept of polishing

The only automated system that provides
better results than hand polishing



DLyte equipment automates metal alloy polishing for the dental sector, improving quality while reducing costs



Better results than manual polishing, in one step

The polishing action is based on a unique and innovative dry electropolishing technique that reaches every internal cavity which can not be accessed mechanically. DLyte allows the polishing of pieces from any casting, sintered or milled manufacturing processes.

DLyte offers high-quality polishing for cobalt-chrome and titanium.

Respects tolerances



Preserves the initial shape



Mirror finishing and homogeneous results



Impact on your business

REDUCE COSTS BY UP TO 80%



The dust emitted during manual polishing is dangerous for health.

Lower costs

The treatment does not require manual processing, reducing labor costs and eliminating the need to rework parts and the production of defective parts.

MAKE YOUR PRODUCTION MORE FLEXIBLE



Time saving

DLyte is an automatic process which reduces the complexity of the current multi-step processes. The entire process is completed in one step.

STANDARDIZE YOUR PRODUCT



Controlled production

DLyte offers a unique solution to meet the needs of the dental industry, with traceable and predictable results, according to polishing needs, production quantities, and/or piece dimensions.

How it works

Step 1

The parts are clamped onto the holder



Step 2

The holder is introduced into the machine



Step 3

The program is selected



Step 4

Average of 50-60 minutes per cycle



Before DLyte



After DLyte

Comparison between Traditional Polishing and the DLyte System



Materials and applications

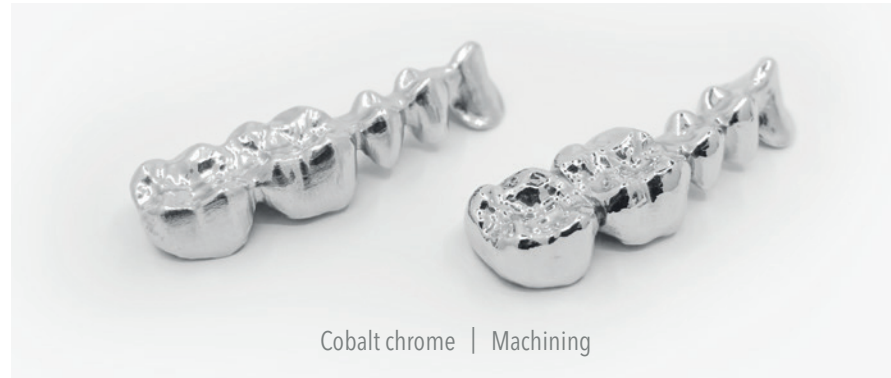
Thanks to the wide variety of dry electrolyte medias, DLyte offers a high-quality finishing for Cobalt chrome and Titanium pieces.

DLyte provides superior results for all types of fixed or removable dentures, implantology systems and orthodontic products.

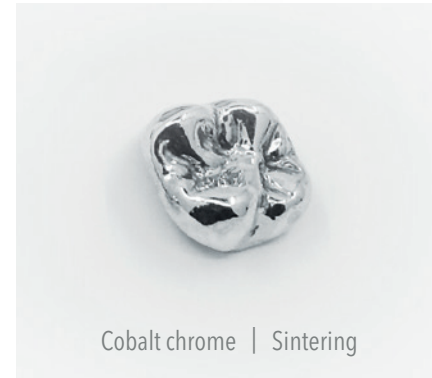


Fixed prosthesis

Polishing process from 30 to 45 minutes (depending on the type of manufacturing)



Cobalt chrome | Machining



Cobalt chrome | Sintering

Implant prosthesis

Polishing process from 30 to 45 minutes (depending on the type of manufacturing)



Titanium | Machining



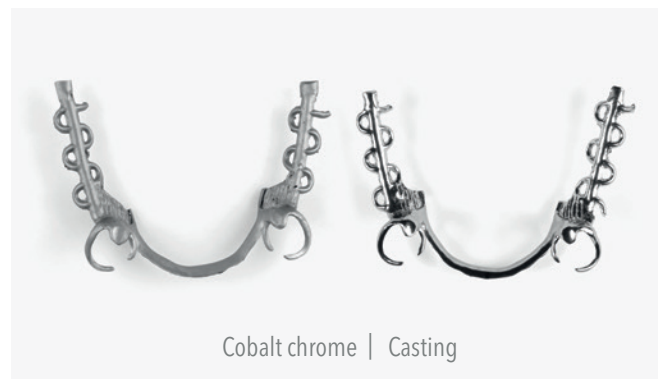
Titanium | Machining



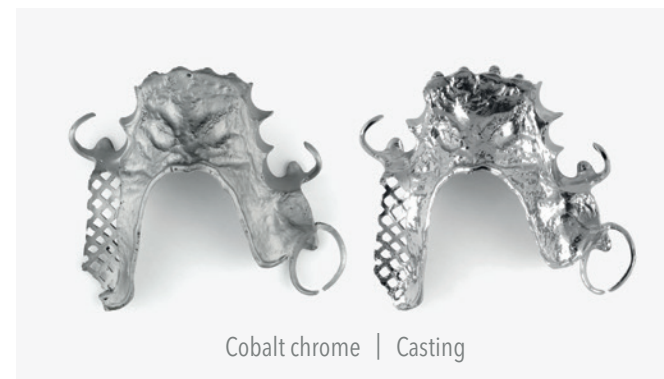
Titanium | Machining

Removable prosthesis

Polishing process from 60 to 80 minutes (depending on the type of manufacturing)



Cobalt chrome | Casting



Cobalt chrome | Casting

The results guarantee the effectiveness of our system



DLyte has proven the biocompatibility of the products processed with the DLyte System.

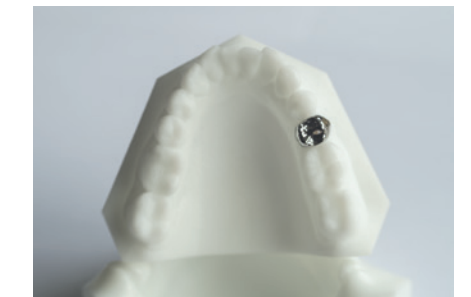
Corrosion resistance

The corrosion resistance of a piece of equipment is dependent not only on the selection of the most suitable alloy, but also on the correct treatment of the material. Many applications require a surface treatment after polishing to comply with corrosion resistance requirements. DLyte is a unique system that is able to remove roughness drastically and improve the corrosion resistance of the metal pieces while also reducing the number of processes required in the manufacturing process.

Proven biocompatibility

The medical and dental device sectors require clinically proven processes and products which ensure their compliance with the most demanding safety regulations.

The manufacturer must guarantee that the devices meet all appropriate requirements. In particular, they must perform a risk/benefit analysis and evaluate the biocompatibility and the toxicity of the materials used.



DLyte achieves better corrosion resistance than liquid electropolishing.

Improvement of the working environment

The DLyte process does not require any rubber tip, electrolytic bathing or brushing, but simply an abrasive preparation beforehand.

By reducing the traditional multi-step process, DLyte improves working conditions, and drastically reduces the toxicity of the current polishing.



From small to large production requirements

DLyte offers three equipment configurations to meet the different production capacity requirements of the dental industry. Each configuration has three versions, based on the materials that are to be treated.



DLyte1®

The most compact version. This machine is designed for laboratories with low production requirements.

TECHNICAL SPECIFICATIONS

Capacity (per cycle)	1 RPD
Machine dimensions	510 x 1150 x 690 mm
Support dimensions	510 x 690 x 680 mm
Machine weight	96 kg
Support weight	47 kg
Power	2 kW
Voltage	220-240 V
Air pressure	-

DLyte10®

This medium-sized system is easily integrated into a medium-sized laboratory.

TECHNICAL SPECIFICATIONS

Capacity (per cycle)	3 RPD
Machine dimensions	820 x 1280 x 680 mm
Support dimensions	820 x 680 x 680 mm
Machine weight	173,5 kg
Support weight	87 kg
Power	3 kW ☺
Voltage	220-240 V
Air pressure	4-5 bar

DLyte100®

The solution for laboratories with large production requirements.

TECHNICAL SPECIFICATIONS

Capacity (per cycle)	9 RPD
Machine dimensions	950 x 1410 x 730mm
Support dimensions	950 x 700 x 740mm
Machine weight	217,5 kg
Support weight	100 kg
Power	5 kW ☺
Voltage	220-240 V
Air pressure	4-5 bar

All DLyte equipment comes with a one year warranty.

* Additional services are available on request.



Training and Consulting



Warranty Extension Package



Full Service Package



Software Updates

Different versions for each configuration.

D For Cobalt chrome parts

DTi For Titanium parts

D+Ti For Cobalt chrome and Titanium parts

DESIGN | SCANNING | 3D PRINTING | MILLING | MATERIALS | POST-PROCESSING



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