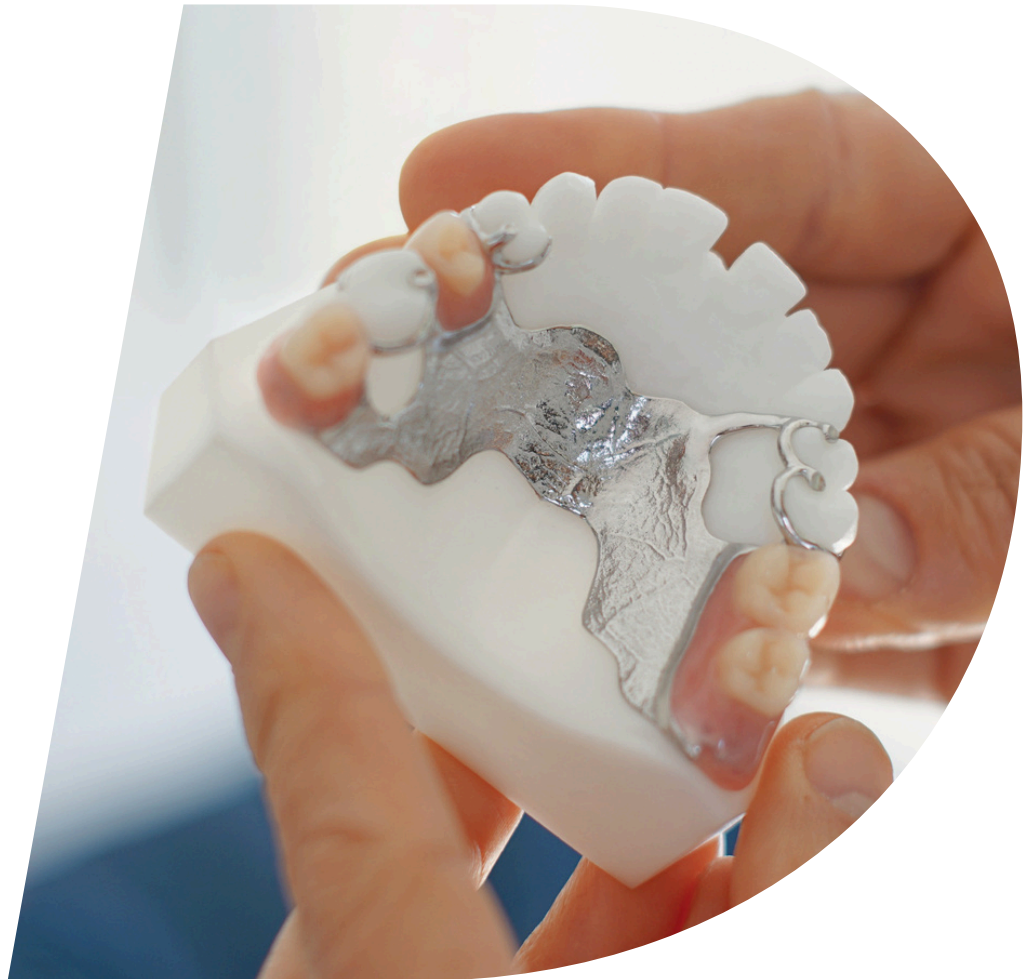


# DLyte



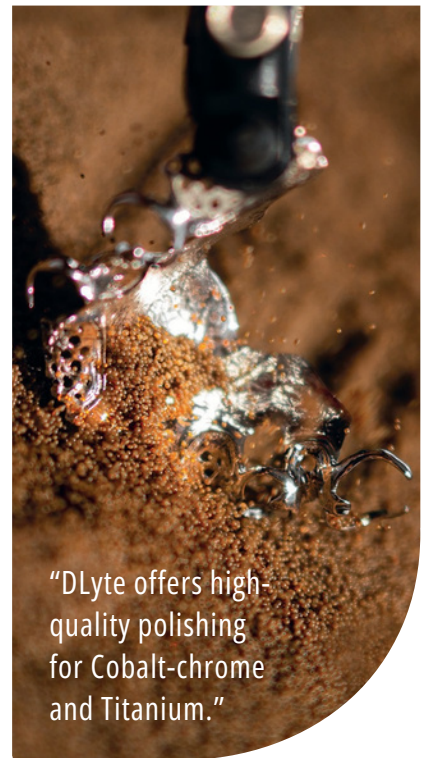
**The new standard  
in polishing**

# DLyte automates the polishing of metal dental parts, while improving quality and reducing costs

DLyte simplifies the polishing workflow of dental laboratories. From cost-effective table-top options for low-volume production to high-capacity machines to increase productivity and output, DLyte offers suitable solutions for every laboratory.

Our dry electropolishing machines and electrolyte use the patented DryLyte Technology. The processes are suitable for different applications and polishing requirements and are compatible with all cobalt-chrome and titanium alloys.

With over 650 machines installed in dental laboratories in over 40 countries, DLyte is the ultimate choice for achieving precise and superior polishing results.



“DLyte offers high-quality polishing for Cobalt-chrome and Titanium.”

## Technical benefits

High-quality finishing for any casting, sintering, or milling manufacturing process ensuring perfect fitting and consistent quality.

01. Respect tolerances and preserve initial shape

02. Perfect mirror finishing and consistent results

03. Access internal cavities and hard to reach areas

04. Increase quality, durability and corrosion resistance



# Impact on your Dental Laboratory



## 01. COST SAVINGS

Automating the polishing of dental prosthetics with DLyte significantly reduces costs by:

- + Reducing manual labor costs
- + Cobalt-Chrome and Titanium in one system
- + Eliminating tool costs
- + No defective parts

Assured return on investment in less than a year.

## 02. TIME SAVINGS

Simplifying complex multi-step polishing processes into a single step. Reduce drastically long and tedious manual polishing processes by up to 70%:

- + Automated 3-step in 1
- + No final buffing required
- + Process several parts simultaneously
- + Reduce lead time

## 03. CONTROLLED PRODUCTION

Achieve reliable, consistent, and reproducible results for different production quantities, materials and applications by:

- + Having traceable and predictable results
- + Increasing production capacity
- + Flexible and versatile production

Our equipment is adaptable to different preparation techniques and the initial surface state of the piece, which enables technicians to use a range of different polishing processes to meet their specific requirements.

## 04. WORKER'S SAFETY AND ENVIRONMENT

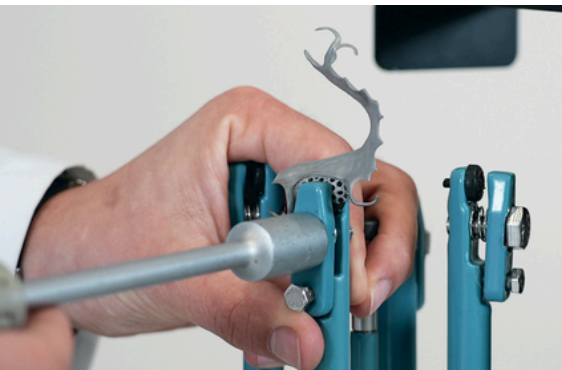
Better and safer conditions for dental technicians are assured with DLyte. There is no dust or fumes, noise, and exposure to toxicity for workers, making our process:

- + Clean and easy waste management process
- + Non-hazardous

## TRADITIONAL POLISHING PROCESS VS DLYTE



## Easy to use



**Step 1.**  
Clamp the workpieces to the holder in a fast, easy, and ergonomic process, and insert it in the machine.



**Step 2.**  
Select the desired program and press start. The machine will do automatically adjust parameters and media conductivity.



**Step 3.**  
Achieve excellent surface quality results within 30 minutes per cycle.  
\*Time will vary based on the manufacturing process and initial surface finishing state.

## Applications

Polishing process from 20 to 45 minutes depending on the type of manufacturing.

### FIXED PROSTHESIS



### IMPLANT PROSTHESIS



### REMOVABLE PROSTHESIS



### FIXTURING

Our fixturing solutions are specifically designed for quick and easy clamping of parts, ensuring a secure hold and avoiding damage. It ensures an optimal flow of media and electricity, providing consistent and homogeneous results across the entire surface. Suitable to clamp all different fixed, implant, and removable prostheses.



\*Example of DLYte scalable fixturing for crowns.

# Driving high-quality polishing solutions for Dental Laboratories

DLyte has been designed to be easily integrated in existing processes for every dental laboratory prosthetic production of cobalt chrome and titanium parts.

Different versions for each configuration:

LF For Cobalt-chrome parts

HF For Titanium parts

LF+HF For Cobalt-chrome and Titanium parts



Ultra-Compact Solutions

Compact Series

## **DLyte Desktop**

2 RPD

4 Crowns

2 Bars

## **DLyte 1**

4 RPD

8 Crowns

4 Bars

## **DLyte 10**

6 RPD

12 Crowns

8 Bars

## **DLyte 100**

12 RPD

18 Crowns

18 Bars

## 01. ULTRA-COMPACT SOLUTIONS

With a small footprint, "Plug & Play" system, and user-friendly interface, our ultra-compact solutions have been designed to consistently deliver high-quality results with minimum investment, and to be quickly implemented in your dental laboratory.

## 02. COMPACT SERIES

Designed to consistently deliver precise and superior polishing results for large-quantity productions, thanks to its robust hardware and high-performance power electronics. These machines incorporate refrigeration and automatic electrolyte addition systems, allowing uninterrupted and efficient polishing.

## ELECTROLYTE

Our wide range of electrolytes has been validated and is compatible with all cobalt-chrome and titanium alloys, offering a variety of polishing applications with superior results. This adds value to your dental laboratory, as it can supply long-lasting, corrosion free, bio-compatible and perfectly polished implants ensuring patient comfort.



## SERVICES

Personalized assistance is assured throughout the product implementation and life cycle in your dental laboratory.



SAMPLE  
PROCESSING



TRAINING &  
CONSULTING



FULL SERVICE  
PACKAGE



MAINTENANCE  
SERVICES



SOFTWARE  
UPDATES



CUSTOMER  
CARE

Powered by **DryLyte** Technology

The patented DryLyte Technology, electrochemical polishing which uses active solid particles, is protected by patents owned by DryLyte S.L. GPAINNOVA owns the exclusive right to sell the DryLyte Technology, and only companies authorized by GPAINNOVA have the right to utilize or distribute the equipment and consumables using the DryLyte Technology.

This product is protected by one or more of the following patents and patent applications:  
 Patents <https://www.gpainnova.com/patents>



Founded in Barcelona in 2013 and settled in Sunrise (Florida, USA), Hong Kong and Shenzhen (Mainland China), GPAINNOVA specializes in surface finishing solutions for metal and alloy parts through DLyte. The group designs, manufactures, and

markets advanced surface finishing machinery, accessories, and consumables based on their patented dry electropolishing technology, DryLyte.

**FESMO**

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**Desde 1968 - À serviço da Indústria com Qualidade e Tecnologia**