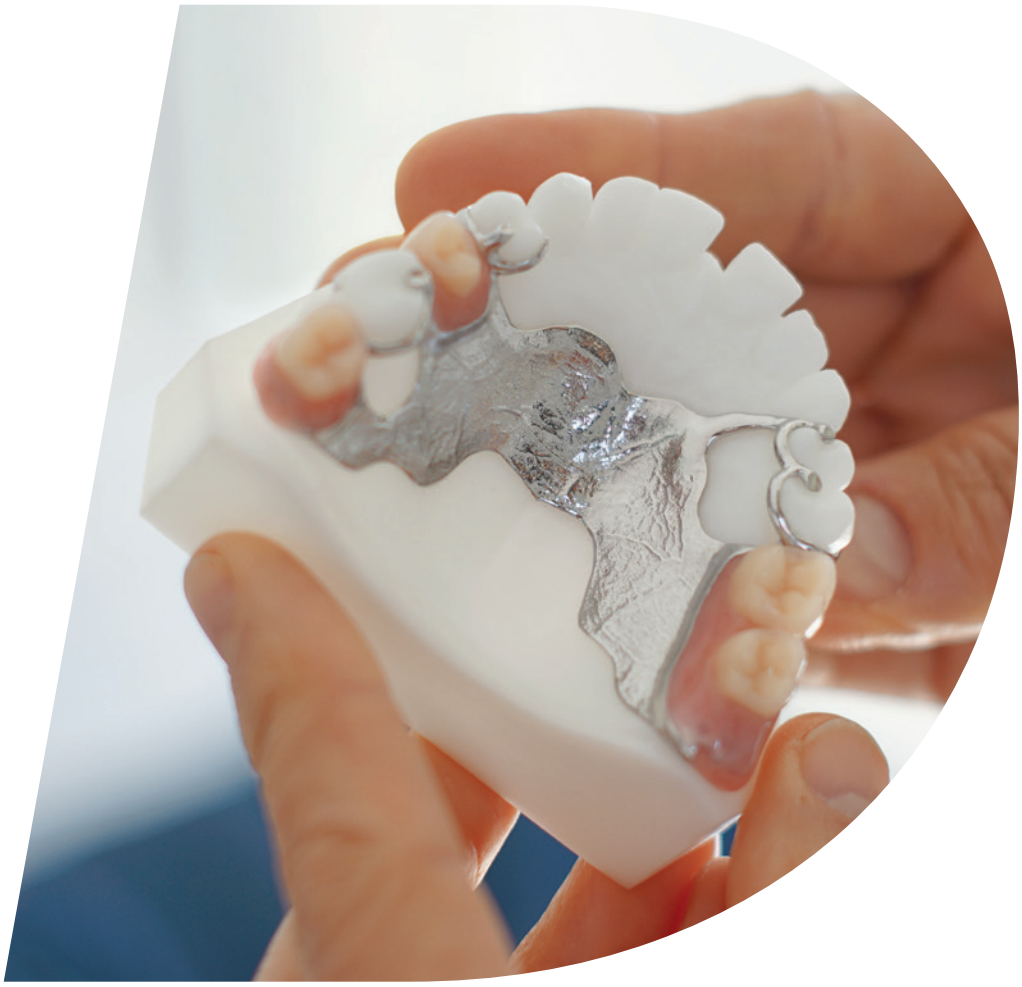
DLyte Dental_V.7ENG_05/ 2025

DLyte



THE STANDARD IN POLISHING

A brand of
GPAINNOVA

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 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 1,000 machines installed in dental laboratories in over 40 countries, DLyte is the ultimate choice for achieving precise and superior polishing results.



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**

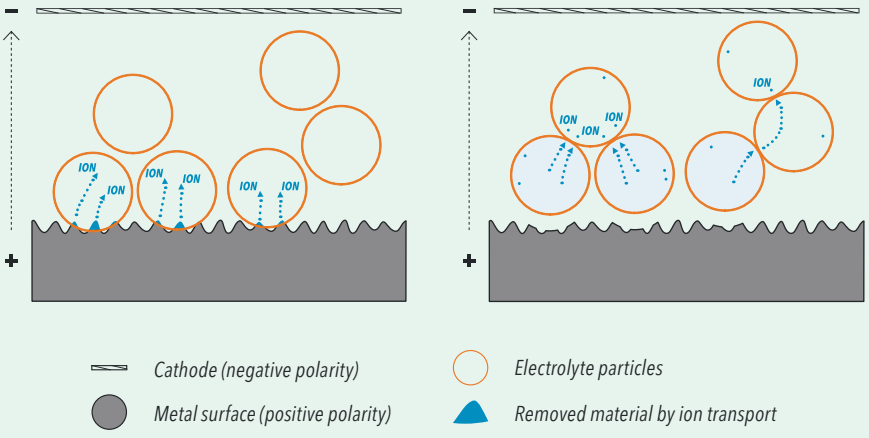
02. **Perfect mirror finishing and consistent results**

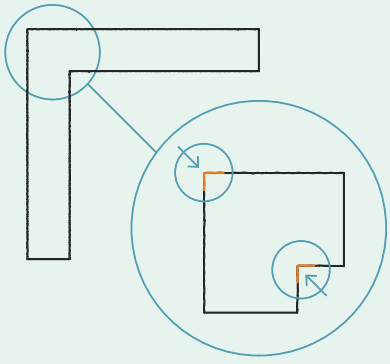
03. **Access hard-to-each áreas**

04. **Increase quality, durability and corrosion resistance**

Patented technology for grinding and polishing metals by ion transport using free solid bodies.

DryLyte® Technology





The process does not round edges and can penetrate the internal cavities of the piece.



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**

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:

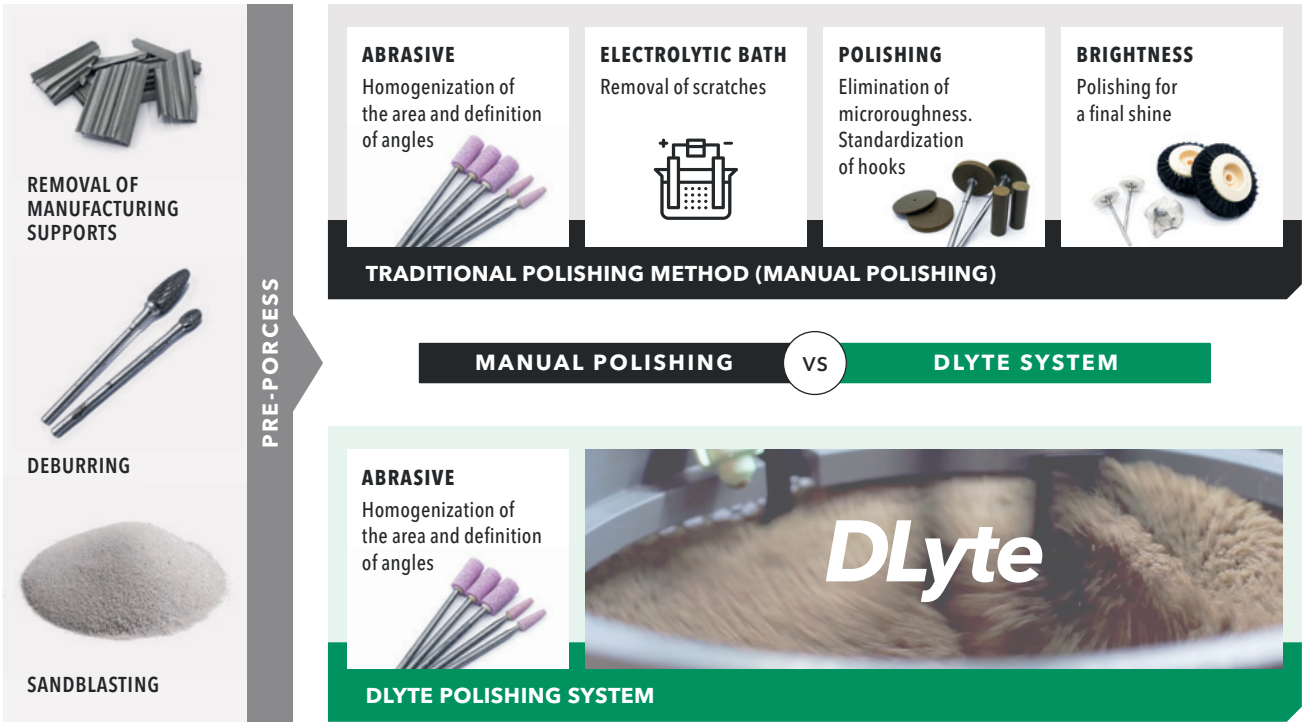
+ **Having traceable and predictable results**
+ **Increasing production capacity**
+ **Flexible and versatile production**

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.

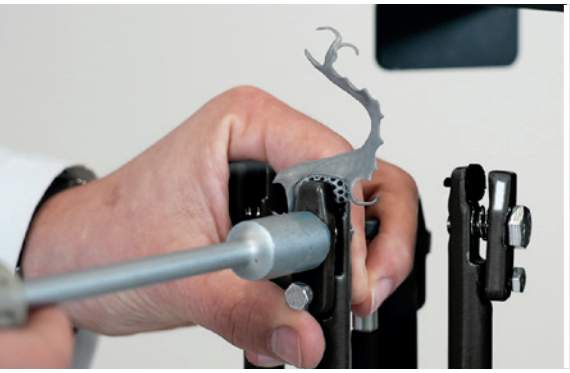
04. WORKER'S SAFETY AND ENVIRONMENT

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**



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





ORTHODONTICS





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.







DLyte mini First	DLyte mini	DesktopPRO
1 RPD	2 RPD	2 RPD
4 Crowns	4 Crowns	4 Crowns
		2 Bars

Parts per cycle







DLyte 1	DLyte 10	DLyte 100
4 RPD	6 RPD	12 RPD
8 Crowns	12 Crowns	18 Crowns
4 Bars	8 Bars	18 Bars

Parts per cycle

01. ULTRA-COMPACT SOLUTIONS

DLyte mini and mini First for Cobalt-chrome parts
DLyte Desktop PRO for Cobalt-chrome and Titanium parts

02. COMPACT SERIES

Different versions for each configuration:
LF *For Cobalt-chrome parts* **HF** *For Titanium parts*
+HF *For Cobalt-chrome and Titanium parts*

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 additivation 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



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Founded in Barcelona in 2013 and settled in Sunrise (Florida, USA), Monterrey (Mexico), and Hong Kong and Shenzhen (Mainland China), GPAINNOVA specializes in surface finishing solutions for metal and alloy parts through DLyte. The group develops, manufactures and markets advanced surface finishing machinery, accessories and consumables based on the patented, disruptive dry electropolishing technology (DryLyte).

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