

CADTools

together with

DLyte

All the advantages of a DLyte polishing machine
in one compact system

DLyte Desktop



For your successful future

We are partners

According to the vision as “leading counterpart for more added value in dental technology” a cornerstone has been laid, which directs actions in our company.

Best quality and a **fair price-performance ratio** combined with **transparency** and **simplicity** are our corporate principles.

These values shape our strengths and create your success.

In our day-to-day cooperation, we concentrate on the fundamental issues that make an essential contribution to long-term value creation - economically and ecologically.

All these trend-setting guidelines serve one goal: not to leave your side as a long-term and reliable partner.

In order to better respond to the special wishes and needs of our target group - dental laboratories from all over Germany and Europe - we entered into a future-oriented cooperation with the innovation leader **GPAINNOVA** in 2021.

GPAINNOVA is a Spanish technology company founded in 2013 with offices in Barcelona, Miami, Hong Kong and Shenzhen, which specializes in metal surface treatment machines and medical devices, among others.

Together for you.

CADTools **GPAINNOVA**

Businesspartner of CADdent®

Markus Förg
Customer Service
and Sales



Benjamin Lauer
Technical Support
and Sales



Always there for you with joy and enthusiasm

Our colleagues are at your side and support you exactly in whatever is important to you. Whether technical support or simple queries - we want to be your team player, simplify your processes and that at any time.

At MINDFAB we have a clear focus: you as a customer and partner.

Give us a call!

Phone: +49 821 455252-0 or email: augsburg@cadtools.eu

The prices for the respective products can be found on pages 14 - 15.

Enjoy the information, areas of application and possibilities on the following pages.

All the features from a DLyte machine, now available in ultra-compact system

The new **DLyte Desktop** is an ultra-compact system that gathers all the advantages of any DLyte system available now on the market. This new equipment allows any company (no matter about its size), to access the disruptive dry electropolishing technology and it is accessible to small laboratories and workshops.

From grinding to mirror finishing, this new set-up offers a new handy way to process any casting, sintering or milling metal parts.

fast & accurate · accessible · clean & safe

DLyte Desktop

the revolution in Metal Surface Finishing

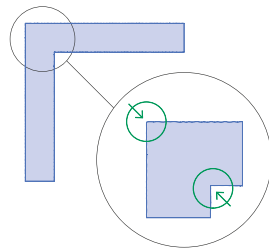
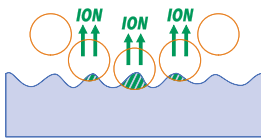
How it works



TECHNOLOGY INTRODUCTION

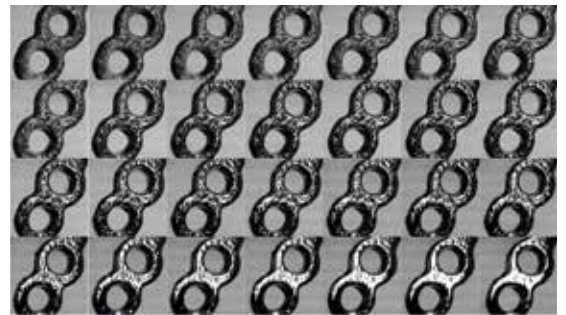


Powered by DryLyte Technology, *DLyte Desktop* works by combining the electrical flow created by the **high precision** rectifier with the movement of the pieces through the electropolishing media. This results in an ion exchange, removing material only from the peaks of roughness. The process does not round edges and can access internal corners that are not easily accessed mechanically.



The process removes material only from the peaks of the roughness.

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



Macro sequence of a DryLyte Technology Polishing Process.

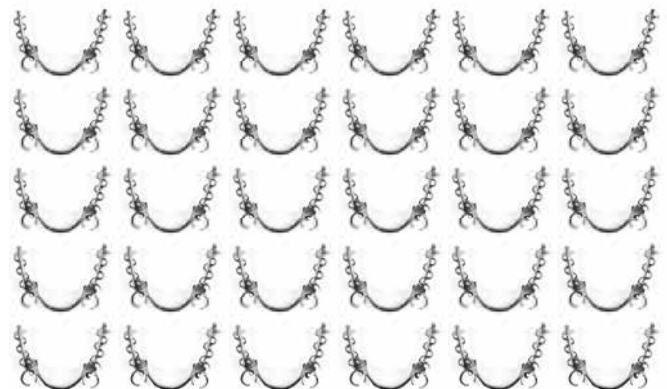
Fast & Accurate

DLyte Desktop combines the exceptional performance of DryLyte technology with the ease of a plug-and-play system, allowing a high-quality surface finishing as manual polishing process. The advanced dry electropolishing technology ensures minimal material removal, geometry preservation and a brilliant shine.



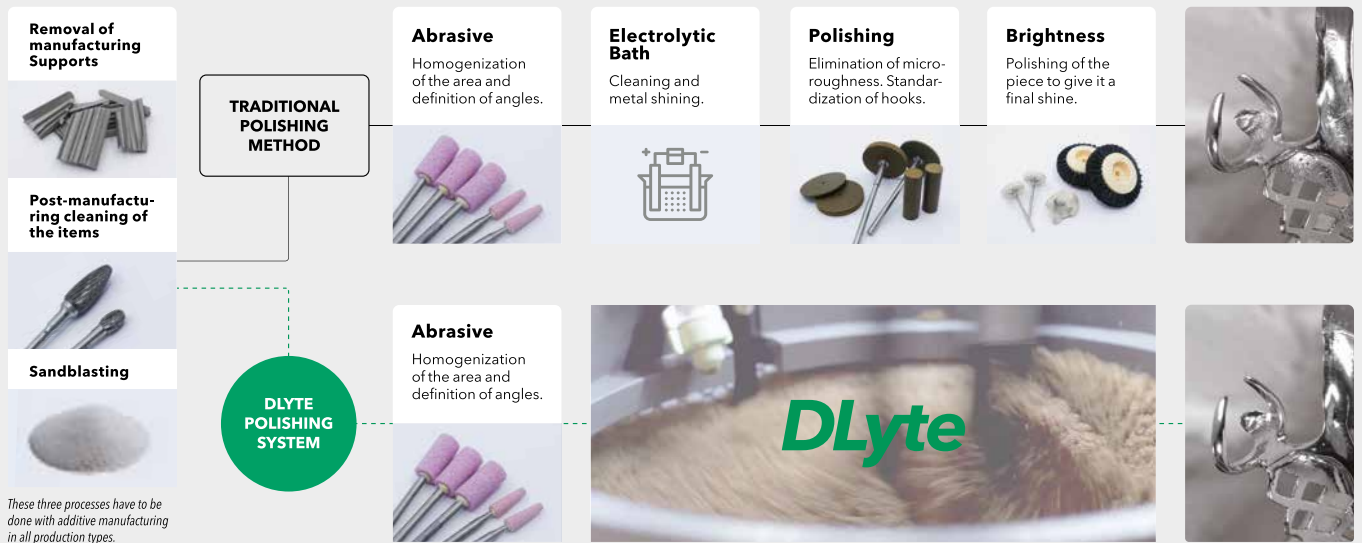
Consistency and durability

Our automated surface finishing ensures uniformity between batches and parts so that every part meet your specifications.



Reduce the number of steps in your polishing process

With DLyte Desktop metal framework are homogeneously finished, **up to 10 times work faster than any other equipment***. DLyte increases productivity and allows any technician to focus in high-value activities while the equipment is finishing the parts.



*Source: Internal surveys among DLyte's customers (2020)

Accessible to all

With a wide range of materials, easy-to-use platform, and affordable, DLyte Desktop offers high-quality surface finishing that every laboratory can access.

Plug and play

In a matter of minutes, users can begin surface finishing metal parts from the comfort of their desktop. Pre-set settings and opt-in advanced controls allow every technician to finish high-quality metal parts at the press of a button.

Except a standard household electrical plug, the DLyte Desktop does not require special installation.



Quick coupling and releasing of the holder

The new and convenient holder fixation system with easy pressure and automatic locking system reduces the loading and unloading times.



Advanced and intuitive interface

Any professional will learn how to use DLyte Desktop easily, without prior knowledge.



Affordable

Allowing automation with excellent quality, DLyte Desktop PRO™ offers unrivaled utility at just a fraction of the cost per piece of any other surface finishing method. With DLyte Desktop PRO, technician can automate surface finishing with high quality, speed, and affordable.

Ultra-compact, high-finishing result, accurate and affordable. The new Dlyte Desktop PRO offers a state-of-the-art solution for all kind of dental laboratories. Additionally, maintenance and consumables provide an unbeaten cost per piece.



TECHNICAL SPECIFICATIONS

Capacity (per cycle)	1 RPD
Machine dimensions	465 x 465 x 510 mm
Machine weight	20 kg
Power	1 kW
Voltage	110 V / 220-240 V

Ultra-compact & silent

The equipment boasts the latest technology and fits it all into a tiny box. It is extremely space-saving as it can be operated on top of a table of 465 x 465 mm. When space is a matter DLyte Desktop makes the difference as it brings high output in a very small case. The new mechanical design ensures an exceptional smooth and silent operation.



Clean & Safe

The automation of surface finishing with DLyte Desktop protects technician from the exposure to the chemical **agents related to hand polishing at work. The consumables used are safe and clean**, without hazards of chemical liquids waste or dust during the process.



Simple electrolyte handling and storage

The use of a solid electrolyte guarantees an easy, quick and safe electrolyte media loading and unloading.

The 3L electrolyte container can be exchange in less than a minute. This effortless step guarantees an optimization of each operating steps. When removed, the electrolyte is closed and stored at room temperature.

Easy maintenance

DLyte Desktop PRO has been designed with high-quality components and outstanding design reducing failures, guarantying low maintenance cost.

In case of failure, this new system can be fixed in less than an hour, thanks to a new removable electrical box.



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

Surface finishing treatment is performed



Before DLyte



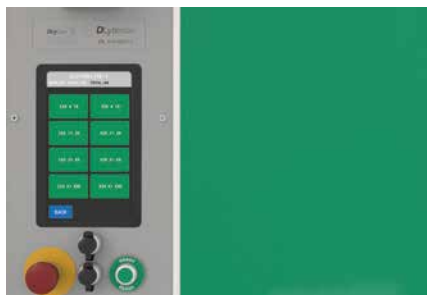
After DLyte

Impact on your business



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.



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.



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.

**REDUCE COSTS
BY UP TO 80 %**

**MAKE YOUR
PRODUCTION
MORE FLEXIBLE**

**STANDARDIZE
YOUR PRODUCT**

Holding and fixing

Dlyte Desktop PRO's standard package includes one holder finger, to hold one single piece.



Thanks to the additional holder Spring Desktop, you will be able to hold multiple small pieces, taking advantage of their through holes. Please contact our customization service to find the solution that meets your needs.

Lower costs

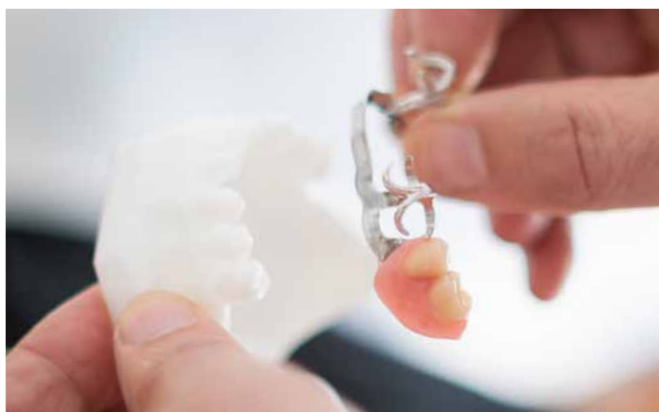
The treatment does not require manual processing, reducing labor costs and eliminating the need to rework parts and the production of defective parts.



The dust emitted during manual polishing is dangerous for health.

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.

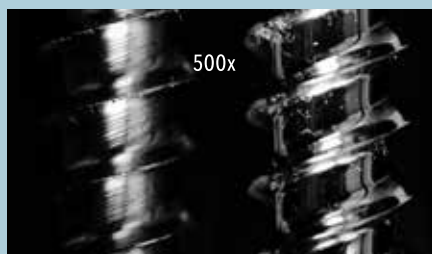


Controlled workflows

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.



Benefits of the technology



1 Achieves **homogeneous** results across the surface and eliminates micro-scratches. The system works efficiently at micro and macroscopic level.



2 **Geometry preservation.** Respects the tolerances and preserves the initial shape, even the cutting edges. It is not rounding the edges as there is no abrasion of the surface.



3 **Best in class surface roughness** (Ra under 0,01 micrometers)



4 **Repeatability and homogeneity** guaranteed. DLyte process guarantees stable results among different batches within the electrolyte media lifespan. There is no wear as would typically occur with abrasive particles.



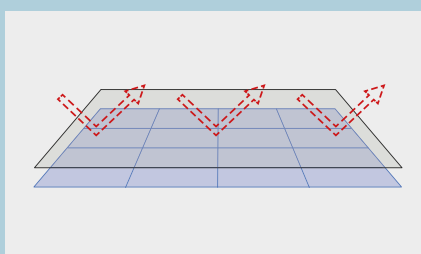
5 Up to **10 x faster** than current processes, replaces multiple process steps and **competitive cost** per part.



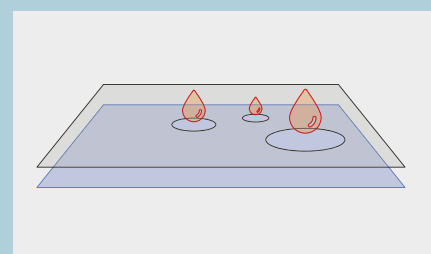
6 **Biocompatibility** proven. **Clean, non-hazardous** and easy waste management. Alternative abrasive processes lead to extremely dusty and noisy environment.



7 Enhances negative surface skewness (rsk) which increases the surface bearing contact area (allowing uniform lubricant film distribution) **improving the bearing ratio and reducing the friction** between the pieces.



8 Avoids generating grinding texture patterns, **improving wear and fracture resistance, and improving fatigue resistance.** Isotropic surfaces.



9 DLyte is the only system able to remove roughness and **improve the corrosion resistance** of the metal pieces at the same time reducing the number of processes required in the manufacturing process.

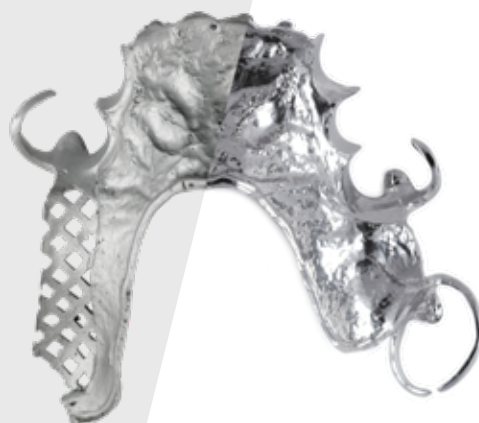
DLyte DENTAL

The First **Dry** Electropolishing System

Price list DLyte and Accessories

fast & accurate · accessible · clean & safe

The new DLyte desktop is an ultra-compact system that combines all the advantages of the currently available DLyte systems.



PRICE LIST 2022

MACHINERY	DESCRIPTION	CODE	PRICE
Dlyte Desktop PRO	Dlyte Desktop PRO, including a holder and standard software package for 3 materials (CoCr, stainless steel, titanium)	GPA014000	15.000 €
Dlyte Desktop Dental	Dlyte Desktop Dental, including a holder and standard software package for CoCr connection 230 V	GPA014220	13.500 €

SOFTWARE PACKAGES

MODEL	DESCRIPTION	CODE	PRICE
CoCr Group	Software to treat Cobalt Chrome materials	GPA013170	Included with the machinery
Stainless Steel Group	Software to treat Stainless Steel materials	GPA013171	
Titanium Group	Software to treat Titanium Group materials	GPA013172	
Copper Group	Software to treat Copper Group materials	GPA013173	750 €
Nickel Group	Software to treat Nickel Group materials	GPA013174	750 €
Aluminium Group	Software to treat Aluminium Group materials	GPA013175	750 €
Steel Group	Software to treat Steel Group materials	GPA013176	750 €
Full software package (all materials)	Software to treat all Group materials	GPA013177	3.000 €

ACCESSORIES

MODEL	DESCRIPTION	CODE	PRICE
Holder Finger Desktop	Holder for polishing of individual parts	GPA013035	180 €
Holder Spring Desktop	Holder designed to polish multiple pieces such as rings with holes bigger than Ø 1 mm	GPA012376	180 €
Thread holder Desktop	Thread holder for polishing of abutments	GPA013740	180 €

ELECTROLYTES

MODEL	DESCRIPTION	CODE	PRICE
CoCr 01	Electrolyte to treat CoCr pieces	10421000001	300 €
Ti 01	Electrolyte to treat Titanium pieces	1140003032	450 €

from technician to technician

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