DLyte mini_V.5ENG_05/2025

DLyte



mini series

The way mirror finish is made easy and affordable

A brand of
GPAINNOVA

The ultimate ultra-compact polishing solution for dental laboratories

DLyte Mini achieves mirror-finishing results for Cobalt-Chrome RPDs, crowns, bridges, and bars. Its finishing processes respect complex geometries, tight tolerances, and it is fully repeatable. It is perfect for low production volumes seeking high-quality results in one or two steps. Its small footprint allows for quick implementation in any dental laboratory. The holder and machine head are designed for efficient, automatic cleaning after the polishing process.





01. Short processing time in a compact design
02. High profitability and short payback time
03. Environmentally friendly
04. Respect tolerances and preserve original shape
05. Mirror finishing and homogeneous results
06. Improved passivation and corrosion resistance
07. Low material removal



REMOVAL OF MANUFACTURING SUPPORTS



DEBURRING



SANDBLASTING

PRE-PORCESS

ABRASIVE
Homogenization of the area and definition of angles



ELECTROLYTIC BATH
Removal of scratches



POLISHING
Elimination of microroughness. Standardization of hooks



BRIGHTNESS
Polishing for a final shine



TRADITIONAL POLISHING METHOD (MANUAL POLISHING)

MANUAL POLISHING VS **DLYTE SYSTEM**

ABRASIVE
Homogenization of the area and definition of angles





DLYTE POLISHING SYSTEM

Automated polishing and cleaning

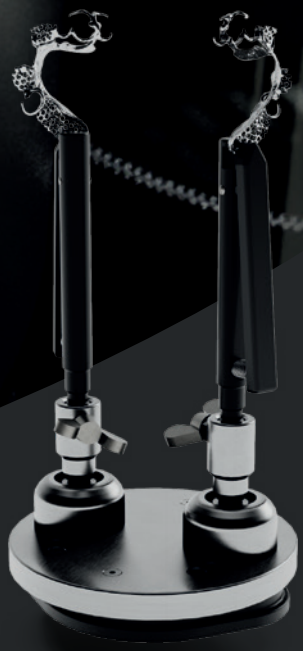
The DLyte Mini Series is the ultimate ultra-compact polishing solution for dental laboratories, offering automated, high-quality metal polishing with scalable options to match different workflow needs and investment levels. Designed to streamline and standardize surface finishing, the DLyte Mini range ensures consistent, repeatable results while reducing manual labor.

Advanced RPD clamping process

Our efficient fixturing system allows you to clamp two RPDs quickly and easily, in just seconds. It reduces manual work and saves time and effort.

Mirror finishing in 5 minutes

The second polishing unit performs brightness process in just five minutes. It uses the same polishing head and a cleaning system for seamless integration.





DLyte Mini's 5-step process

Load the parts into the holder and insert it into the polishing unit. Attach the motor head, select the program, and start the 20–40 minute cycle. After polishing, place the holder in the brightness unit for a 5 minutes process. Then, unload the finished parts.

DLyte mini models for each need

From entry-level affordability to high-productivity configurations, each model is tailored to different usage intensities:





DLyte mini First

Superior finish for a single RPD

1 RPD per cycle

Two-step process (smoothing & brightening)

1 polishing unit

1 brightness unit

** The **cooling system** guarantees continuous operation during intensive polishing cycles.*



DLyte mini Basic

Affordable automation 2 RPDs

2 RPDs per cycle

Single-step polishing **(with cooling system)***

1 polishing unit

2 rinsing container



DLyte mini Basic Plus

Full polishing process at low cost

2 RPDs per cycle

Two-step process (smoothing & brightening)

1 polishing unit **(with cooling system)*** + 1 brightness unit

1 rinsing container



DLyte mini Dual

Ideal for high-demand workflows

2 RPDs per cycle

Two-step process (smoothing & brightening)

1 polishing unit **(with cooling system)*** + 1 brightness unit **(with cooling system)***

4 rinsing containers



DLyte mini Dual Plus

Maximum efficiency and productivity

4 RPDs per cycle

Two-step process (smoothing & brightening)

2 polishing unit **(with cooling system)*** + 2 brightness unit

+ 2 polishing heads, allowing two cycles of 2 RPDs at once

2 rinsing containers

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



SPAIN

GPAINNOVA Headquarters

Carrer Maracaibo, 1, sheds 2-6,
08030 Barcelona (Spain)

P. (+34) 931 256 536
info@gpainnova.com

AMERICA

GPAINNOVA America Corp.

15491 SW 12th St. Suite 405,
Sunrise, Florida, 33326 (USA)

P. (+1) 954 530 8277
officeusa@gpainnova.com

ASIA

GPAINNOVA Asia

Room 1450, 14/F, Eton Tower, 8 Hysan Avenue, Causeway Bay, HongKong
香港銅鑼灣希慎道8號裕景商業中心14樓1450室

P. (+852) 291 229 12
officeasia@gpainnova.com

CHINA

GPAINNOVA Shenzhen

Room 1412, 13/ f, Tower A, Building 2, Chuangwei Innovation Valley II, Tangtou Rd, Shiyan St, Baoan district, Shenzhen City, Guangdong province

P. (+86) 755 2310 8096
officeasia@gpainnova.com

MEXICO

GPAINNOVA México

Aarón Sáenz, 3910, Monterrey,
NL, Mexico, CP 64950

P. (+52) 812 746 0139
infomx@gpainnova.com

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).