


# *DLyte 100PRO*

The DLyte100PRO is the largest compact machine for industrial applications. It combines a planetary movement and a vertical backand- forth motion inside the drum containing the electrolyte media. It is suitable to treat materials included in the steel, cobaltchrome, titanium, copper-based, nickel-based and aluminium groups. Its advanced PLC-based electronics allows to apply asymmetric pulses with low and high frequency, and parameter concatenation.

DLyte 100PRO's electrolyte lifespan is linked to metal extraction, as it is able to calculate the remaining media lifespan of the electrolyte taking into account material removal. Thanks to the independent conductivity and temperature probes, it offers readings to the automatic electrolyte conditioning system to optimize performance and its usable life. The advanced software logs key parameters and warnings of the process, thus assuring traceability of the processed batch. All data can be easily extracted and analyzed through the ethernet and usb ports.

The hardware is designed with robust and reliable mechanics to work continuously in mass production. It allows to have an easier access for maintenance and operation. Its new safety system includes a warning light tower which indicates the machine status, an external pneumatic stop cock for safe operations.

*Cathode set and holder are not included. Light tower, anti-vibratory support, conductivity and temperature calibration system are included.*
** DLyte 100PRO Cooled includes anti vibratory support with refrigeration system.*

* The Products included in this document may be protected by one or more patents and patent applications detailed at: https://www.dlyte.com/patents/

**®2025 DLyte. Brand of GPAINNOVA. All rights reserved. Subject to change without notice.**

## 01. MACHINE SPECIFICATIONS

| | | |
|---|---|---|
| TECHNICAL DATA | Work piece weight capacity | 8 kg |
| | Bucket capacity (per cycle) | Ø180 x 80 mm |
| | Machine dimensions (L x W x H) | 1025 x 870 x 2395 mm |
| | Machine weight | 283 kg |
| | Support weight | 93 kg (160 kg for cooled version) |
| ELECTRICAL | Power (Main socket) | 3.5 kW |
| | Full load current (Main socket) | 15 A |
| | Power (Chiller socket) | 1.3 kW (only for cooled version) |
| | Current consumption (Chiller socket) | 6 A (only for cooled version) |
| | Voltage | 230 V~ ±10 % (1Phase+N+PE) |
| | Frequency | 50 - 60 Hz |
| | Grounding connection | TN-S system |
| | Power cable extension | 3 m |
| | Power connector type | CETAC 32A plug 2 poles + PE |
| | Applicable earth leakage breaker | Rated current : 25 A<br>Sensitivity current : 30 mA<br>Note: To be prepared by customer |
| | Cable Qty x size (including ground) | 3 cores × 4.0 $mm^2$ |
| HYDRAULIC | Distilled water tank capacity | 9 L |
| PNEUMATIC | Air pressure | 4 - 5 bar |
| | Air hose inlet | Ø8 mm or 1/4' BSP |
| | Air quality | [5:4:4] according to ISO 8573-1<br>Filter[5]: ≤ 1 µm; Air dryer, [4]: Dew point < 3°C; Oil[4]: ≤ 5 $mg/m^3$ |
| | Line air supply | 40 L/min |
| ENVIRONMENTAL | Acoustic pressure emission | < 70 dB(A) |
| | Operating temperature | +5 °C to +35 °C |
| | Storage temperature | -10 °C to +70 °C |
| | Recommended humidity | 30 - 70 % RH without condensation |
| | Machine Index Protection | IP20 |
| | Electric cabinets and peripherals IP | IP22 |

* The Products included in this document may be protected by one or more patents and patent applications detailed at: https://www.dlyte.com/patents/

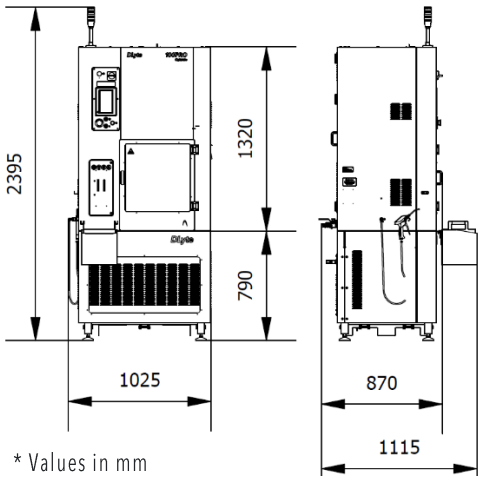
**®2025 DLyte. Brand of GPAINNOVA. All rights reserved. Subject to change without notice.**

| | | |
|---|---|---|
| OPERATIONAL | Main turning | Yes |
| | Auxiliar turning connector (holder motor) | Yes |
| | Vertical movement | Yes |
| | Holder vibration connector | Yes |
| | Base vibration | Yes |
| | External pneumatic stop cock | Yes |
| | HMI size | 7" |
| | Tower light | Yes |
| | Media refrigeration | Yes |
| | Air cleaning gun | Yes |
| | Cleaning bucket | Yes |
| | Holder mixer | Yes |
| | Tester tool | Yes |

## 02. BUCKET

| | | |
|---|---|---|
| TYPE | Cathode Set Dry Electrolyte | Yes |
| | Cathode Set Dry Suspension Electrolyte | Yes |
| | Cathode Set Dry Suspension Electrolyte with refrigeration system | Yes |
| CAPACITY | Electrolyte capacity | 16 L |

## 03. TECHNICAL DRAWING




* Values in mm

* The Products included in this document may be protected by one or more patents and patent applications detailed at: https://www.dlyte.com/patents/

®2025 DLyte. Brand of GPAINNOVA. All rights reserved. Subject to change without notice.