



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, cobalt-chrome, 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.

FINISHING PROCESSES

- + Precision finishing
- + Smoothing
- + Mirror finishing
- + Deburring
- + Rounding
- + Corrosion resistance
- + AM post-processing

Workbowl 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.*

TECHNICAL DATASHEET. DLYTE 100PRO

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, and antisabotage security system.

01. MACHINE SPECIFICATIONS

TECHNICAL DATA

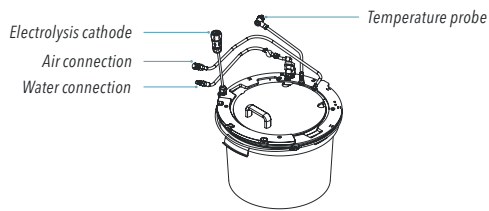
Capacity (per cycle)	180 Ø x 80 mm (maximum volume centered to the axis)
Machine dimensions	950 x 1,320 x 889 mm
Support dimensions	950 x 786 x 710 mm
Machine weight	241 kg
Anti-vibratory support weight	93 kg
Anti-vibratory support with refrigeration system weight	144 kg
Power (single phase with industrial plug)	5 kW (single phase with industrial plug) ☺
Voltage	230 V
Air pressure	4-5 bar (air connector: 8mm or 1/4' BSP')
	Consumption of 40 l/min. The air quality must be 5:4:4* according to ISO 8573 . (*) Air quality required for a maintenance every 6 months (change of filters).
Storage capacity (Anti-vibratory support)	231 l
Distilled water tank capacity	6.5 l (drain valve included)
External antisabotage valve	Yes
Noise level	<70 dB(A)
HMI size	Touchscreen LCD TFT 7"
Auxiliar 24 V connector inside cabin for holder accessories	Yes
Tower light	Yes
Frequency	50-60 Hz
Index of protection	IP20 (polishing module)
Main axial turning	Yes
Vertical (up/down)	Yes
Holder vibration	Yes
Media refrigeration	Yes

TECHNICAL DATASHEET. DLYTE 100PRO

02. WORKBOWL

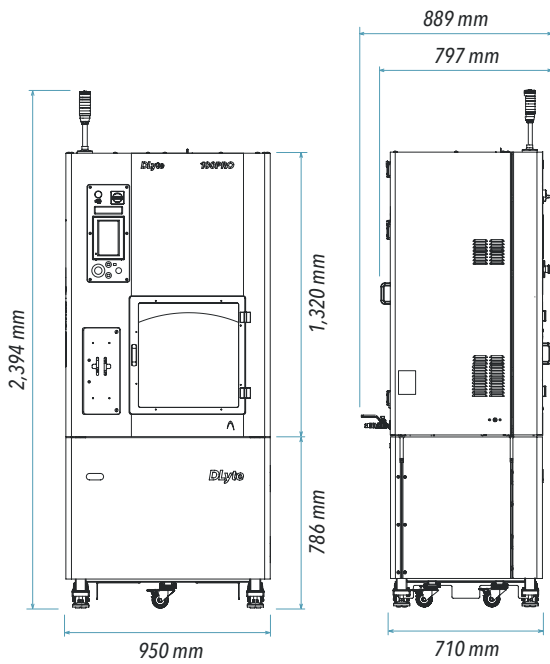
TYPE	Cathode Set Dry Electrolyte
	Cathode Set Dry Suspension Electrolyte
	Cathode Set Dry Suspension Electrolyte compatible with refrigeration system

CAPACITY	Workbowl volume	16 L
	Working volume	180 Ø x 80 mm (maximum volume centered to the axis)

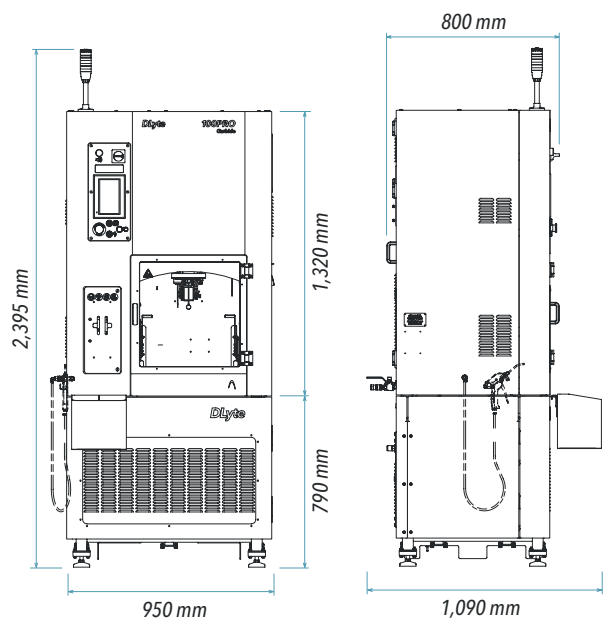


03. TECHNICAL DRAW

100PRO



100PRO Cooled



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