

DLyte 10PRO

DLyte 10PRO is a metal surface finishing equipment using the dry electropolishing technology, suitable for companies with medium manufacturing volume. 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.

DLyte 10PRO'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.

Workbowl, cathode set and holder are not included. Light tower, anti-vibratory support, conductivity and temperature calibration system are included.

** DLyte 10PRO Cooled includes anti vibratory support with refrigeration system.*

01. MACHINE SPECIFICATIONS

TECHNICAL DATA (1/2)

Capacity (per cycle)	140 Ø x 75 mm (maximum volume centered to the axis)
Machine dimensions	820 x 685 x 1,280 mm
Support dimensions	820 x 695 x 790 mm
Machine weight	174 kg
Anti-vibratory support weight	64 kg
Power (single phase with industrial plug)	3 kW (single phase with industrial plug) ☺
Power (Chiller)	1.3 kW
Voltage	230 V ± 10% (1P+N+PE)*
Air pressure	4-5 bar (air connector: 8mm Ø 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).	
Distilled water tank capacity	3 L (drain valve included)
External antisabotage valve	Yes
Noise level	<70 dB(A)
HMI size	7"

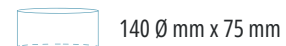
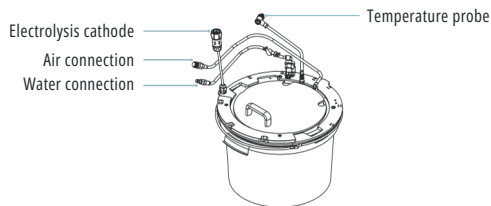
01. MACHINE SPECIFICATIONS

TECHNICAL DATA (2/2)	Auxiliar 24 V connector inside cabin for holder accessories	Yes Yes 50-60 Hz IP20
	Tower light Frequency Index of protection Main axial	(polishing module) Yes
	turning Vertical (up/down) Holder vibration Media	Yes Yes Yes
	refrigeration	

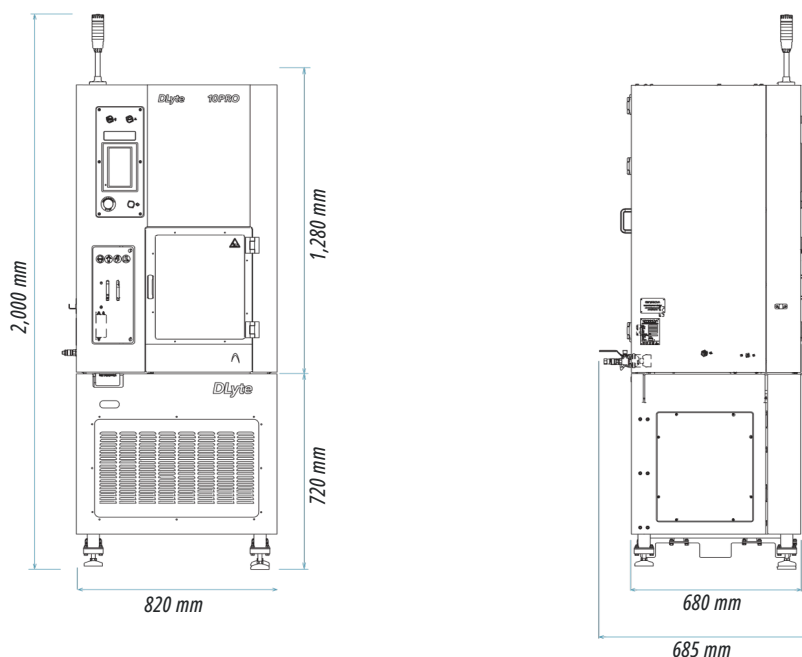
02. WORKBOWL

TYPE	Cathode Set Dry Electrolyte
	Cathode Set Dry Suspension Electrolyte

CAPACITY	Workbowl volume	9 L
	Working volume	140 Ø x 75 mm (maximum volume centered to the axis)



03. TECHNICAL DRAW



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