

## DLyte 10PRO Carbide CT

DLyte 10PRO Carbide CT 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 back-and-forth motion inside the drum containing the electrolyte media. It is suitable to treat materials included in the hard metal, steel, cobalt-chrome, titanium, copper-based, nickel-based and aluminium groups. The DLyte 10PRO Carbide CT Advanced PLC based electronics allows to apply asymmetric pulses required to process carbides and a wide range of materials from low to high frequency, and parameter concatenation. In addition, it allows to control the holder rotation's speed and direction, to precisely apply movements on each piece of the batch, ensuring homogeneous results.

DLyte 10PRO Carbide CT 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.

A refrigeration system is available to be installed inside the antivibratory support, to control and stabilize the Dry Suspension electrolyte temperature and ensure a more consistent, uniform, and uninterrupted production.

*Workbowl and holder are not included.*

*The DLyte 10PRO Carbide CT Machine includes an anti-vibratory support with refrigeration system, a light tower, and a conductivity calibration system.*

### 01. MACHINE SPECIFICATIONS

#### TECHNICAL DATA (1/2)

Capacity (per cycle)	140 Ø x 75 mm (maximum volume centered to the axis)
Machine dimensions	818 x 1,175 x 692 mm
Support dimensions	818 x 803.61 x 692 mm
Machine weight	225 kg
Anti-vibratory support weight	104 kg
Power (single phase with industrial plug)	3 kW (single phase with industrial plug) ☺
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).*

# TECHNICAL DATASHEET. DLYTE 10PRO CARBIDE CT

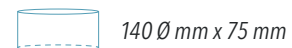
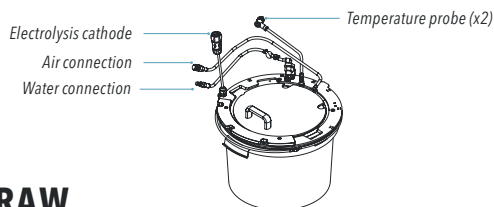
## 01. MACHINE SPECIFICATIONS

<b>TECHNICAL DATA</b> (2/2)	Distilled water tank capacity	3 l (drain valve included)
	External antisabotage valve	Yes
	Noise level	<70 dB(A)
	HMI size	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

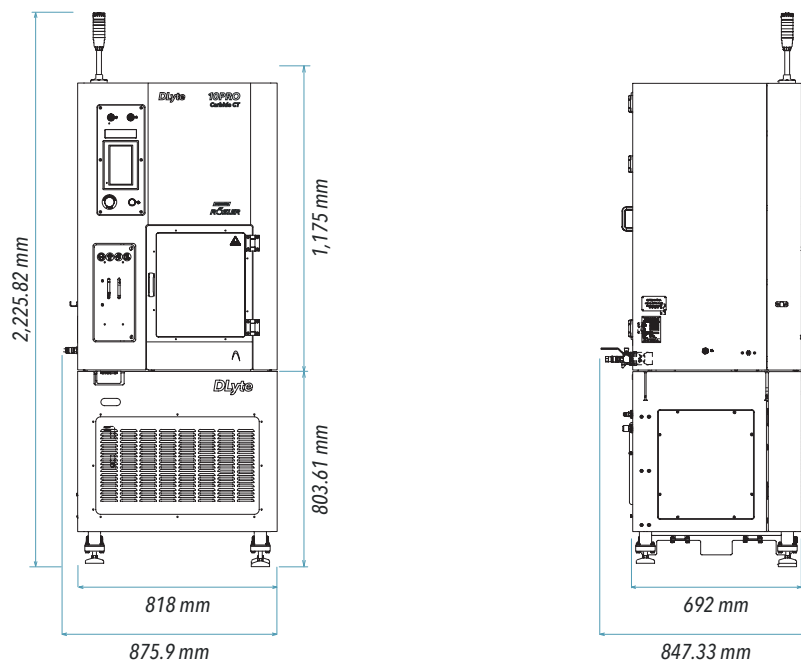
## 02. WORKBOWL

<b>TYPE</b>	Cathode Set Dry Electrolyte
	Cathode Set Dry Suspension Electrolyte

<b>CAPACITY</b>	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/>