

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 an external pneumatic stop cock for safe operations.

Cathode set and holder are not included. The DLyte 10PRO machine includes a light tower and a conductivity calibration system.
**DLyte 10PRO Cooled includes anti vibratory support with refrigeration system.*

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01. MACHINE SPECIFICATIONS

TECHNICAL DATA	Work piece weight capacity	5 kg
	Bucket capacity (per cycle)	Ø140 x 75 mm
	Machine dimensions (L x W x H)	900 x 850 x 2260 mm
	Machine weight	225 kg
	Support weight	64 kg (104 kg for cooled version)
ELECTRICAL	Power (Main socket)	3 kW
	Full load current (Main socket)	13 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 Sensitivity current : 30 mA 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 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

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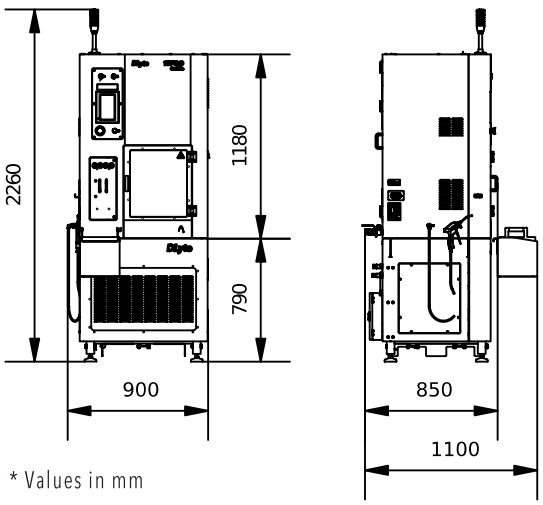
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OPERATIONAL	Main turning	Yes
	Auxiliar turning connector (holder motor)	Yes
	Vertical movement	Yes
	Holder vibration connector	Yes
	Base vibration	Yes
	External pneumatic stop cock	Yes
	HMI size	7"
	Tower light	Yes
	Media refrigeration	Yes
	Air cleaning 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	9 L

03. TECHNICAL DRAWING



* Values in mm

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