

DLyte 1

DLyte 1 is the smallest metal surface finishing equipment using dry electropolishing technology in the Compact Series range. It is designed for high-value, very small and fragile and delicate parts that require high-demanding finishing requirements, and for R&D purposes. Its one-step automatic process reduces the complexity of current multi-step finishing processes, while improving cost efficiency and repeatability. This machine does not require a closed-up system to recycle water and sludge waste treatment machinery, therefore decreasing space, labor, and environmental licenses for waste management. It is suitable for pieces with a working volume capacity of 90 Ø mm x 70 mm, and a maximum weight of 1.5 kg.

FINISHING PROCESSES

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

Anti-vibratory system and Holder Checking Tool included.

TECHNICAL DATASHEET. DLYTE 1

01. MACHINE SPECIFICATIONS

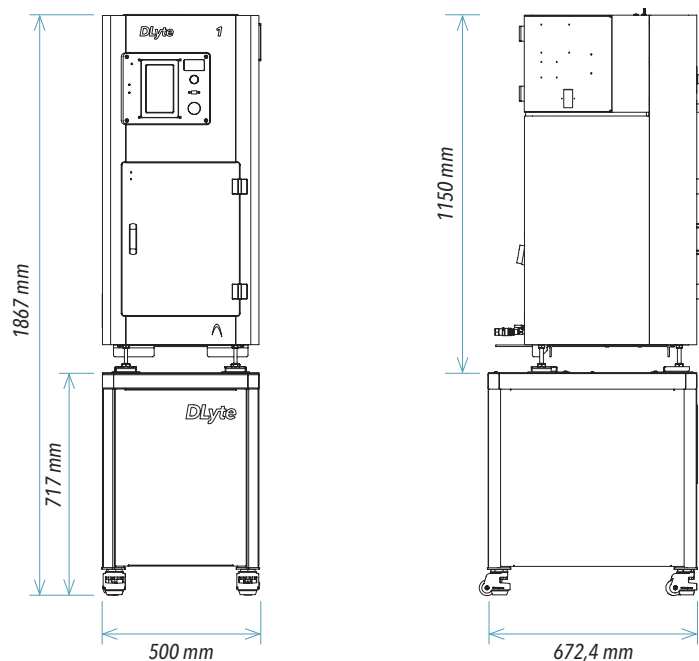
TECHNICAL DATA		
Capacity (per cycle)		90 Ø x 70mm (maximum volume)
Machine Dimensions		500 x 1,150 x 646 mm
Support Dimensions		500 x 717 x 672,4 mm
Machine Weight		96 kg
Support Weight		47 kg
Power		2 kW
Voltage		220 V - 240 V*
Air Pressure		4-5 bar (air connector: 8mmØ or 1/4' BSP')

Consumption of 40 l/min. The air quality must be 1.5.1* according to ISO 8573. (*) Air quality required for a maintenance every 6 months (change of filters).

02. SERIES MODEL

MODEL NAME	FREQUENCY	DESCRIPTION
DLyte 1	LF	Designed to treat materials included in the Steel group, Cobalt-chrome group, Copper and Nickel based alloys group with Low Frequency parameters.
DLyte 1 HF	HF	Designed to treat materials included in the Steel group, Titanium group, Nickel based alloys group and Aluminium group with High Frequency parameters.
DLyte 1 +HF	LF+HF	Designed to treat materials included in the Steel group, Cobalt-chrome, Titanium group, Copper based alloys group, Nickel based alloys group, and Aluminium group materials with High Frequency and Low Frequency parameters.

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/>