



## 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
- + Polishing
- + Smoothing
- + Deburring
- + Mirror finishing
- + Corrosion resistance
- + AM post-processing

*Anti-vibratory system and Holder Checking Tool included.*

## 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

