



DLyte 10,000

DLyte10,000 is the most powerful DLyte modular unit for polishing large pieces and complex geometries. Based on the patented dry electropolishing DryLyte Technology, the robot module allows to treat metals and alloys in a fast, cost efficient way. To achieve the highest quality results in complex and heavy pieces, it combines the DryLyte Technology with a precise 6-axis mechanical movement, to improve workpieces' surface.

FINISHING PROCESSES

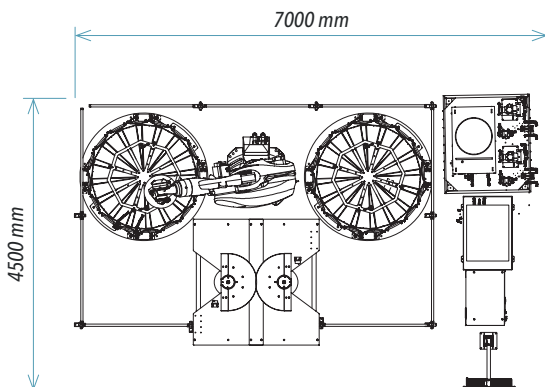
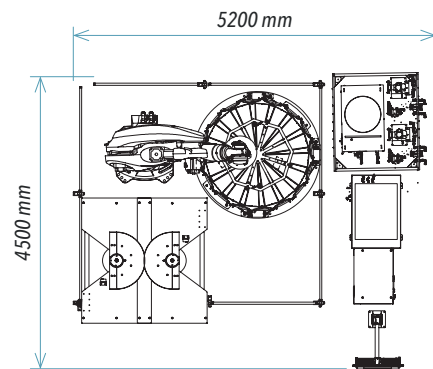
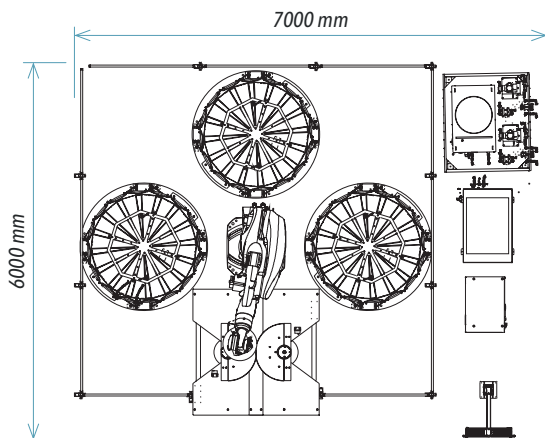
- + Precision finishing
- + Smoothing
- + Mirror finishing
- + Deburring
- + Rounding
- + Corrosion resistance
- + AM post-processing
- + Inner channels

01. MACHINE SPECIFICATIONS

TECHNICAL DATA		
Capacity (per cycle)		750 Ø x 600 mm (one piece centered to the robot axis).
Operating height	4,500 mm	4,500 mm
Operating layout		5,718 (front) mm x 4,507 (side) mm. (Recommended safety area: 8,110 mm x 9,307mm)
Floor requirements		It is recommended that the quality of the concrete must meet the requirements of the following standard: C20/25 according to DIN EN 206-1:2001/DIN 1045-2:2001 for a weight machine of 7,450 km without the scaffold (950 kg).
Power consumption		55 kw (125A)
Power supply		380 - 400 VAC / 50-60 Hz / 3P + N + GND
Air pressure main		Main line: 6-8 bar (air connector: 16 mm Ø) Consumption of 3,000 l/min. Air quality must be 1.5.1 according to ISO 8573.
Distilled water		70 l. demineralized water tank with conductivity properties < 5 µS/cm according to ISO 3696.
Ventilation		The unit must be installed in a well-ventilated area. Otherwise, a forced ventilation system must be installed on top of the unit.
Chiller		40 kw

02. TECHNICAL DRAW

There are three configurations available, encompassing one, two, or three tanks, allowing for the combination of processes and parts cleaning operations.



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