



DLyte eBlast

DLyte eBlast is an equipment that provides a stream of solid-electrolyte particles propelled by a non-conductive liquid media to improve the surface quality of metal parts using the patented Electro Blasting technology.

Electro Blasting is an electrochemical metal surface finishing process especially designed to treat to a mirror finish metal parts with complex geometries.

DLyte eBlast overcomes part size and weight limitations which are present in abrasive and electropolishing systems by immersion, as the piece can be treated locally and without the need of motion.

The equipment allows automated focused surfacing in two different modalities to achieve the maximum polishing quality :

- Use of the collaborative robot (cobot) to selectively process the required areas, especially for complex, large and heavy pieces.
- Use of the drum to Mass Finish multiple small pieces without requiring fixation.

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

01. MACHINE SPECIFICATIONS

TECHNICAL DATA	MACHINE	Machine dimension	2,040 x 1,210 x 2,130 mm
		Window dimension	1,450 x 600 mm
		Machine weight	900 kg
	ELECTROLYTE	Electrolyte capacity	90 l
	PIECE CAPACITY	Piece volume	1,000 x 500 x 500 mm
		Piece weight	200 kg
	ELECTRIC	Rated power (P)	3.5 KW
		Rated voltage	230 ± 10% Vac (P+N+PE)
		Frequency	50-60Hz
		Full load current	16 A
		Power cord plug	CETAC 32A
	ELECTROLYSIS GUN	Electrolysis power	0 - 120 VDC 0 - 120 V ~ (symmetric) 0 - 60 V ~ (asymmetric)
		Electrolysis consumption	0 - 60 A
		Electrolyte pressure	1 - 2 bar
	AIR CONSUMPTION	Air pressure	4 - 6 bar
		Air flow consumption	Min: 200 l/min Optimum: 400 l/min
		Air tube	Ø 10 mm
	EXHAUST GAS	Exhaust gas hose	Ø 130 mm
		Air flow	105 m3/h (X2)
	OPERATING	Operating (environment)	5 °C to 35 °C
		Humidity	30-70%
		Noise	<70 dB (A)
	STORAGE	Machine storage	-10 °C to +70 °C
		Electrolyte storage	5 °C to 40 °C (Check expiration date)

02. TECHNICAL DRAW

