



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.

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	ca. 1,000 kg
	ELECTROLYTE	Electrolyte capacity	70 l
	PIECE CAPACITY	Piece volume	1,000 x 500 x 500 mm
		Piece weight	200 kg
	ELECTRIC	Rated power (P)	7.78 KW
		Rated voltage	230 ± 10% Vac (P+N+GND)
		Frequency	50-60Hz
		Full load current	21 A
		Power cord plug	CETAC 32A
		Protection index	IP20
		Grounding connection	TN-S System
	ELECTROLYSIS GUN	Electrolysis power	-0-120 VDC-0-120 V ~ (symmetric) -0-60 V ~ (asymmetric)
		Electrolysis consumption	0-60 A
		Electrolyte pressure	>1 bar
		Electrolyte flow	20-30 l/min
	AIR CONSUMPTION	Max air pressure	5 bar
		Max air consumption	300 l/min
		Air connection	Ø 8 mm
		Air quality (ISO8573-1:2010)	5:4:4 (dewpoint ≤ +3°C)
	OPERATING	Operating	5 °C to 35 °C
		Humidity	30-70%
	STORAGE	Machine storage	-10 °C to +70 °C
		Electrolyte storage	5 °C to 40 °C (Check expiration date)

02. TECHNICAL DRAW

