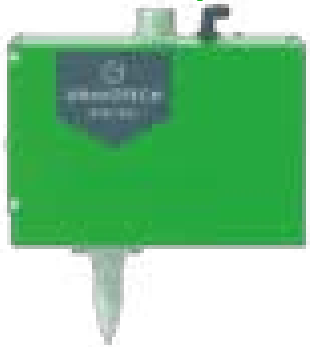
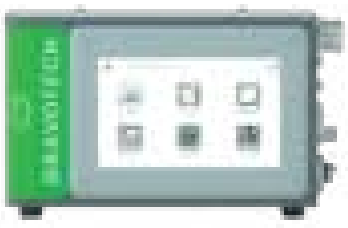
TECHNICAL DATASHEET

GRAVOTECH
EXPRESSION OF THINGS

XE510p



XCOM controller



Integrable pneumatic dot peen

XE510p

Applications

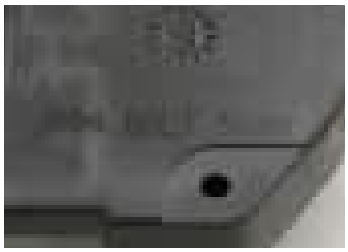
- Identification
- Traceability
- Direct part marking
- Long lasting marking
- Metal and plastic
- Text and 2D codes

DESCRIPTION

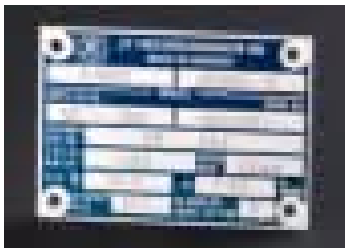
The XE510p is the ideal pneumatic marking machine for permanent identification of your parts. It has been designed to be easily integrated into production lines and to focus on your core needs.

Perfectly suited for intensive use on production lines, this integrable dot peen marking head benefits from over 40 years of proven design that combines compactness, robustness and performance.

The XE510p offers an unmatched cost of ownership on the market thanks to its low acquisition cost, low maintenance and exceptional uptime.









ACCESSORIES & OPTIONS

Fieldbuses

EtherNet/IP

PROFINET INDUSTRIAL ETHERNET

Large styli range



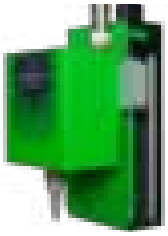
Bellows and shutters



Dual channel safety



Z Axis



Rotary device



EMBEDDED SOFTWARE FUNCTIONS

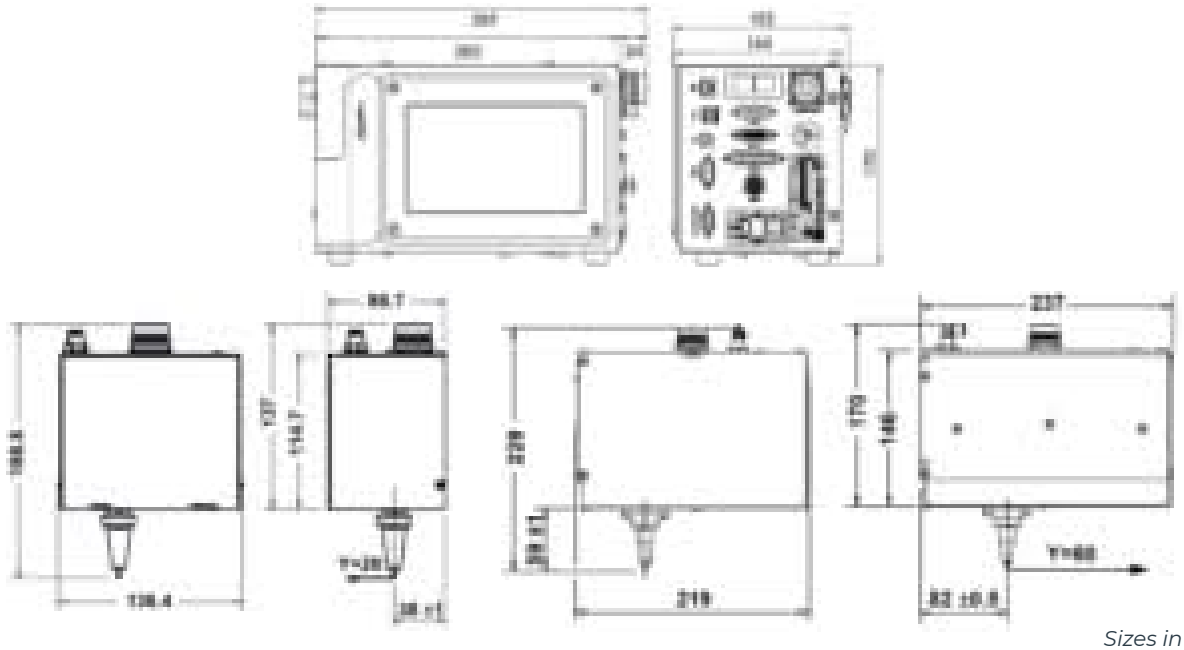
2D codes	Communication	Files	Text variables	Advanced
· Datamatrix · QR codes · Barcodes · More on demand	· Fieldbuses libraries · FTP, NTP, TCP/IP · USB code readers · USB sticks · RS232, digital IOs	· CSV files · History files · HPGL 2D files · Fonts, logos	· Variables based software · Variables handling functions (basic and advanced) · For data and parameters	· Colour touchscreen · Diagnostic · Servicing reminders · 4 axis controller

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TECHNICAL DATASHEET

GRAVOTECH
EXPRESSION OF THINGS

Integrable dot peen marking head: XE510p			
Technical specifications		**XE510Cp**	**XE510Sp**
Marking area		50 x 20 mm	100 x 80 mm
Air pressure		2 bar (29 PSI) - 4.5 bar (65 PSI)	
Operating temperature		5°C - 45°C (41°F - 113°F)	
Storage temperature		0°C - 50°C (32°F - 122°F)	
Humidity level		0% - 80%	
Rated voltage		Controller: 100 V - 240 V AC / 50 - 60 Hz; Marking head: < 50 V DC	
Rated power consumption		140 VA	
Marking specifications			
Speed		Up to 6 characters per second	
Marking depth		0.1 to 0.3 mm (depending on material, stylus speed...)	
Marking types	Fonts	Fonts optimised for traceability: 11 standard Unicode fonts (1 international font)	
	2D codes	Datamatrix ECC200 / QR code / UID / GS1	
	Logos	HPGL (import), LO3 (proprietary)	
Interface specifications			
HMI (human machine interface)		7'' color touch screen. Allows full control of the machine and access to all functionalities without a PC	
Interfaces		Ethernet (TCP/IP), FTP, NTP, 2xUSB host, RS232, process IO, GPIO	
Interface options		Profinet or Ethernet/IP fieldbuses; dual channel safety module	
Additional Axis		Connectors for optional rotary Device and Z axis (true 4 axis controller)	
Physical specifications		**XE510Cp**	**XE510Sp**
Controller to head cord length		3, 6, 10, 15 meters (standard sizes)	
Weight	Head	2.2 kg (4.85 lb)	7.5 kg (16.535 lb)
	XCOM controller	2.7 kg (5.952 lb)	
Marking unit installation direction		All directions (may require bellows or shutters)	



Sizes in mm

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