



# VULQ1 STAMP MARKING systems

High throughput laser marking solution

Stand-alone OEM laser marking system.

Ready for integration into the production environment.



**High-speed, high-precision** marking application:

▶ VULQ1 FULL STAMP

**High throughput QR codes** marking, secured traceability:

▶ VULQ1 PIXEL STAMP

**High-speed** marking on **hard** and **brittle** materials:

▶ VULQ1 PIXEL STAMP GLASS



# VULQ1 Laser Stamp Marking Systems deliver markings in the many new situations where standard laser solutions marking speed is not enough

## VULQ1 FULL STAMP

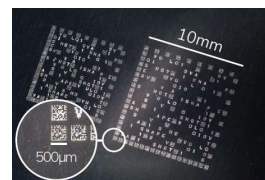
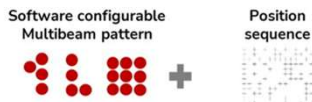
One laser pulse = one pattern: 2D code, alphanumerics, logo



High speed micro-marking, in-line serialization of small parts and components, discrete traceability on high-end products

## VULQ1 PIXEL STAMP

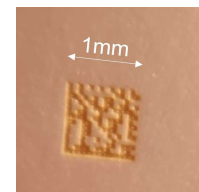
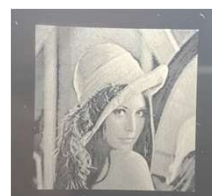
Dynamically configurable high-speed laser printing



Customer engagement for consumer goods (QR Code), high-speed marking on polymers, secured traceability, overt/covert applications

## VULQ1 PIXEL STAMP GLASS

High-speed marking on hard and brittle materials



High-speed laser QR code marking on hard and brittle materials, anticounterfeiting with semi-invisible marking, high-speed surface texturing.



VULQ1 SYSTEM	Model	Energy [µJ]	Power [W]	Pulse duration	Wave length	Marking Rate (HZ)		Material
						Serializ ation	Batch	
FULL STAMP	NIR	40 000	50	ns	1064 nm	10	2000	Metals, moulded compound, coated materials
	VIS	40 000	25	ns	532 nm	20	2000	Polymers, films, multilayers
PIXEL STAMP	NIR	5 000	50	ns	1064 nm	20	20	Metals, moulded compound, coated materials
	VIS	2 500	25	ns	532 nm	20	20	Polymers, multilayers
PIXEL STAMP GLASS	NIR	450	18	ps	1030 nm	20	20	Ceramics, glass

**QIOVA SAS**, ACTIPARC, 828, rue Adrienne Bolland, 42160 Andrézieux-Bouthéon, France  
**tel:** +(33)4 77 93 71 85  
**e-mail:** sales@qiova.fr