



# VULQ1-S Multibeam Laser Marking Systems

High speed marking on high-end glass containers

## Accelerate your application:

- Decoration
- Serialization and legal information

▶ VULQ1-S BEAMS series

**High-speed permanent marking**

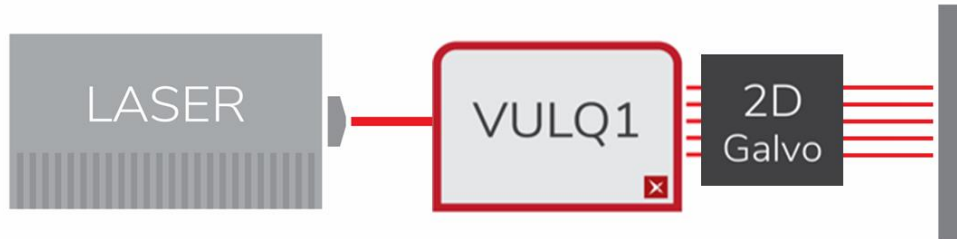
**Immediately reconfigurable and consumables-free production**

**Optimized return on investment thanks to the superior speed of multibeam technology**



# VULQ1-S BEAMS accelerate throughput manifold by combining scanning with programmable multibeam technology.

## Laser Marking with BEAMS series - Principle



Market leading marking speed on any surfaces

Unmatched flexibility with dynamic reconfiguration

cm<sup>2</sup>/s (sq. inch/s) processing with micron-level precision

### Need and context

- Strong push towards environmental footprint reduction
- Customized small series production
- Product serialization for direct customer engagement

### VULQ1 differentiators vs conventional solutions

- Consumables-free, operationnal flexibility, COO ~0\$
- Up to 10x faster than conventional laser marking
- New aesthetic capabilities, notably grey-scale marking on glass



### Customer benefits

- Shortest return on investment for direct glass marking
- No Minimum Order Quantity, immediate and costless production change
- Brand image, innovation and sustainability leadership



Product line	Model	Max Energy	Max Power	Pulse duration	Wavelength	2D codes (Datamatrix, QR) marking rate		Materials
						Serialization	Batch	
VULQ1-S BEAMS series	FS NIR	700µJ	72W	ps-fs	1030 nm	20Hz	20Hz	Ceramics, glass

