



VULQ1-S Multibeam Laser Marking Systems

On-line serialization of electrical products

Accelerate your application:

- High-speed marking on polymers (polycarbonate, polyamide)

▶ VULQ1 BEAM^S series

Customer engagement for consumer products: **unique QR codes marking**

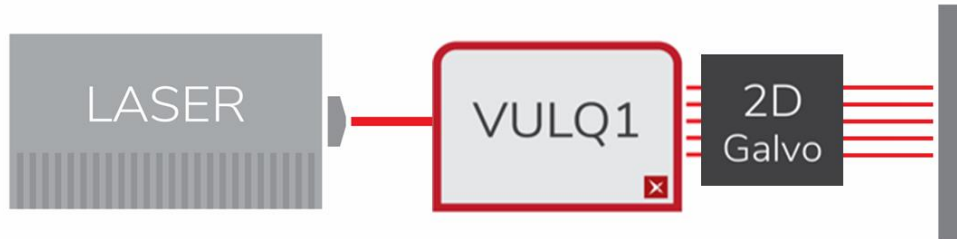
Fastest laser marking solution on the market:
3-6x faster than UV laser marking

Accurate, high-contrast marking without additives



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

cm²/s (sq. inch/s) processing with micron-level precision

Need and context

- Unitary identification of electrical products using a QR code
- The QR code will be linked to the product page to develop consumer services (user manual, videos, etc.).



VULQ1 differentiators vs conventional solutions

- QiOVA marking speed = 3 to 6 x higher than UV laser
- Visible "laser" technology less dangerous and less costly to maintain than UV laser

Customer benefits

- Shorter return on investment for permanent product serialization
- Improved customer services and brand protection



| Product line | Model | Max Energy | Max Power | Pulse duration | Wavelength | 2D codes (Datamatrix, QR) marking rate | | Materials |
|----------------------|--------|------------|-----------|----------------|------------|--|-------|--|
| | | | | | | Serialization | Batch | |
| VULQ1-S BEAMS series | NS NIR | 5mJ | 40W | ns | 1064 nm | 20Hz | 20Hz | Metals, coated materials, polymers, moulded compound |
| | NS VIS | 2mJ | 24W | ns | 532 nm | 20Hz | 20Hz | Polymers, films, multilayers, elastomers |

