



## LABELING & MARKING



# FIBER LASER MARKER

Fiber lasers (laser pulsed light, transmitted through fiber optics) are suitable for marking on metals, polymers (excluding PET) and ceramics. Allow for better print definition and a higher life expectancy

The term LASER is the acronym for Light Amplification by Stimulated Emission of Radiation: a source of electromagnetic radiation that amplifies a monochromatic, coherent (unidirectional) and concentrated light source with high power density.

Laser marking is a "contact free print" technology that offers a range of undeniable benefits compared to alternative processes

Lasers provide the most advanced marking and encoding system, a process that is both efficient and effective. An investment with a certain return that is easily quantifiable



Arca offers a complete range of markers, accessories, protection and suction systems that allow laser technology to be fully exploited

Arca laser markers feature solid construction and safe operation

Built in stainless steel and available in the IP65 version, these laser markers are very robust and make use high level components. No improvisation: the best laser sources and focal lenses available anywhere in the world, offering top performance and life expectancy for leading global technology



The ergonomically positioned control unit with a main switch and status LED can be assembled to an upright or set in a horizontal position (desktop) or vertical position (tower), thanks to the arrangement of the supports, for easier integration with the production line

- indelible: laser marking is forever!
- cost efficient: lasers don't require any consumables (e.g. no liquid ink or thermal transfer ribbon required)
- high graphic quality that is always absolutely constant over time
- unparalleled productivity thanks to the possibility of continuous operation, with no down time for replacing consumables: lasers provide a "NON STOP" marking system!
- minimum maintenance requirements, thanks to an absence of moving parts and components subject to wear
- eco-friendly : lasers don't produce any residual waste
- absolutely clean: light is clean!

Key switch controlled machine enabling, with a mandatory reset required at each start-up. Safety circuit includes a dual channel redundant Pilz module, with a reset function. A single industrial multifunction connector (I/O) allows for optimal management of all machine states and alarm conditions

| TECHNICAL SPECIFICATIONS |                                 |      |      |      |      |
|--------------------------|---------------------------------|------|------|------|------|
| Laser                    | 10W                             | 20W  | 30W  | 50W  | 100W |
| Power Supply             | 85/240 Vac (Autorange) 50/60 Hz |      |      |      |      |
| Nominal power            | 400W                            | 400W | 500W | 600W | 800W |
| Cooling System           | Forced air                      |      |      |      |      |
| Protezione IP            | IP54                            |      |      |      |      |



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