

MICROMARK^{G3}

the desktop laser marker
precise, solid and compact



We operate on a global scale, serving over 50 countries. We've been designing and manufacturing standard and customised laser marking machines for thirty years, always ensuring continuous support to our clients.



- ▶ Over the years, we've been standing out for our high-tech products of our research and development departments which include mechanics, automation, hardware and software.
- ▶ Over 30 years of experience in this industry. We have seized all the challenges of the marking industry – from manufacturing laser marking heads to whole turnkey systems – providing standard and customised solutions.
- ▶ We take care of the entire project, developing the marking machine, as well as its design and manufacture, without relying on intermediaries.
- ▶ Our laser marking machines can be integrated into MES – ERP systems or simple management programs, communication software and hardware.
- ▶ Our laser systems can interface with communication protocols, such as PROFIBUS, PROFINET, and in case of integrations, the laser marking unit interfaces with an existing PLC system or a PLC system specifically programmed for this purpose.

HEADQUARTER

LASIT Systems and Electronics
Technologies S.p.A.
Via Scalfarino, 4 80058
Torre Annunziata (NA) Italy
T. +39 081.536.88.55
F. +39 081.536.10.99



www.lasitlaser.com

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MICROMARK^{G3}

the desktop laser marker
totally integrated



THREE SIDED
OPENING DOOR,
EASY ACCESS TO THE
WORKING AREA

ORIENTABLE
EXHAUST SYSTEM

WORKING TABLE IN HARD
ANODIZED ALUMINUM
WITH A STEP DRILLED
MATRIX 50mm

MOTORIZED Z AXIS
WITH INTEGRATED
ENCODER

WIDE WORKING SURFACE
295X690 mm

EASY CONTROL
CONSOLE



ACCESSORIES

- Barcode Reader/Verifier
- Barcode reader interface software with ERP system
- W axis standard resolution 61,440 steps/rev, ø100 chuck without bar pass through arrangement
- Exhaust system with a 3 stages HEPA filter



AUTOMATIC
ELECTRIC
DOOR

INSPECTION WINDOW
CE CERTIFIED

JOYSTICK TO
EASILY CONTROL
THE Z AXIS

CONTROL
PANEL

LASER
SOURCE

MOTOR
BOX

OPENINGS ON THREE SIDES



INTEGRATED SYSTEM



MOTORIZED Z AXIS



MicroMark G3 is a compact, functional bench laser marker that is able to meet the most varied production requirements while maintaining relatively low prices. The system is designed to also work with a robot thanks to the electric port: the machine is able to work independently by managing the door opening/closing times through the software.

Furthermore, the structure with opening on three sides simplifies the loading and processing of parts longer than the entire machine.

Included in the system is a PC HP, monitor and both FLYCAD/FLYControl software packages with free upgrades. The marking area from ø140 mm to ø220 mm depending on the lens.

MicroMark G3 has been developed as to guarantee quick and convenient access to the marking compartment. Furthermore, by wearing safety goggles and working with the door open you can also mark large details using a machine that is just slightly larger than a small desk.

On this laser marker, the electrical panel and the laser source are fully integrated into the rear of the machine, avoiding any encumbrance on the work bench. To ensure maximum efficiency, it has an optimal ratio between the size of the work area (690mm) and the external layout (710mm).

Positioning is greatly facilitated thanks to the option of using the Joystick, which becomes an essential tool when combined with the SmartFocus system. This allows the operator to quickly find (on both flat and geometrically complex surfaces with difficult curves or angles) the ideal position for optimal laser marking.

Working Position	Desktop/Stand Up	Laser Type	Fiber Laser
Working Table	590x295 mm hard anodized aluminum	Laser Power	20-30-50 W
Maximum Marking Area	ø140 mm / FFL160 ø220 mm / FFL254	Laser Pointer for Preview	With red Light Class I (safe)
Total Weight	145 kg	Machine Size	Height 835mm Width 710mm Depth 855mm
Maximum Weight on the Table	40 kg	PC, Monitor and Software	Included, provided by LASIT
Maximum Marking Height	200 mm / FFL160 95 mm / FFL254	Motors Type	Max. 2 with encoder
Door Type	Electric	Power Source	230Vca ±10% 50/60Hz <1000VA