

TOWERMARK Z

Efficient and practical
laser marker





The TowerMark is an extremely versatile laser marking machine and can be used both manually and in combination with a robot for loading/unloading. All components are housed inside the cabinet below which is part of the main structure. The laser system can be moved easily with a pallet jack or is also available with wheels.

The door can be both manual and pneumatic. The large viewing glass and interior lighting system provide a clear view of the objects to be engraved and simplify their positioning. The working area is 750x570mm and the marking area ranges from 100mm up to Ø310mm depending on the choice of lens. The Z axis, operated by the FlyCAD marking software provides for marking of various thicknesses from 0 to 450 mm.

TECHNICAL FEATURES

Working Position	Stand Up
Working Plane	750x475mm in hard anodized aluminum
Available Marking Areas	Ø140mm with FFL 160 Ø220mm with FFL 254 Ø290mm with FFL 254
Total Weight	300 kg
Max. Weight on the Plane	120 kg
Max. Markable Height	450mm/FFL 160 340mm/FFL 254 240mm/FFL 330
Type of Door	Manual or Pneumatic

Type of Laser	Optic Fiber/Green/CO2
Laser Power	20-30-50 W
Pointer for preview	First Class (safe) with red light
Machine Size	Height 2250mm Width 840mm Depth 835mm
PC, Monitor and Software	Included, provided by Lasit
Type of Engine	Up to 4 motors with encoder
Power Supply	230Vca ±10% 50/60Hz <2000VA

TOWERMARK Z

Versatile and reliable
easy to upgrade



UPGRADE



MOTORIZED Z AXIS



X AXIS ADD-ON



The Towermark Z is designed for the immediate upgrade of several elements: the TTL vision system to mark small products; the rotary axis for cylindrical parts; a table with 300mm stroke to increase the work area; a high-definition side-view system and a sheet-holder for thin plates.

The Z axis of TowerMark, in the standard version, makes it possible to mark parts with a height of up to 450 mm. The glide guide has recirculating ball screws and ensures speed, precision of movement, excellent rigidity and long-term duration.

TowerMark Z is both mechanically and electrically designed to be fitted with an X axis upgrade for moving the head along a 500mm axis so as to achieve a total marking area of 600x100mm. The machine can thus have greater productivity when required.



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.



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