TOWERMARK X

Efficient and versatile laser marker

lasitlaser.com

LASIT
LASER MARKING INNOVATION

DOUBLE SCREEN
(OPTIONAL)

ADJUSTABLE
COMMAND
CONSOLE

AUTOMATIC OR MANUAL
DOOR WITH BALANCERS

CE CERTIFIED SAFE
INSPECTION
GLASS

CASTERS FOR EASY
MOVEMENT OR
RELOCATION OF THE
MACHINE WITH PERFECT
STABILITY (OPTIONAL)

PC, RACK AND SUCTION
SYSTEM COMPARTMENT

ACCESSORIZES

- Barcode reader
- Software interface between Barcode reader and ERP system
- W axis standard resolution 61.440 steps/ rev, ø100 chuck without bar pass thru arrangement
- Integrated 3-stage suction system with hepa filter
- Manual or motorized rotary head
- Vision system TTL or lateral
- Metal Sheet Tightener

The **TowerMark X** is an extremely versatile and configurable laser marking machine in order to meet a wide range of needs. It can be equipped with different types of laser sources (CO2, Fibra, FlyAir, FlyAir Green, Fibra Green, UV).

The main feature of the TowerMark X is an innovative system that moves the laser along the X and Z axes, allowing for the marking of individual pieces in all different sizes as well as – and especially – pallets as long as 600 mm x 170 mm. This is done in such a way so as to not obstruct the work area of the marking machine at all and to utilize all available space.

Considering his working area, TowerMark X is a very small and compact stand-alone marker, with the possibility to integrate different accessorizes, meeting a wide range of needs.

TECHNICAL FEATURES

Working Position	Stand Up
Working Plane	750x500 mm in hard anodized aluminum
Available Marking Areas	600x100 mm/FFL 160 655x155 mm/FFL 254 685x185 mm/FFL 254
Total Weight	300 kg
Max. Weight on the Plane	120 kg
Max. Markable Height	450 mm/FFL 160 340 mm/FFL 254 240 mm/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	Heigh 2400mm Width 840mm Depth 750mm
PC, Monitor and Software	Included, provided by Lasit
Type of Engine	Up to 4 motors with encoder
Power Supply	230Vca ±10% 50/60Hz <1000VA

TOWERMARK X

Complete and reliable laser marking system

HIGH PRODUCTIVITY

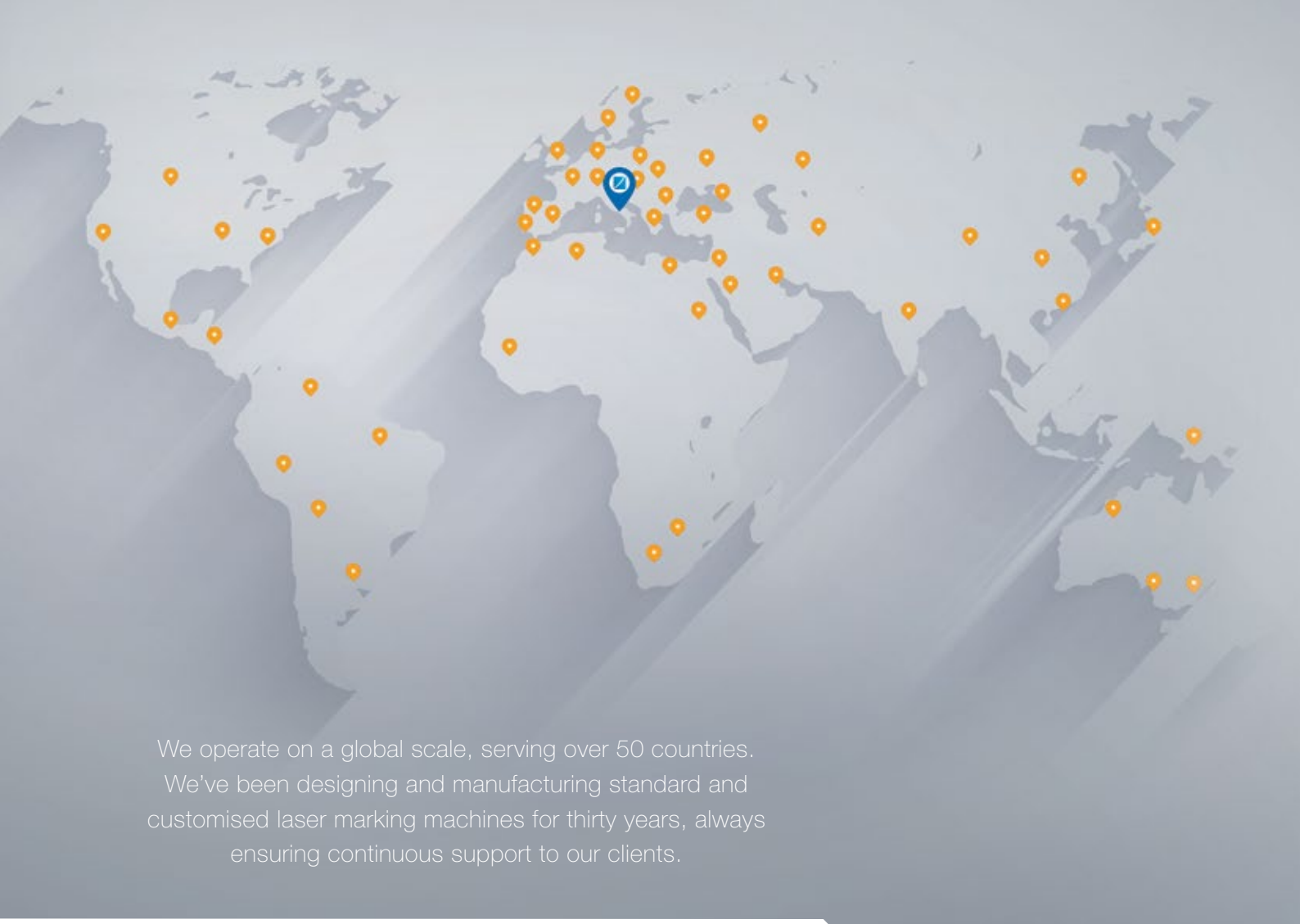
The useful stroke of the X axis is 500 mm and this allows you to increase the marking area to 600x100 mm with the focal ø140 and 655x155mm with the focal ø220. In this way is possible to mark an entire pallet and to mark in different positions the same component.

MOTORIZED Z AXES

TowerMarkX's Z axis allows marking details up to 450 mm. The sliding guide uses ball bearings and ensures speed, precision of movement, excellent rigidity and durability. The Z axis is fully programmable with FlyCAD and you can automatically mark different parts of the design at different heights. The Joystick, combined with SmartFocus, allows you to move the Z axis manually to find the right focus distance even on complex articles.

VISION SYSTEM

TowerMark X is equipped to upgrade with the TTL vision system, ideal for laser marking on very small details, where extreme precision and high definition are required. Moreover, it is possible to add rotary axes in order to mark cylindrical parts.



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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