

TOWERMARK COMFORT

Up to 4 AXES

- ✓ COMFORTABLE FOR THOSE WHO LOVE WORKING WHILE SEATED
- ✓ PERFECT FOR PRECISION PIECES USING THE VISION SYSTEM
- ✓ AVAILABLE IN Z AXIS OR COMBINED XZ

The TowerMark Comfort engraving system allows operators to work while seated, without undermining the performance that the Towermark brand is known for.

Available with only the Z motorized axis, with an engraving area that, according to the FFL lens installed, may range from Ø100mm to a Ø310 mm, including the X version.



The latter is best suited for applications where **greater production capacities** are required, moving the laser in X for a 500mm run. It allows marking individual pieces of various sizes but also and especially whole pallets (marking areas FFL 160 = 600x100 mm; FFL 254 = 650x150 mm; FFL 330 = 720x220 mm) with dozens or even hundreds of pieces. **The motorized Z axis** allows marking individual pieces with a thickness ranging from 0 to 450mm.

The system can be fitted with various types of laser sources according to the material to be engraved; the XZ axes are fully operated by the **FlyCAD** laser marking software while the motors feature an integrated encoder and can also be controlled via a joystick to immediately focus in using **SmartFocus** technology. The work surface is 750x480 mm and comes in hardened anodized aluminium. The surface is perforated for ease in positioning pieces and speeding up the pre-marking process.

ACCESSORIES installable at any time



Rotating head

Manual or motorized rotating head for marking cylinders, cones, and other complex shapes by simply rotating the scan unit.



Vision System

Reflex and TTL vision system for determining and precision centring in automatic mode for even the tiniest pieces.



Sheet Metal Stretcher

Sheet metal stretcher for cutting and the automatic advancement of thin sheet of any material.



Rotating Axis

Horizontal motorized rotating axis, self-stabilizing, multiple for any 306° marking requirements on cylindrical



DMX Reader

DataMatrix reader for the reading and verification of the marked codes.



Aspiration Unit

Integrated aspiration system with activated carbons, compact, practical and noiseless.

LASIT

LASER MARKING SYSTEMS

TOWERMARK SERIES

Up to 4 AXES



High Performance, High Productivity,
Maximum Versatility



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PRATICAL NOISELESS PRODUCTIVE RELIABLE

TOWERMARK Z

Up to
3 AXES

- ✓ MARKING OF PIECES UP TO 450 MM HIGH
- ✓ HARDENED PERFORATED ANODIZED ALUMINIUM WORK SURFACE
- ✓ MANUAL OR PNEUMATIC FRONT DOOR WITH LARGE INSPECTION WINDOW
- ✓ CUSTOMIZED SIDE DOORS FOR LOADING AND MARKING LARGE PIECES
- ✓ INTEGRATED ASPIRATION UNIT



TowerMark-Z is a highly functional and versatile marking system. It can be fitted with different types of laser sources (CO2, Fibre, FlyAir, FlyAir Green, Fibre Green, UV) depending on the base material that requires marking. **The work surface is made in hardened anodized aluminium.** The surface is perforated for ease in positioning pieces and speeding up the pre-marking process. The marking area will vary according to the FFL lens in use, and varies from 100mm to a 310mm. The motorized Z axis allows marking individual pieces with a thickness ranging from 0 to 450mm.



The motor features an integrated encoder and can also be controlled via a joystick to immediately focus in using SmartFocus technology. This allows the operator to quickly find (on flat and even complex geometric patterns such as curves or angles) the right focal distance for optimal marking. Every component is integrated in the system (including the aspirator), which makes it easy to move using a pallet jack or, on the wheeled version, with a simple push. Manual or motorized rotating head for marking cylinders, cones, and other complex shapes by simply rotating the scan unit.

Reflex and TTL vision system for determining and precision centring in automatic mode for even the tiniest pieces. Sheet metal stretcher for cutting and the automatic advancement of thin sheets of any material. Horizontal motorized rotating axis, self-stabilizing, multiple for any 360° marking requirements on cylindrical pieces. DataMatrix reader for the reading and verification of the marked codes. Compact, functional and quiet active carbon integrated aspiration system.

TOWERMARK X

Up to
4 AXES

- ✓ COMBINED MOTORIZED X-Z AXES FOR A MARKING AREA OF UP TO 720X220 MM (FFL 160= 600X100 MM; FFL 254 = 650X150 MM; FFL 330 = 720X220 MM)
- ✓ ALLOWS WORKING ON LARGE SINGLE PIECES OR IN AUTOMATIC MODE ENTIRE PALLETS WITH HUNDREDS OF INDIVIDUAL PIECES
- ✓ INTEGRATED ASPIRATION UNIT



TowerMark X is the perfect laser system for 360° markings. It offers versatility, high production rates and extreme reliability and an excellent work surface - footprint ratio: in fact, the former is 750x480 mm while the latter is just 840x840 mm. The main feature of TowerMark X is an innovative system that moves the laser along the X and Z axes, allowing for the marking of individual pieces of various sizes but also and especially whole pallets (marking areas FFL 160 = 600x100 mm; FFL 254 = 650x150 mm; FFL 330 = 720x220 mm) with dozens or even hundreds of pieces.



Operator use is minimized since the machine can run on automatic during 90% of the workflow. The Z axis allows marking individual pieces with a thickness ranging from 0 to 450 mm. **The work surface is 750x480 mm** and comes in hardened anodized aluminium. The surface is perforated for ease in positioning pieces and speeding up the pre-marking process.

The XZ axes are fully controlled via the **FlyCAD** marking software. The motors, which feature an integrated encoder, can also be controlled via a joystick to immediately focus in using **SmartFocus** technology. The door can be either manual or pneumatic and features a large inspection window that offers an excellent view of the marking area.

TOWERMARK LX

Up to
4 AXES

- ✓ COMBINED MOTORIZED X-Z AXES SYSTEM FOR A MARKING AREA OF UP TO 1010X220MM (FFL 160= 900X100 MM; FFL 254 = 650X950 MM; FFL 330 = 1010X220 MM)
- ✓ ALLOWS WORKING ON LARGE SINGLE PIECES OR IN AUTOMATIC MODE ENTIRE PALLETS WITH HUNDREDS OF INDIVIDUAL PIECES
- ✓ EXCELLENT WORK SURFACE - FOOTPRINT RATIO



TowerMark-LX is the large scale version of the TowerMark-X, with an extra-long run on the X motorized axis spanning 800 mm, which allows marking individual pieces of various sizes but also and especially whole pallets of up to 1010x220 mm, (marking areas FFL 160 = 900x100 mm; FFL 254 = 950x150 mm; FFL 330 = 1010x220 mm) with dozens or even hundreds of pieces. Operator use is minimized since the machine can run on automatic during 90% of the workflow. The Z axis allows marking individual pieces with a thickness ranging from 0 to 450mm.



The work surface is 1100x770mm and comes in hardened anodized aluminium. The surface is perforated for ease in positioning pieces and speeding up the pre-marking process.

The XZ axes are fully controlled via the **FlyCAD** marking software. The motors, which feature an integrated encoder, can also be controlled via a joystick to immediately focus in using **SmartFocus** technology. The door can be either manual or pneumatic and features a large inspection window that offers an excellent view of the marking area.

