# ROTARY TABLE LASER MARKERS
# **ROTOMARK AND ROTOTOWER**

## Increase your productivity with our laser systems


lasitlaser.com

LASIT
LASER MARKING INNOVATION

# Rotary table laser markers

## Increase your productivity by marking while machining

The laser marking systems from the RotoMark range are fitted with mechanical cam rotary tables with up to 8 loading stations.

The table's mechanism ensures speed, precision, and repeatability.

Marking while machining ensures high productivity because it eliminates dead times and optimises the work flow.

Both the laser and the operator work simultaneously. There are no waiting times or pallet changeovers. The operator can safely unload or position the next element to process on the table while the laser marks the component.

This product range has been designed and manufactured for those who have significant production needs.

The standard version of the RotoMark model – fitted with the Z axis only – is the best-selling in its category.

RotoMark X with the X axis is the ideal solution for those who have to mark large components but want to maintain the advantages of the rotary table.

### WELDED STEEL STRUCTURE

The structure of LASIT's rotary tables is made of stretched and milled welded steel.

This way, LASIT ensures solidity, stability, and no vibrations.

As a result, the axes move faster, thus speeding up the marking process.

### LASER MARKING WHILE MACHINING


The mechanical cam is the mechanism of the rotary table and ensures utmost stability and precision.

The processed aluminum plate ensures stability and precision. Moreover, it's fully customizable and set for any accessory or template for every application.

# ROTOMARK

## Maximum productivity. Non-stop production cycle

RotoMark is a laser marker fitted with a mechanical cam rotary table that can have from 2 to 8 stations. It marks a large number of components while machining.

The rotary table's mechanism and the steel structure ensure stability and precision. In fact, the optical barriers protect the operator from potential collisions while the table is rotating.

The safety circuit instantly blocks the rotation if the barriers are interrupted.

This marker was designed with FEM techniques.


Both RotoMark and RotoTower are two flexible systems and can also be used in various modes:

**1. Automatic mode.** The operator loads the component. The table rotates when the optical barrier is released.

## IMPROVE THE PERFORMANCE OF YOUR MARKER...

ROTARY AXIS

DISTANCE METER


PIECE PRESENCE SENSORS


## ROTOMARK X

RotoMark X is a rotary table machine with two loading stations. The X Axis allows us to cover a marking area that is larger than that of the focal lens alone.

With the FFL160 focal lens, the work area reaches 800x100mm, which can be increased if we use a lens with a larger diameter. Indeed, with an FFL254 focal lens, the marking area becomes 750x150mm.


**2. Manual mode.** The operator loads the component, presses the button or pedal to start the cycle, and the table rotates.
**3. Table exclusion.** The table is blocked and the operator loads the component from the inspection door. Once the door is closed, they press “start cycle” to start marking.

# ROTOTOWER

## Maximum productivity and compactness in one marker

The RotoTower is the ideal solution for marking small components in series. The table measures 600 mm in diameter, making the system functional and extremely compact.

The Z axis has a 300 mm motorised travel with encoder and is managed via the FlyCAD software.

The optical barriers protect the operator from potential collisions while the table is rotating. RotoTower is far from being a simple combination of a rotary table and a standard Z axis.

It’s a dedicated laser-marking center designed with FEM techniques.

## ...WITH LASIT ACCESSORIES

CUSTOMIZED TEMPLATES

LATERAL VISION SYSTEM

DATAMATRIX READER

## ROTOTOWER X

Even the RotoTower can be fitted with an X axis with a 500 mm travel to allow us to expand the work area up to 420x100 mm.

Therefore, we can mark pallets with more components or the same piece in several positions.

# RotoMark

| | | | |
|---|---|---|---|
| Work position | Standing or sitting | Laser Type | Fiber, Mopa, UV, Green, CO2 |
| Work surface | Ø 1000 mm | Max. weight on surface | 15 kg per station |
| Inspection door | Manual | PC, monitor and software | Supplied by LASIT |
| Maximum marking area | Ø 140 mm with FFL160 focal lens<br>Ø 220 mm with FFL254 focal lens | Size | Height 2020 mm<br>Width 1550 mm (control panel excluded)<br>Depth 1500 mm |
| Axis travel | 400 mm | Power supply | 230 Vac ± 10%<br>50/60 Hz <1000 VA |

# RotoMark X

| | | | |
|---|---|---|---|
| Work position | Standing | Laser Type | Fiber, Mopa, Picosecond, UV, Green |
| Work surface | Ø 1000 mm | Max. weight on surface | 30 kg per station |
| Inspection door | Manual | PC, monitor and software | Supplied by LASIT |
| Maximum marking area | 800x100 mm with FFL160 focal lens<br>700x150 mm with FFL254 focal lens | Size | Height 2044 mm<br>Width 2200 mm (control panel included)<br>Depth 1880 mm |
| Axis travel | 800x400 mm | Power supply | 230 Vac ± 10%<br>50/60 Hz <1000 VA |

# RotoTower

| | | | |
|---|---|---|---|
| Work position | Standing | Laser Type | Fiber, Mopa, Green |
| Work surface | Ø 600 mm | Max. weight on surface | 10 kg per station |
| Inspection door | Manual | PC, monitor and software | Supplied by LASIT |
| Maximum marking area | Ø 140 mm with FFL160 focal lens<br>Ø 220 mm with FFL254 focal lens | Size | Height 2100 mm<br>Width 1100 mm (control panel excluded)<br>Depth 1300 mm |
| Axis travel | 300 mm | Power supply | 230 Vac ± 10%<br>50/60 Hz <1000 VA |

# RotoTower X

| | | | |
|---|---|---|---|
| Work position | Standing | Laser Type | Fiber, Mopa, Green |
| Work surface | Ø 600 mm | Max. weight on surface | 10 kg per station |
| Inspection door | Manual | PC, monitor and software | Supplied by LASIT |
| Maximum marking area | 420x100 mm with FFL160 focal lens<br>300x150 mm with FFL254 focal lens | Size | Height 2100 mm<br>Width 1300 mm (control panel excluded)<br>Depth 1300 mm |
| Axis travel | 500x300 mm | Power supply | 230 Vac ± 10%<br>50/60 Hz <1000 VA |

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