

ACCESSORIES

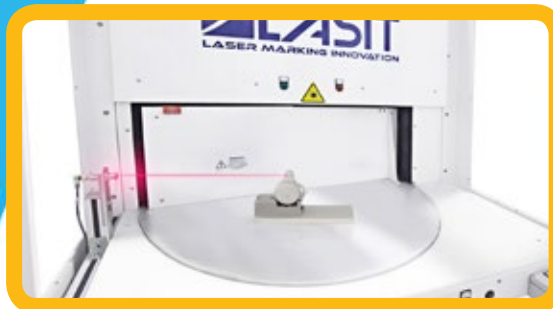
Rotary Axis

Horizontal or vertical motorised, tilting or multiple **rotary axis** for all **360° cylindrical part marking** needs.



TTL Vision System

The **TTL (Through The Lens) vision system** is the ideal solution both for centring marking on parts with details such as for **rereading 2D codes (DMX, QR) with very high speed**, since neither the laser nor the camera has to be moved. All this is possible because the light coming from the part is conveyed on the camera sensor on exactly the same path as the laser beam. The field of vision with the $\phi 140$ area is 21×16 mm. The integrated circular illuminator offers a clear view of the whole framed area and intensity can be regulated.



Positioning Sensors

The sensors are useful for **detecting the presence and the correct positioning of the components to be marked** on the machine, with both manual and robotised loading. The sensors can be through-beam or reflective type and are defined based on the type of piece to be machined.

Side-View System

The view system with side camera offers a very **wide field of vision** with respect to the TTL system. In this case, the program moves the axes automatically to position the camera in axis with the marking field, so the operator only needs to concentrate on the application. As with the TTL system, also the side-view system can be equipped with an integrated circular illuminator to illuminate the framed area.



DataMatrix Reader

DataMatrix Reader for reading and verifying the marked code.



Exhaust system

Integrated exhaust system with HEPA filters and side channel pump. Compact, functional and quiet.



Very high quality, accurate and unalterable laser marking



HEADQUARTER

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ROTO MARK SERIES

Up to
3 AXES



The ideal combination of speed, precision and productivity

ACCURATE | SOLID | PRODUCTIVE | COMPACT

ROTO TOWER

Up to
2 AXES

- ✓ MARKING OF DETAILS UP TO 250 mm HIGH
- ✓ ROTATING TABLE WITH CAM MECHANISM 20 mm TWO-STATION IN FIBRAL ALUMINIUM
- ✓ TABLE ROTATION SPEED ADJUSTMENT WITH INVERTER
- ✓ LATERAL DOOR FOR SET-UP AND MARKING OF SMALL SETS OR SINGLE PARTS
- ✓ WELDED, EXTENDED AND PROCESSED STEEL STRUCTURE



The **RotoTower** laser marker has two-position index table with a **20 mm-thick Fibral aluminium disc**. The disc has 2 centring holes for the templates and 2 threads in correspondence with the two stations. The holes are ø8H7 with hardened bushes and the threads are M6 with Helicoil.

The index table is a **mechanical cam** (not pneumatic) and ensures exceptional positioning accuracy and rigidity. The station to station positioning time is approximately 1 second and can be adjusted with the speed variator inverter.

ROTATING TABLE FOR MARKING AT THE SAME TIME

- Extreme rigidity thanks to a large diameter bearing;
- Positioning accuracy and repeatability in the order of 100µm at the edge of the table;
- Possibility of changing the rotation speed thanks to the inverter command offered by LASIT.

LATERAL DOOR

The lateral door allows easy access to the marking compartment for set-up or to process small sets without having to fit the machine with specific mounts.

HUI CONSOLE ON WHEELS

- The marking software management console can be positioned anywhere and follow the operator during work. Thanks to the cord which is up to 5 metres long, it can even be moved outside the robot cell.



ROTO MARK

Up to
2 AXES

- ✓ MARKING OF DETAILS UP TO 250 mm HIGH
- ✓ Ø1000MM ROTATING TABLE WITH A MECHANICAL CAM FROM 2 TO 8 POSITIONS
- ✓ UP TO 3 TABLE OPERATING MODES
- ✓ STANDARD SMART FOCUS WITH JOYSTICK FOR Z AXIS
- ✓ LATERAL DOOR FOR SET-UP AND MARKING OF SMALL SETS OR SINGLE PARTS
- ✓ WELDED, EXTENDED AND PROCESSED STEEL STRUCTURE
- ✓ OPTICAL PROTECTION BARRIERS

RotoMark is a laser marker equipped with a mechanical cam rotating table that can have from **2 to 8 workstations**. Designed for those with high productivity requirements, allowing the laser marking of both small and large sets of articles at the same time. The table mechanism ensures speed, precision, repeatability and constancy over time.



MOBILE EXHAUST INLET

The exhaust inlet is moved by a pneumatic cylinder so as to bring it close to the marking area and then retract it to allow the table to rotate.

OPTICAL BARRIERS

- The optical barriers protect the operator from potential collisions with the table while it rotates. In fact, the safety circuit instantly blocks table rotation if the barriers are interrupted.



3 OPERATING MODES

- **Automatic table**
The operator loads the parts. Upon disengagement of the optical barrier, the table rotates in a position;
- **Manual table**
The operator loads the part and the table rotates in a position after the start cycle button has been pressed.
- **Rear door**
The table is locked and the operator loads the part from the rear door, closes the door and presses the "start cycle" button to start marking.



ROTO MARK X

Up to
3 AXES

- ✓ EXTENSIVE MARKING AREA, AXIS FOR STROKE 630 mm, Z AXIS STROKE 300 mm
- ✓ ROTATING TABLE WITH CAM MECHANISM 20 mm TWO-STATION IN FIBRAL ALUMINIUM
- ✓ TABLE ROTATION SPEED ADJUSTMENT WITH INVERTER
- ✓ STANDARD SMART FOCUS WITH JOYSTICK FOR XZ AXIS
- ✓ LATERAL DOOR FOR SET-UP AND MARKING OF SMALL SETS OR SINGLE PARTS
- ✓ WELDED, EXTENDED AND PROCESSED STEEL STRUCTURE
- ✓ OPTICAL PROTECTION BARRIERS

Rotomark X combines the advantage of loading/unloading at the same time of the 2-position index tables with a laser movement system along the X axis. The stroke of the X axis is 630 mm and therefore the actual marking area is 100x600mm or 150x650mm, depending on the lens installed.



MAXIMUM PRODUCTIVITY

Rotomark X has been designed for those who have high productivity requirements or who need to mark particularly large articles, but it is also extremely functional when working on a single article or a limited set.

The Z axis is operated by **FlyCAD marking software** and allows for marking parts within a broad range of thicknesses, from 0 to 300mm.



WELDED STEEL STRUCTURE

- The structure is made of welded, extended and milled tubular steel:
- **Greater acceleration** of the axes without vibrations;
- **Dimensional stability** over time;
- **Rigidity** in the event of machine movement and/or accidental impact;
- **Absolute table rotation precision.**



LATERAL DOOR FOR SET-UP

The lateral door is useful for easily setting the machine to mark small sets of components and/or single parts without the need for a special template.