

**VERSATILE** Plenty of accessories installable at any time



### Rotating Axis

For marking cylindrical parts, **CompactMark G7** can incorporate three different types of rotating axes, designed to suit the needs.



### Vision System

**CompactMark G7** eliminates the problem of recognising the parts to be marked by incorporating the system with vision through the same lens (TTL).



### Rotating Head

With **CompactMark G7** it is possible to mark cylindrical parts, turning the scanning unit and thus the marking without losing the alignment of the laser beam.



### Metal Sheet Tightener

Ideal for people that need to cut thin sheets of any material with the function of destressing the sheets by means of the special pneumatic pliers controlled by solenoid valves.

## TECHNICAL FEATURES



**Working Position**  
Stand Up



**Working Plane**  
650x450mm



**Available Marking Areas**  
ø100 ø140 ø220 ø290



**Total Weight**  
590 Kg



**Size**  
Height: 2040 mm  
Width: 1140 mm  
Depth: 1300 mm



**Max Weight on The Plane**  
150 Kg



**Markable Max height**  
400 mm (ø140mm)



**PC and Monitor**  
Integrated into the base



**Type of Laser**  
FiberFly, FlyAIR, FlyAir Green,  
FiberFly Green, FlyCO2



**Joystick**  
Integrated into the base

- **Options which can be installed:** Rotating axis, direct rotating axis, tilting rotating axis, metal sheet tightener.
- **Vision System**  
Optional – both TTL and Reflex
- **Type of Engine**  
Up to 5 motors with encoder
- **Type of door**  
Pneumatic
- **Exhaust fan and filter**  
Optional
- **DMX Reader**  
Optional
- **Power Supply**  
110 – 230 Vac – 50Hz

**LASIT**  
LASER MARKING SYSTEMS

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**LASIT**  
LASER MARKING SYSTEMS

**COMPACTMARK G7**

Up to  
**5 AXES**



**High performance, Flexibility and  
Extreme Rigidity**

**PRECISE**

**SOLID**

**COMPACT**

**VERSATILE**

## COMPACTMARK G7

**CompactMark G7** is a true laser marking centre. **Completely made of welded and precision machined steel**, with ground guides and recirculating ball screws, in its basic configuration it has 3 positioning axes, which can be expanded to 5 with axis "C" and the rotating head.

The Z Axis, managed by the **FlyCAD** marking software, makes it possible to mark parts with a height of up to 450 mm. All the motors have incorporated encoders and can also be controlled by Joysticks for instant focus search with **SmartFocus** technology or for centring with the exclusive Previews Arbitrario.

Depending on the customer's requirements, **CompactMark G7** can be supplied in the standard version or customised, for example with an incorporated **Pick&Place**, a multiple rotating axis, an automatic viewing and centring system.



**PRATICAL, RELIABLE  
AND PRODUCTIVE**



### Motors with Encoders

**All the motors have incorporated encoders** and enable greater speed and acceleration as well as precision compared to the more economical open-loop stepper motor. They ensure excellent performances, with positioning guaranteed by **high level precision, reliability and repeatability**. What is more, there is no risk of losing position: accidental bumps are reduced to zero.



### Control Panel

**The console is practical**, ergonomic and completely swivelling and, as needed, can be installed either at the left or the right. All the commands needed for using the system are on the console: the monitor, the keyboard, the mouse, the Joystick and the barcode reader.



### Maximum Productivity

Thanks to the movement of the worktable and on Y and X axes, **CompactMark G7** makes it possible to mark an area of 500x400 mm, which can be used either for engraving on a single part or on a pallet with dozens or hundreds of small articles positioned, maintaining perfect centring. **What is more, parts with a weight of up to 150 kg can be positioned on the table.**



### Structure

**CompactMark G7** is very rigid and ergonomic: it is completely made of welded, destressed and machined steel. After thermal destressing, the structure is finely milled and carefully finished to create rests for the screws and the glide guides, with the following advantages:

- Better acceleration of the axes without any vibration;
- Long-term dimensional stability;
- Rigidity in the event of the machine being moved and/or
- accidental bumps.



### Table in Anodised Aluminium

The **working area of 650x450 mm** can be used either for marking a single part or a tray with dozens or hundreds of small articles positioned. The table of **CompactMark G7** is made of hard, anodized, scratchproof, ground aluminium.



### Completely Modular

**CompactMark G7**, with dimensions of only 1140(L)x1150(P) mm, makes it possible to mark a working area of 600x400 mm.

It can have incorporated in it lasers, motors, scanners, and PCs that are easy to access and simply interconnected with few wires and with non-interchangeable connectors. **Any fault is repaired quickly without the need for specialised technicians.**

