

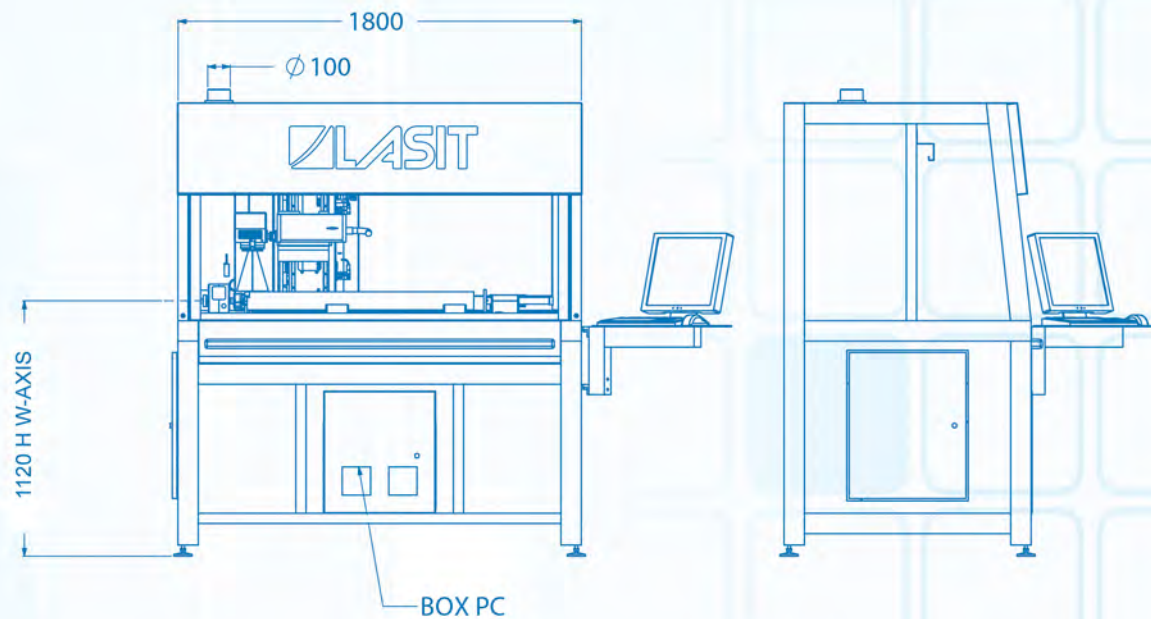
FlexyMark



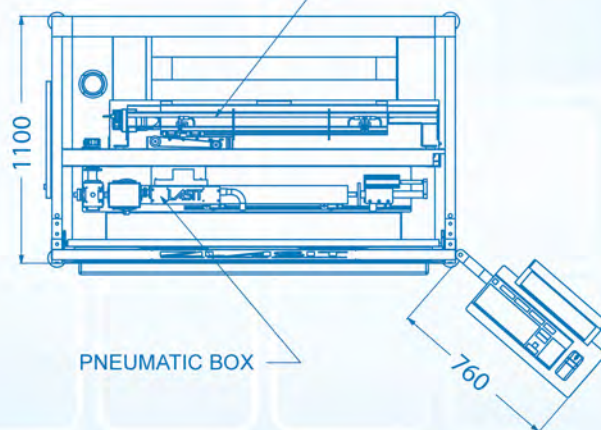
The FlexyMark system offers **great flexibility** in marking providing ample space for both large, complex parts as well as large trays with arrays of parts. The system comes with a wide access **pneumatically controlled door**, a pull-out type drawer for quick and easy access to parts, and a modular perforated table for easy fixturing of parts, and an optional rotary device for marking or wrapping of logos on cylindrical parts. The machine is **ergonomically designed for operator ease of use** during extended periods of operation.

The optional pass through provides easy access to move parts through without opening the door. The machine comes standard with an X stroke of 800 mm and a Z stroke of 300 mm. A rotary indexer ("C" axis) can be added for marking text or wrapping logos, data matrix, bar codes, around cylindrical parts. In addition an optional **Rotating Scan head** (theta axis) can be added for marking conical shapes or multiple cylindrical shapes. All the axes are driven by motors configured with encoders controlled by FlyCAD software. The machine offers high accuracy and repeatability due to the rigid structure and **Bosch structural frame profile**. It is further reinforced with strong powder coated steel brackets. The X axis is constructed of precision ground steel on which the guide rails are mounted. The precision ball screws offer exceptional accuracy. The close looped motors are controlled by encoder.

Layout



X-AXIS STROKE 800 MM
Z-AXIS STROKE 300MM (FROM TABLE SURFACE)
LASER FOCAL LENS F160MM



Technical Specifications

| | |
|--------------------------------|--|
| Working position | Upright/Operator can stand or sit with stool |
| Working plane dimensions | 1200 x 400 |
| Max weight on the plane | 100Kg |
| Markable max height (ø 140mm) | 300mm |
| Available marking areas | ø140, ø220 |
| Options which can be installed | C axis, rotating head, drawer |
| Type of laser | FiberFly, FlyAIR, FlyGreen |
| Vision system | Possible - not recommended |
| Type of motor | Up to 4 motors with encoder |
| Joystick | Option |
| Type of door | Pneumatic |
| Exhaust fan and filter | Optional - which can be integrated |
| Software | FlyCAD - FlyControl integrated |
| Pc and monitor | Provided by Lasit but separate |
| DMX player | Included |
| Power supply | 400 Vac - Trifase - 50/60Hz |

