

TowerLight

Product Description

TowerMark Light is a laser marking system that is mainly characterized by its **pneumatic door**. The working area is easily accessed and centering of the marks is convenient even with complex part. The door closing control is located on the control console: which is equipped with an **anti-crushing system**, it closes safely. Upon closing the door, the marking cycle starts and after the marking, the door opens automatically with **safety interlocks**. If a pneumatic system is not needed, a manual hinged door is available as an options. The marked area is always well visible with the door closed due to the large viewing glass and **internal lighting system**. All the components are housed in the structure (including the exhaust system). The working plan is 620x450mm and the marking area can be from $\varnothing 100\text{mm}$ up to $\varnothing 220\text{mm}$ depending on the lens installed. The Z axis, operated by the FlyCAD marking software, provides for marking of parts from 0 to 350mm high. The motors have encoder feedback and can also be controlled with a joystick which works in conjunction with the Smart Focus system. These features allow for instant focus which saves time in marking different parts of varying geometries. This system can be used with all surfaces including **flat, cylindrical and curved shapes or corners**. The system allows the operator to find the correct position and focus for optimal marking without spending time to find it manually. Another useful feature is a rotating axis (rotary indexer) for wrapping marks, logos, text around cylindrical parts. Logos can be seamlessly marked around the **curved surface**. In addition, both standard and custom rotary axes are available with through hole collets, 5 collets with grippers for heavy or large diameter parts, and 3 Jaw chucks. Sheet metal clamps and **tighteners** with automatic advancement are available with the system to secure materials when cutting metals such as gold and silver or other.



Additional Information

Working position	stand up
Working plane dimensions	620 x 450
Max weight on the plane	90 kg
Markable max height ($\varnothing 140\text{mm}$)	350mm
Available marking areas	$\varnothing 100, \varnothing 140, \varnothing 220$
Options which can be installed	rotating axis, direct rotating axis, tilting rotating axis, rotating head, metal sheet tightener
Type of laser	fiberfly, flyair, flyair green, fiberfly green, flyco2

Vision system	optional reflex
Type of engine	up to 4 motors with encoder
Joystick	included
Type of door	
Exhaust fan and filter	integrated into the base – optional
Pc and monitor	integrated into the base and monitor holder
DMX player	optional
Weight	325kg
Power supply	110 – 230 vac – 50hz
