

**LaserPin**

**LPA**



## The LPA is one of the Top-of-the-range machines of the LP series

The LPA has a strong structure and can operate at high frequencies and with high production rates. Designed to be installed on a hosting machine and compatible with all production lines, it guarantees perfect holes on a moving web. It makes both round and shaped holes. Round holes have a diameter between 2 and 50 mm. Shaped holes are all non-circular perforations, such as handles for bags and Euroslot (Mexican hat).

The LPA operates with multiple punching tools through which the film flows. The number of punching tools required depends on the customer's needs. A punching tool consists of a hammer (upper part) and a die (lower part) and its action is pneumatically controlled by specially designed electric valves. It operates at a maximum frequency of 40 strokes per second, and a maximum speed of 260 meters per minute (depending on the material), thus adapting to the production line's speed.

The punching tools are mounted on dovetails on a bridge made of hardened steel. The lower bar can be opened to facilitate the material threading and the changing of the dies. This is a paramount feature for work on extrusion lines: the substitution can be made without stopping the production process. The alignment of the punching tools is easy, fast and adjustable. Thanks to the dovetails the punching tools can be manually moved along the bridge accordingly to the required perforation pattern.

Each punching tool is electronically controlled, enabling the end-users to regulate the power, pressure and punching frequency singularly. The LPA is integrated with an innovative 4.0 software to set the punching tools, the desired pattern, and frequency, with a user-friendly graphic design.

The software can be integrated with the machine or installed on a tablet or computer, allowing remote control. Thanks to its storage system, a virtually unlimited number of recipes can be set. Consequently, the LPA easily adapts to different materials and thicknesses.

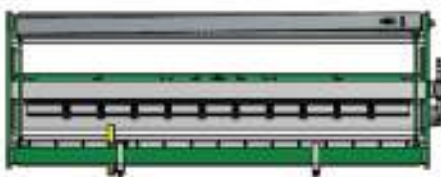
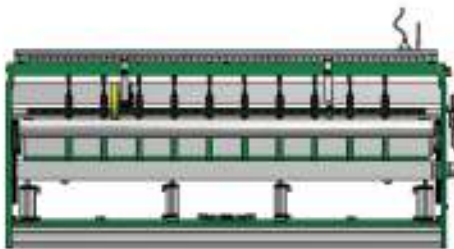
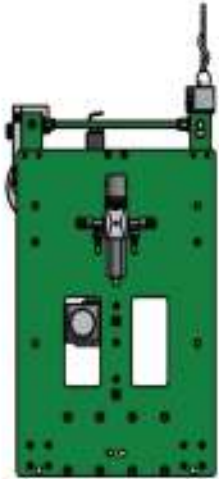
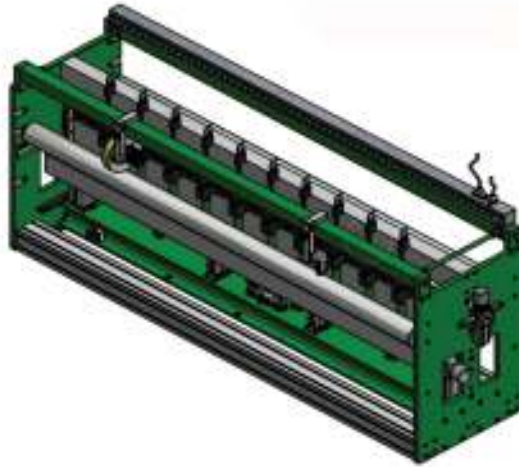
Laserpin installs punching tools whose lifespan is five times higher than the top competitors'.

**LaserPin**  
Perforation Equipment

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# LPA

The LPA is able to make holes in all types of materials on a moving web up to a maximum thickness of 800 microns. It makes round or shaped holes of different sizes on a moving web, mostly on plastic film. The great advantage of the LPA is the ability to operate at high frequencies and with high production rates.



## Maximum Working Width

5100 mm

## Maximum Material Thickness

800 microns

## Minimum Cross Distance

30 mm

## Maximum Speed

260 meters/minute

## Maximum Frequency

40 Hz

## Diameter of the Holes

2-50 mm

## Software 4.0

Integrated

## Double Bridge

No

## TYPE OF MATERIAL



LDPE



HDPE



PP



COATED



FOAM



PAPER



PVC

## MAIN APPLICATIONS

BANANA BAGS

PACKAGING

CRATES PACKAGING

BREATHABLE FILM