

Plastic Film Laser Perforating Equipment

This equipment uses laser technology to create micro-perforations in plastic films. The process allows for controlled airflow and moisture release, which extends the shelf life of packaged goods.



ADDITIONAL IMAGES



Overview

High-Precision Laser Perforation

This laser perforating equipment is designed to create precise microporous structures on various packaging materials, enhancing airflow and moisture control for fresh produce. By utilizing advanced laser technology instead of mechanical punching, it ensures clean, sealed edges that maintain material strength and integrity. The system is engineered to optimize packaging processes, allowing for faster filling, improved compression, and reduced shipping costs.

Performance Metrics

Operating Speed

200 m/min

Max Speed

Laser Power Options

55W, 100W, 200W

Technical Specifications



Precision-engineered frame with linear guides ensures accurate positioning of the laser head.

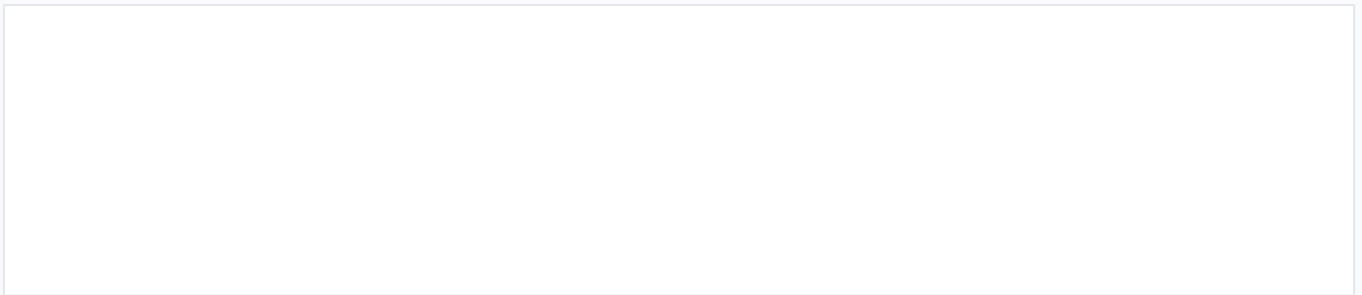
Hole Diameter	0.1mm - 0.2mm
Row Space Adjustment Range	20 mm
Laser Wavelength	10.6 µm

Features

Key Advantages

- Wide range of compatible materials
- Clean micro-perforation with heat-sealed edges
- Enhanced shelf life for fresh produce
- Easier filling with reduced air spillage
- Improved stacking and reduced shipping costs

Control System



Intuitive control interface for monitoring speed, length, and tension force during operation.

Adjustment Capabilities

- Vertical and horizontal laser source positioning
- Perforating edge distance control
- Focus distance adjustment
- Multi-row spacing control