



Compact Laser System

Efficiency and accessibility for growing operations

The PerfoTec Compact Laser Microperforation System is designed for film converters that want to incorporate advanced microperforation technology with optimized investment and easy operation. Ideal for compact lines and medium production volumes, it enables fresh products to achieve longer shelf life and better respiration control without the need for large infrastructure.



Microperforation for MAP in a Compact Format

It integrates PerfoTec technology into smaller formats, making it possible to produce high-performance microperforated films for fruits, vegetables, and flowers, with consistent OTR and full atmosphere control.

Versatile and adaptable precision

Microperforations from **50 to 200 µm** make it possible to develop solutions for different products, ensuring reliable packaging performance.

Easy integration

It can be easily installed on rewinders and slitters, allowing microperforation to be incorporated without affecting line productivity.

High speed and productivity

Up to **450 m/min** with a configuration of up to **2 laser heads**, ensuring efficiency in medium-scale production.

PerfoTec technology for modified atmosphere packaging (MAP)

PerfoTec is a leading Dutch company with more than 20 years of experience developing solutions that extend shelf life, maintain quality, and reduce waste in fresh products.

Our laser solutions apply microperforations with high precision, ensuring the exact gas exchange each product needs. Thanks to real-time camera monitoring and integration with the **PerfoTec Platform**, the system:

- Verifies every perforation and generates automatic reports,
- Adjusts the process in real time to maintain the target OTR,
- Guarantees consistency, control, and confidence, even for companies that are just starting with MAP.

Tech Specs

Technical specification	Compact Laser – 1 Head	Compact Laser – 2 Heads
Maximum speed	Up to 450 m/min	Up to 450 m/min
Perforation size	50–200 µm	50–200 µm
Configuration	1 laser head	2 laser heads
Maximum film width	800 mm	1300 mm
Dimensions (L × H × D)	1250 × 500 × 500 mm	1750 × 500 × 500 mm
Weight	Approx. 250 kg*	Approx. 300 kg*
Operating temperature	10–30 °C	10–30 °C
Electrical connection	115 / 230 V	115 / 230 V
Compressed air	6 bar	6 bar
Connectivity	Ethernet, min. 10 Mbps	Ethernet, min. 10 Mbps

We'd Love to Hear from You!

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