



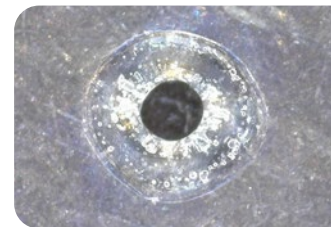
# PACKMAKER

## Multifunctional laser machine for flexible packaging

- **PackMaker** is the new system introduced in the PackMaster family and represents an opportunity for flexible packaging customers to have a versatile system able to perform both in cross web and web direction jobs.
- Maximum roll width: up to 1800 mm.
- It can be easily integrated into existing production lines.
- Modular solution: up to 8 upgradeable lasers.
- Quality: very high precision in the material removal and micro/macro-perforation,
- repeatability of the process over time and register die-cutting.
- Flexibility: the full digital process enables immediate process changeover and a substantial reduction in time and costs of production (which is not possible in the case of "analogue" mechanical solutions).
- ICARO proprietary software.
- Industry 4.0 Ready: full digital workflow integration.



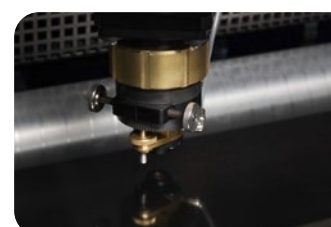
Micro-perforation



Scanning head



Focus optic





# PACKMAKER CONFIGURATIONS & APPLICATIONS

	NANO PERFORATION IN WEB DIRECTION	MICRO PERFORATION IN WEB DIRECTION	SCORING IN WEB DIRECTION	DASHED LINE IN WEB DIRECTION	MICRO PERFORATION IN CROSS WEB	SCORING IN CROSS WEB	SHAPES IN CROSS WEB	DASH LINE IN CROSS WEB	DOUBLE LINE WEB DIRECTION (MAX DISTANCE 3mm)	DOUBLE MICRO PERFORATION WEB DIRECTION (MAX DISTANCE 3mm)
Web direction ↑	⋮	⋮		- - -	•••	⌋⌋	○ ○ ○	- - -		•••
<b>MODULE S:</b> Scanning Head WA (200x200 mm)		✓	✓	✓	✓	✓	✓	✓		
<b>MODULE ST:</b> Scanning Head + Focus Optic WA (200x200 mm)	✓ <sup>[1]</sup>	✓ <sup>[1]</sup>	✓	✓	✓	✓	✓	✓		
<b>MODULE ST<sub>1</sub>:</b> Focus optic	✓ <sup>[1]</sup>	✓ <sup>[1]</sup>	✓	✓						
<b>MODULE T<sub>2</sub>:</b> Focus optic with aspherical lens									✓	✓
<b>APPLICATIONS</b>										
	- Controlled permeability - MAP	- Controlled permeability - MAP - Microwavable - Shrink-Sleeve	- Easy open - Closable Bags	- Easy open - Venting	- MAP - Microwavable - Shrink-Sleeve	- Easy open - Peel and Reseal	- Fruit and Vegetable Packaging	- Easy open - Venting	- Easy open - Closable Bags	- Controlled permeability - MAP - Microwavable - Shrink-Sleeve

[1] Micro/nano-perforation with hole run mode