

# MLPOUCH<sup>®</sup> LASER SYSTEM



LASER EXCELLENCE

- **MLPouch<sup>®</sup>** Laser module - optimized for use in pouch machines
- Advanced laser technology for the packaging industry
- Optimized and usable also for sustainable packaging materials

# MLPouch® Laser System

Perfectly adaptable, exactly to your needs



Pouch machines are used worldwide for the automated production of various pouches. These machines are usually used in the food, pharmaceutical and cosmetic industries.

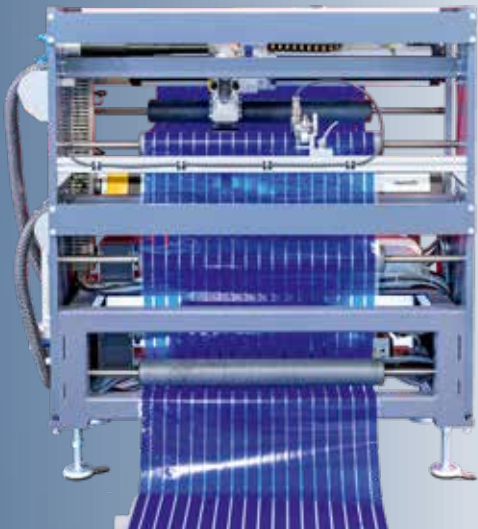
Pouch machines are technically quite exciting systems. First, the flat film rolls are placed on the machine. Then the film is drawn into the machine mechanism and formed. This is followed by the sealing of the pouch. The products are then placed in the bag and the bags are also sealed.

With the help of our **MLPouch®** laser modules, additional functions can be added to pouch packaging, for example:

- **Laser scoring** - for perfect opening behavior. It is specifically designed as an opening aid for packaging, allowing for easy and convenient access to

the contents inside. This technique provides a clean and reliable solution, enhancing consumer convenience while maintaining the integrity of the package.

- **Laser perforation** - for longer freshness and a controlled atmosphere inside the pouch. The laser beam creates a pattern of small, evenly spaced holes in packaging materials, specifically for Modified Atmosphere Packaging (MAP). These perforations allow for controlled and regulated airflow, maintaining the desired gas composition within the package to extend the shelf life of fresh produce or other perishable goods. Laser



perforation ensures precise and consistent results, optimizing the packaging process for maximum product freshness and quality.

There are many different types of pouch packaging on the market, which can be used for different purposes. The most common pouch packaging include: Flat pouches, stand-up pouches, tubular pouches, pouches with zipper closure. These various types of pouch packaging offer companies a wide range of options for packaging and transporting their products in an effective and practical way. As different as your bag machines can be, as different we can adapt our laser systems. We can

configure our MLT laser system according to your production requirements and customize it to your processes.

From testing your application, to the machine concept, to customized integration, to worldwide service - we offer all the necessary work from a single source. We look forward to your project inquiry!

# MLT Laser Systems – Application Examples

## LASER SCORING – Tear open made easy

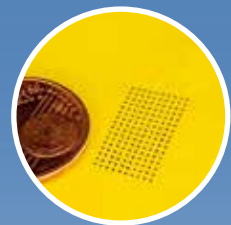
- Scribing in machine direction, or across
- Single lines, double lines, or free forms
- Also for “open-reclose” applications

## LASER CUTTING –

- Viewing window for advanced packaging
- Shapes in bags and packaging
- Cardboard boxes in small and large quantities
- Optimal as a replacement for mechanical punches

## LASER PERFORATION

- For “breathing” packaging: longer shelf life - more sustainability!
- Suitable also as a tear-off aid
- Often used as an additional feature for product protection against illegal counterfeiting



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