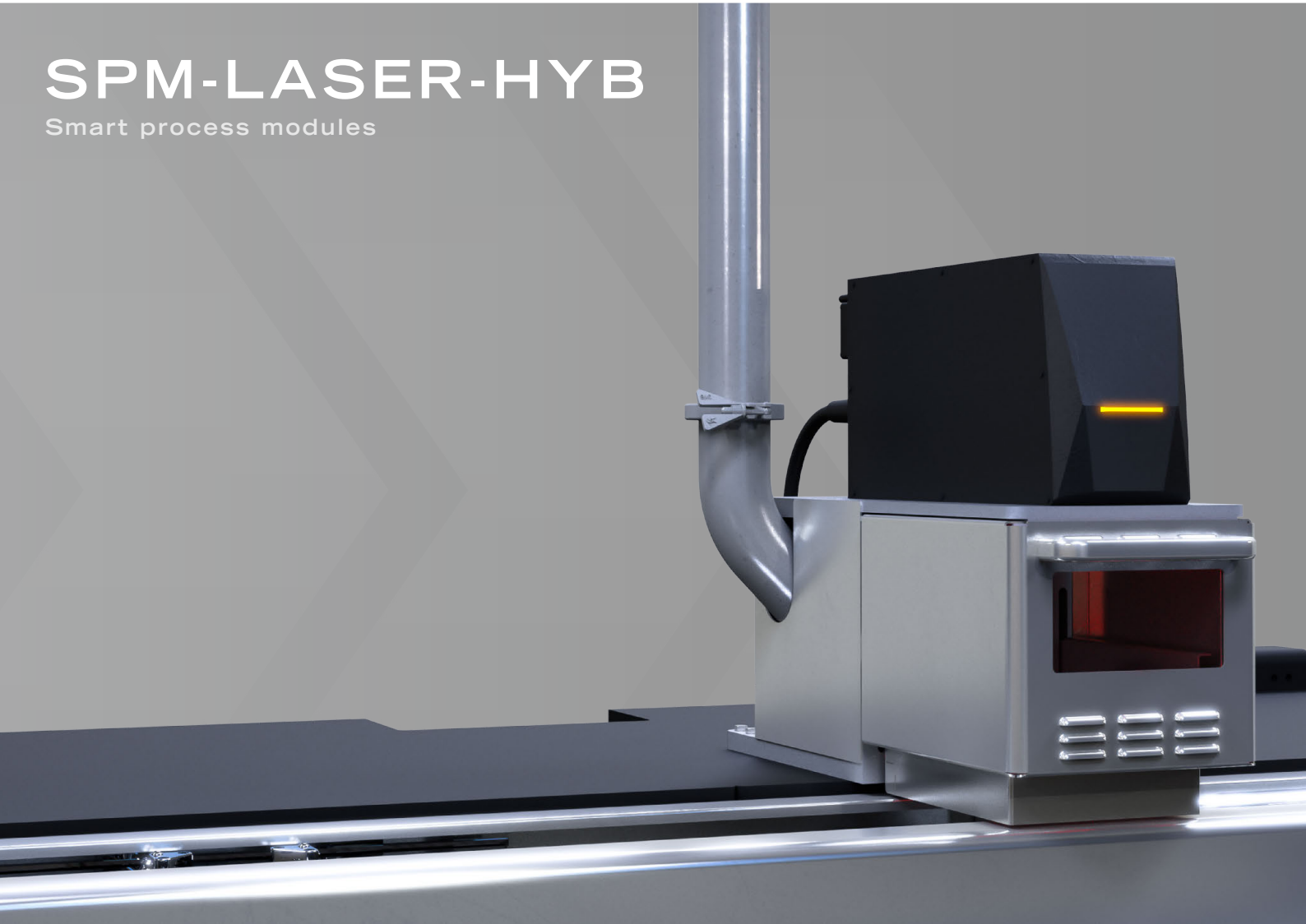


# SPM-LASER-HYB

Smart process modules



**“Understanding the medical device market, our Smart Process Modules, with modularity and innovation at their core, enable us to deliver known solutions to injectable device manufacturers, accelerating our customers’ time to market.”**

## Modular Building Blocks

Our pre-defined sections can be combined in multiple ways to deliver whatever process you require, at a fraction of the lead time compared to more traditional special purpose systems.

## Ease of Use

Mpac takes a proactive approach to ensure that we anticipate your scaling needs. We implement consistent technologies and validated processes from the start of product development, reducing risk and enabling you to scale up to medium or high-volume production more quickly and with confidence.

## Standardised Design

Standardised elements, such as process modules and pneumatic layouts, are what makes our machines faster to build, easier to maintain and more cost effective.

## Sustainable Approach

Our platform not only prevents waste with high OEE and product yields, deploying modular design principles allow machines to be re-purposed, such that they can be reused for your next product introduction.



## SPM-LASER-HYB

Extremely adaptable laser marking and cutting module, complete with vision capability and dedicated fume extraction. Many laser options available including CO2, Hybrid, Fibre & UV. Designed to complement Mpac Platform chassis, and service all our standard indexing systems.

## Specifications

Type	Specifics
Cycle time	2.5 seconds at maximum stroke for parts up to 250g
Hygienic form factor	Designed for wipe-down cleaning with contained electrical & pneumatic service routes
Plug and play	Onboard control hardware removes requirement for custom modifications to platform
Modular	Mountable for multi-up machine production
Configurable	End effector configurable to your application needs
Joining	Hot plate, ultrasonic, RF, laser welding, gluing, bonding & tape laying
Multi-up quantity	4 to 8
Working cycle speed	2.0 seconds
Product pitch	Minimum 60mm

## Features & Specifications

### > Specifications

- Fume extraction
- Flexible and scalable
- Modules can be combined in any order and re-ordered/added to a delivery at a later date
- Modules can be linked together
- Mpac service offering incorporating Mpac Cube
- Incorporated fail safe mechanisms

### > Features

- Environment
  - *ISO7 compatible*
- Validation
  - *GAMP5 & 21CFR Part11 compliant*
- Footprint
  - *1140mm (H max) x 370mm (W) x 1355mm (D)*