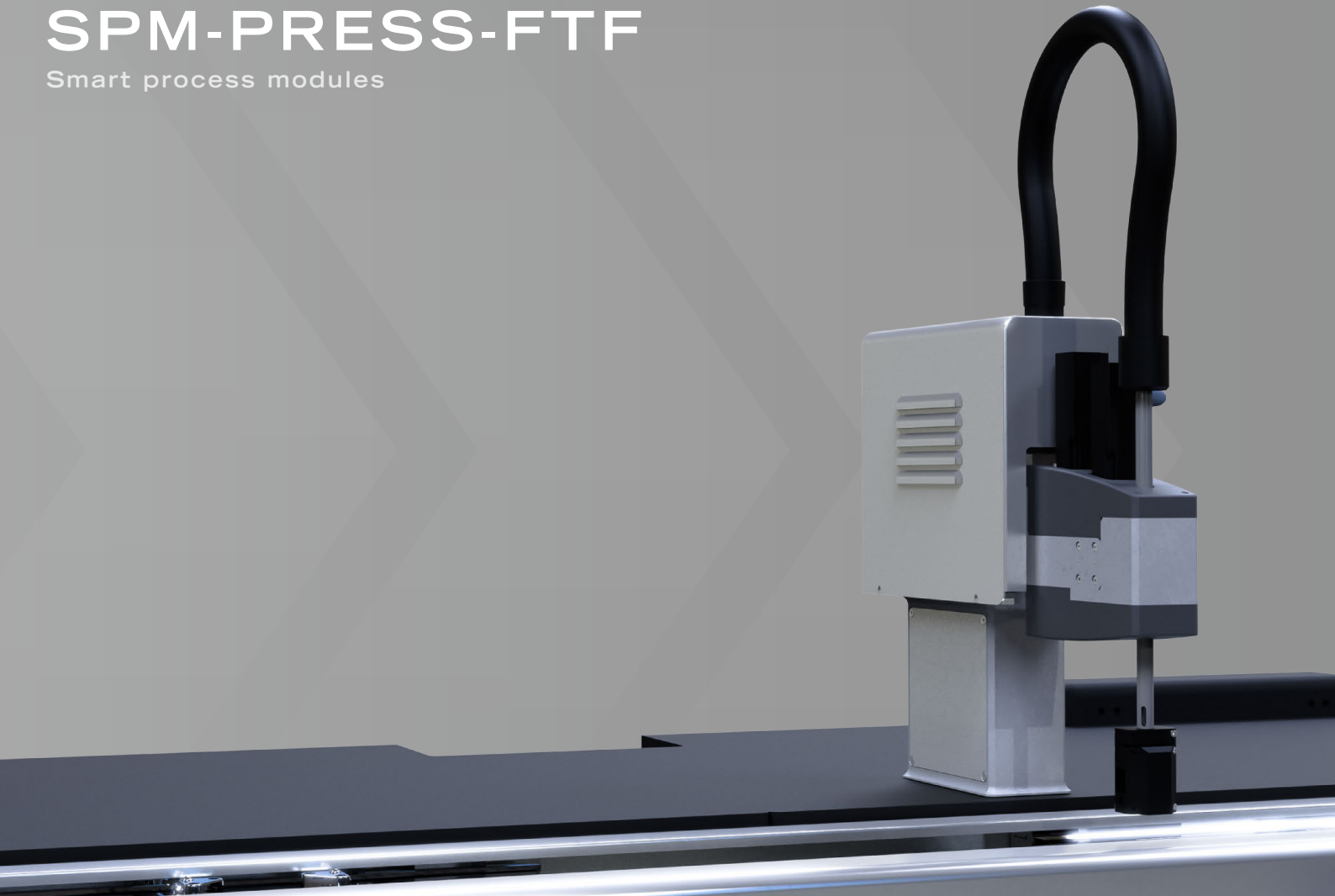


# SPM-PRESS-FTF

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-PRESS-FTF

Extremely compact and accurate force feedback press, designed for low force and torque applications. This has been designed for assembly of medical devices such as inhalation and injectable devices and can record and display feedback for every cycle of a process application. Designed to complement Mpac's Platform chassis, and service all our standard indexing systems.

## Specifications

| Type                 | Specifics  |
|----------------------|--|
| Linear axes          | Force control up to 100N with load cell force feedback                                   |
| Rotational axis      | Torque Control up to 2Nm with load cell torque feedback (Optional)                       |
| Mounting             | Mounts to standard platform post   |
| Cycle time           | 2.0 seconds at maximum stroke  |
| Hygienic form factor | Designed for wipe-down cleaning with contained electrical & pneumatic service routes     |
| Plug and play        | Onboard control hardware removes requirements for custom modifications to platform       |
| Modular              | Mountable for multi-up machine production (75mm Pitch)                                   |
| Configurable         | End effector configurable to your application needs (gripping / screw-driving / tamping) |
| Throughput           | Up to 30 parts / min   |

## Features & Specifications

### > Specifications

- Highly configurable motion profiles
- Low mass moving parts for ultimate sensitivity
- Available in linear only or linear and rotatable versions
- Compact footprint
- High speed & high resolution feedback
- Low cost motor torque feedback only version available for simple applications

### > Features

- Environment
  - *ISO7 compatible*
- Validation
  - *GAMP5 & 21CFR Part 11 compliant*
- Footprint
  - 465mm (H) x 75mm (W) x 240mm (D)