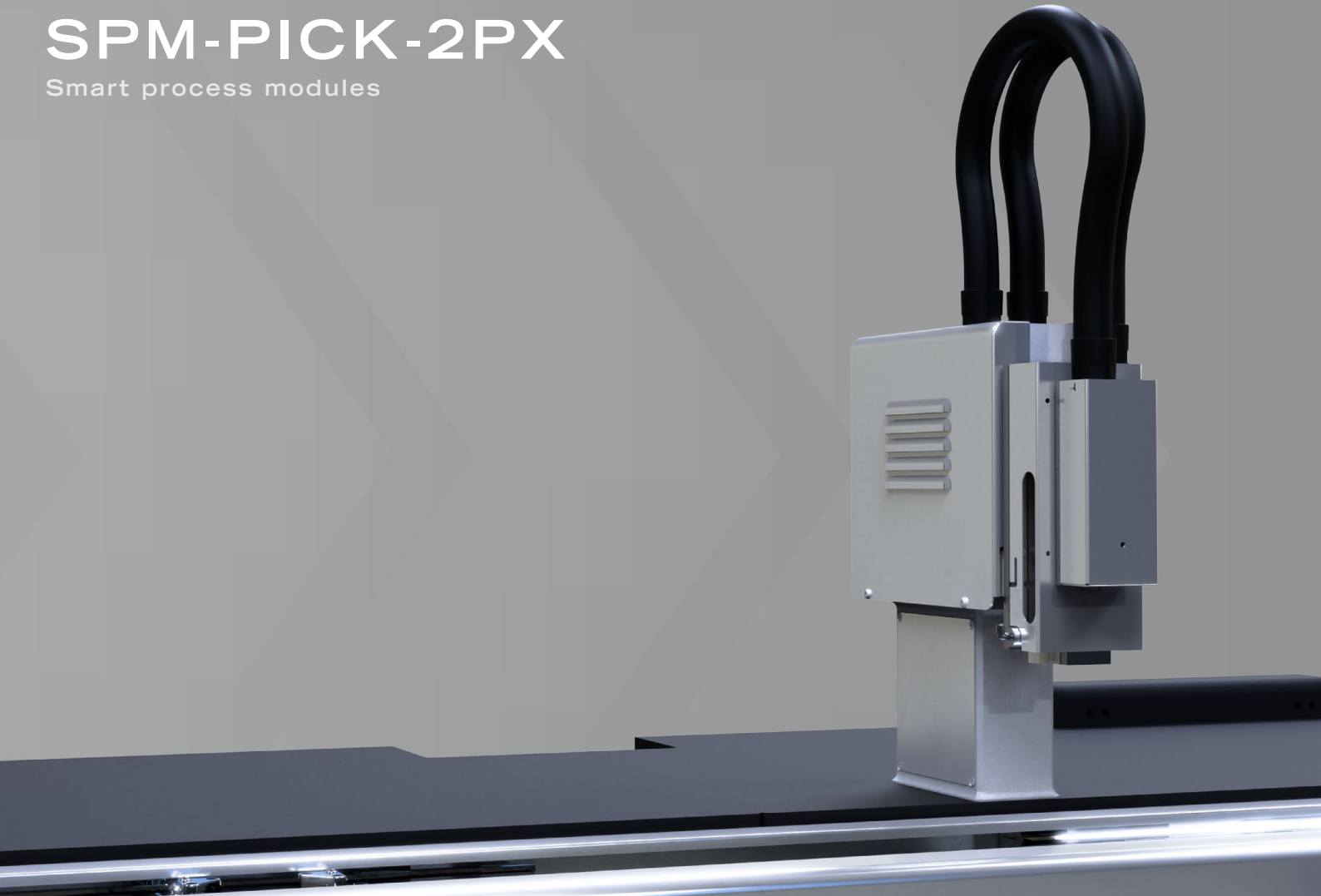


SPM-PICK-2PX

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-PICK-2PX

Pick and place solution designed to accommodate a large variety of point-to-point pick and place applications. Ideal applications are picking from feed systems and placing into assembly tooling. Designed to complement Mpac Platform chassis, and service all our standard indexing systems.

Specifications

Type	Specifics
Linear axes	Pneumatically-driven
Horizontal stroke	Up to 200mm
Vertical stroke	Up to 100mm
Cycle time	3.0 seconds at maximum stroke for parts up to 100g
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
Configurable	End effector configurable to your application needs
Throughput	Up to 20 picks / min

Features & Specifications

> Specifications

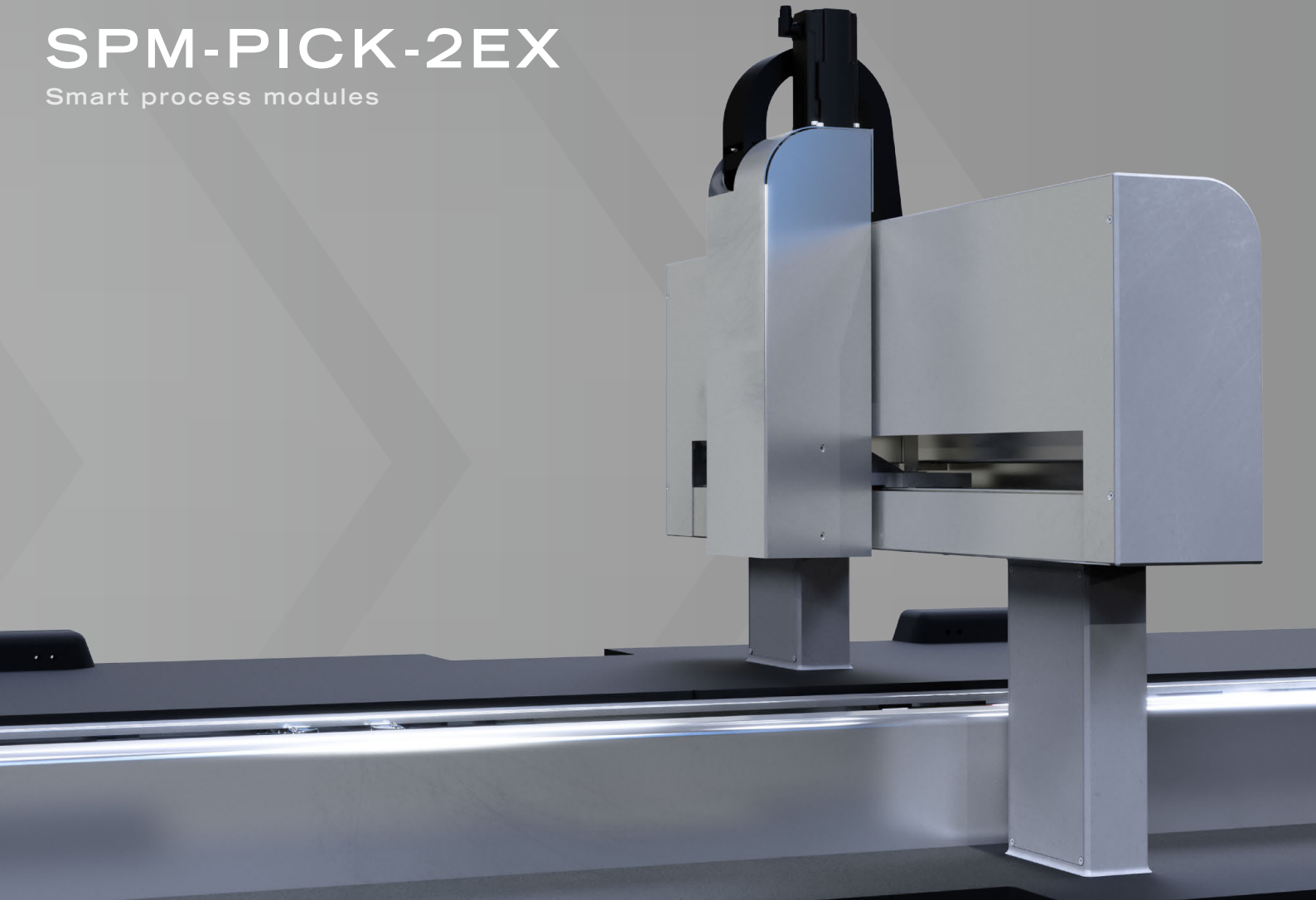
- Point to point pick and place
- Highly repeatable (+/- 0.05mm)
- Capable of high payloads
- Compact footprint
- Suitable for mechanical gripper or vacuum based picking
- All valves and I/O requirements mounted on module

> Features

- Environment
 - *ISO7 compatible*
- Validation
 - *GAMP5 & 21CFR Part 11 compliant*
- Footprint
 - *465mm (H) x 120mm (W) x 400mm (D)*

SPM-PICK-2EX

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

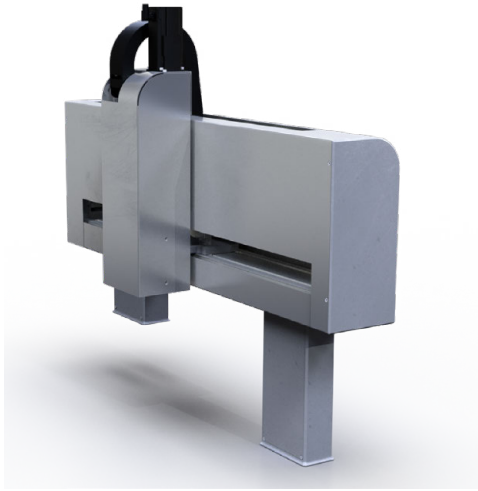
Mpac takes a proactive approach to ensure that we anticipate your scaling needs. We implement consistent technologies and validated processes from the start of product development, reducing risk and enabling you to scale up to medium or high-volume production more quickly and with confidence.

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-PICK-2EX

Configurable and highly accurate pick and place solution capable of supporting very heavy tooling to service multi-point pick and place applications. Ideal applications are picking from tray feed systems and placing into assembly tooling. Designed to complement Mpac Platform chassis, and service all our standard indexing systems.

Specifications

Type	Specifics
Linear axes	Servo motor actuation
Horizontal stroke	Up to 800mm
Vertical stroke	Up to 200mm
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
Configurable	End effector
Throughput	Up to 25 picks / min

Features & Specifications

> Specifications

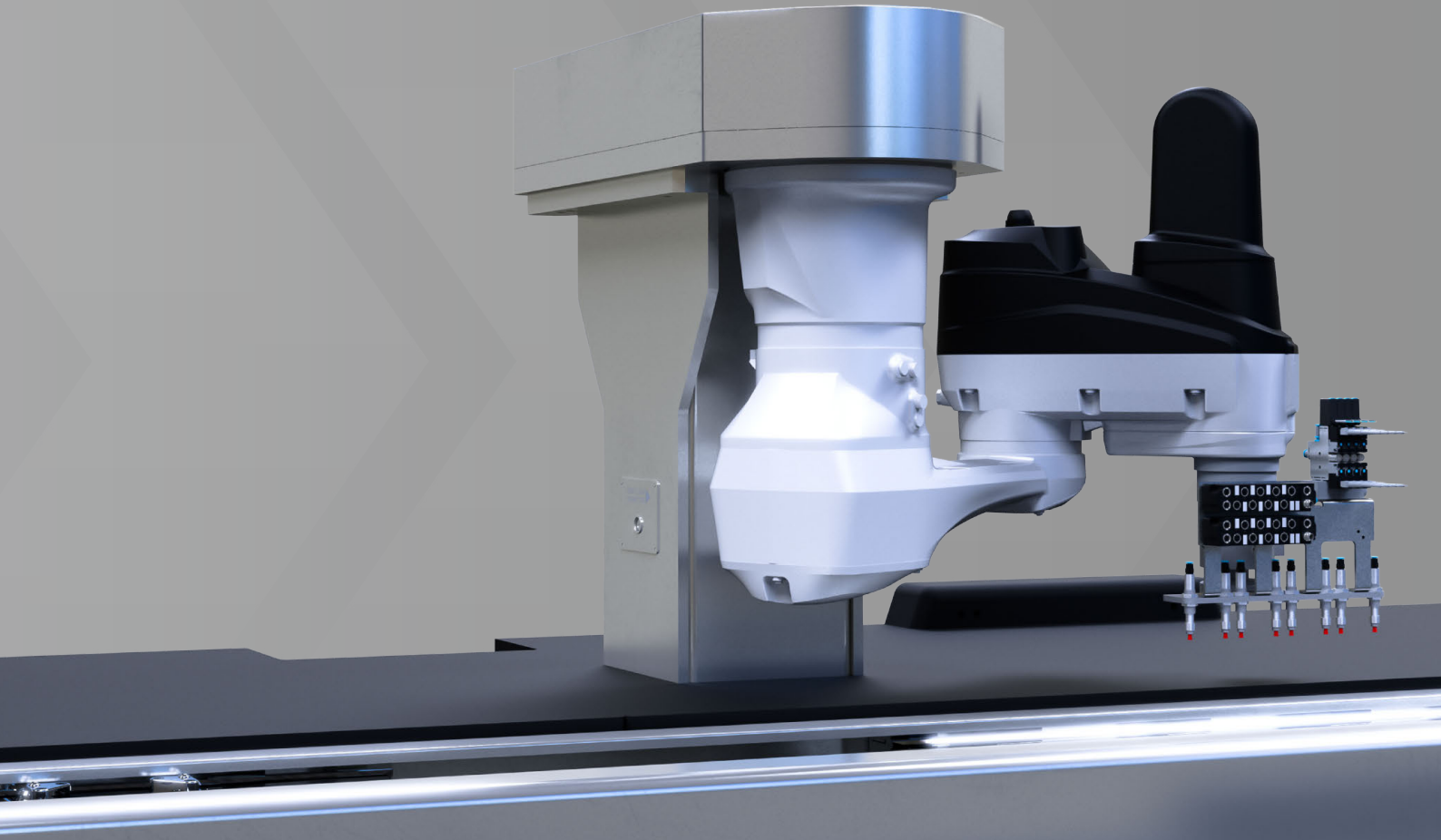
- Point to point pick and place
- Highly repeatable (+/- 0.05mm)
- Capable of high payloads
- Compact footprint
- Suitable for mechanical gripper or vacuum based picking
- All valves and I/O requirements mounted on module

> Features

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

SPM-PICK-1RS

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

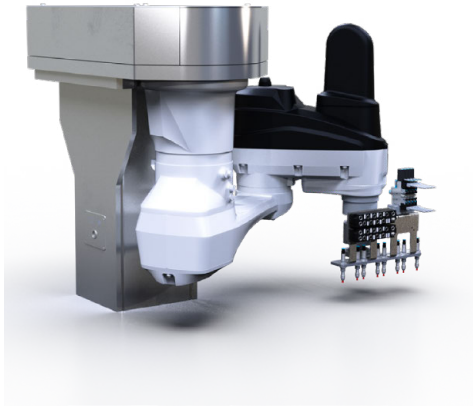
Mpac takes a proactive approach to ensure that we anticipate your scaling needs. We implement consistent technologies and validated processes from the start of product development, reducing risk and enabling you to scale up to medium or high-volume production more quickly and with confidence.

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-PICK-1RS

Extremely flexible and highly accurate pick and place solution capable of supporting a nominal 5kg tooling weight to service multi-point pick and place applications. Ideal applications are picking from tray feed systems and placing into assembly tooling and can track moving tooling on flexible indexing systems.

Specifications

Type	Specifics
Linear axes	SCARA 4 Axis robot motion
Horizontal stroke	Up to 1200mm
Vertical stroke	200mm Standard (400mm optional)
Cycle time	1.5s with up to 5kg payload (including tooling)
Hygienic form factor	All cables and pipe routes contained within module / Clean room optional
Plug and play	Onboard control hardware removes requirements for custom modifications to platform
Modular	Single or double robot versions
Configurable	End effector configurable to your application needs
Throughput	Up to 90 picks / min
Variations	SPM-Pick-2RS - Twin robotic pick and place available on request

Features & Specifications

> Specifications

- Point to point pick and place
- Highly repeatable (+/- 0.05mm)
- Capable of high payloads
- Compact footprint
- Suitable for mechanical gripper or vacuum based picking
- All valves and I/O requirements mounted on module

> Features

- Environment
 - *ISO7 compatible*
- Validation
 - *GAMP5 & 21CFR Part 11 compliant*