MPS

MPS Perform-II with attached SF-2S Automatic Syringe-Packaging Machine

January 2023

PERFORM-II with attached SF-2S,

MPS Maschinen- & Pack-Systeme AG, provider for healthcare packaging systems and specialists for packing syringes and needles, introduces the new High-Speed Syringe Packaging Line, the PERFORM-II with attached SF-2S.

“OFF-LINE” or “IN-LINE” Syringe Packing System

It is well known and mathematically proven that the "OFF-LINE" production system for Syringe packaging, with packaging separated from assembly, has a much better efficiency than the "IN-LINE" production system, where the assembly machine and the packaging machine are directly connected. For this reason, MPS recommends and supports the "OFF-LINE" production system and has also developed appropriate machinery.

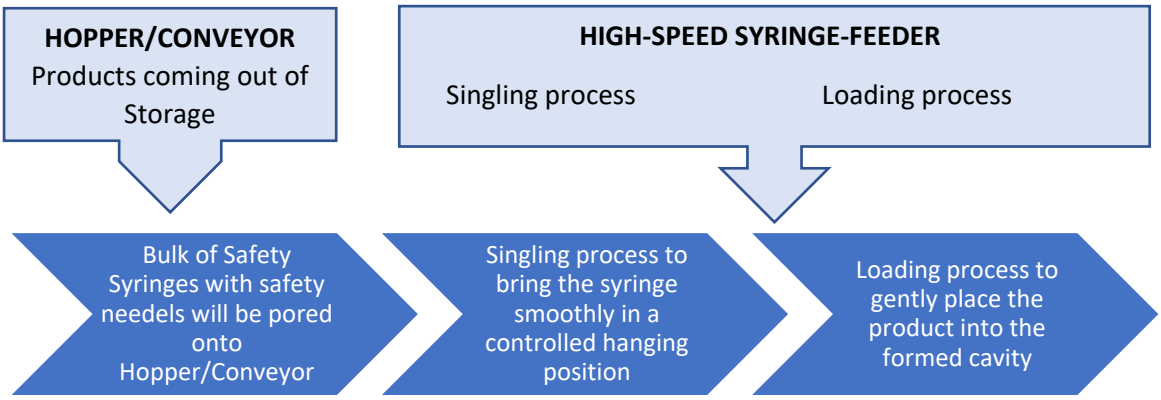
High-Speed Syringe Packing Line for AD-Syringes

The PERFORM-II (version 23) with attached SF-2S, manufactured by MPS Maschinen- & Pack-Systeme AG, is the latest addition to the well-known MPS product family, based on the same proven and reliable platform as the popular previous PERFORM-II. Additionally equipped with the highly effective and newly developed hopper/conveyer system of the Syringe Feeder SF-2S, this high-speed syringe packaging line now also handles AD syringes and safety needles, increasing throughput and reducing production rejects to almost zero.

Challenge for AD-Syringes and -Needles

In our "OFF-LINE" syringe production line it is a challenge to smoothly move the delicate AD syringes into a suspended position during the singling process and thereafter load the syringes into the formed cavities of the FFS machine (also called blister packing machine) during the loading process without activating the auto-disable system of the AD syringe. This is especially the case when the speed of the entire line is very high.

Feeder process steps with “OFF-LINE” syringe packing system



Product specification

Operational Mode	Fully automatic
Type	Blister Packing Machine (FFS) plus Syringe-Feeder
Application	Syringes, AD-syringes, with or without needles (also AD-needles)
Domain	Medical Devices Industry
Other characteristics	"OFF-LINE" syringe packing system
	GMP standards
	Various Control Functions are integrated.
	Auto boxing of blister packed syringes can be seamless integrated to the Syringe Packing Line.
Bottom web width	420mm
Max. machine speed	> 25 cycles/minute
Throughput	> 500 syringes / min. (Format 10.2)
Operator Safety	Safety Devices according to CE-Norms
Power supply	3 x 400VAC + N + E
Power consumption-	Fuse: 12 KW / Running: 6-8 KW
Dimension of machine	10'800×2'800×2'280mm (LxWxH)
Weight	3500 kg

The PERFORM-II with attached SF-2S is ideal for users who need high-speed syringe packaging lines with a unique output of 500 syringes/minute and guaranteed integrity of the AD-syringes to be packed with various integrated control functions.

The PERFORM-II with attached SF-2S is available directly from MPS Maschinen- & Pack-Systeme AG who distributes them worldwide.

Product details and videos are available on demand.

White paper authored by:

MPS Maschinen- & Pack-Systeme AG,

14. January 2022

MPS
MASCHINEN & PACK-SYSTEME AG
Langackerstrasse 29, 6330 Cham, Switzerland
+41 41 780 36 81 / info@mps-swiss.com