

MAFU Spring Feeding System Medical Technology



With the MAFU spring feeding system, springs for the assembly of inhalators can be fully automatically disentangled, presented, and fed into the chain of assembly. Owing to the length of the springs in this application, the high feeding performance called for and suitability for clean rooms, the MAFU spring feeding system represents a technically complex solution for spring feeding.

The MAFU spring feeding system offers the following advantages:

Cost effectiveness:

Due to its complete autonomy, the use of special high-capacity bins, and its high-performance separation, the MAFU spring feeding system represents a highly attractive and economical solution for feeding the longer springs used in medical technology.

Quality / Reliability:

Through the use of a sensor, springs that are doubled or stuck together are identified in the disentangling drum and sorted out at an early stage. By this means is the trouble-free transport of springs without twists guaranteed.

Maintenance:

Through the maintenance-friendly construction of the unit, mechanical breakdowns can be rectified in next to no time. Manual emptying and drum exchange can be carried out without tools, thereby guaranteeing a quick reassembly.

Field of Application:

Feeding Technology:

Fully automatic disentangling, presentation, and feeding of springs for the assembly of inhalators in medical technology.

Sectors:

Medical Technology

Customers:



**Boehringer
Ingelheim**

microParts

The MAFU spring feeding system was specially conceived to feed the longer springs used in the assembly of inhalators. To permit its use in clean rooms, only FDA-approved materials are used in its construction.

Range of parts:

Disentanglement, provision and feeding of springs with dimensions:

Diameter: 21,5 mm
Length: 134 mm



MAFU

Spring Feeding System

Medical Technology

Method of Functioning:

Special Bin System:

The special bin system, comprised of the part stocking system and the steep conveyor, was specially constructed for these springs, and for use in clean rooms. Owing to its large fill capacity, an autonomous and reliable supply of springs to the drum is guaranteed.



Disentangling Drum:

The disentangling drum, like the entire system, was conceived for use in clean rooms. In order that feeding runs smoothly, springs that are doubled or stuck together are identified by a sensor and then slotted through a cylinder from the drum's conveyor band.



Conveyor Route:

Feeding the assembly station is effected over a stainless steel conveyor band that is suitable for clean rooms. At the end of the feed route, the springs reach a barrier and are then taken from the removal module.



Complete Installation:



MAFU

MAFU GmbH
Daimlerstraße 7
D-72348 Rosenfeld
Tel. +49 (0) 74 28 / 9 31-0
Fax +49 (0) 74 28 / 9 31-400
e-mail: info@mafu.de
Internet: www.mafu.de