

## MAFU Multi-Disentangler „Shaker“

The MAFU Shaker is a pneumatic disentangling system for disentanglement of workpieces delivered in bulk, such as e.g. springs, bent wire parts, clips or other parts. The technical concept makes it possible to disentangle widely different workpieces and serve them up one at a time, independent of material or geometry. The disentangler can be operated as a standalone unit or integrated as a component into an automatic processing system. Different sizes of disentangling chambers allow disentanglement of different fill quantities and part sizes.

### The MAFU Shaker offers the following advantages:

#### **Economy:**

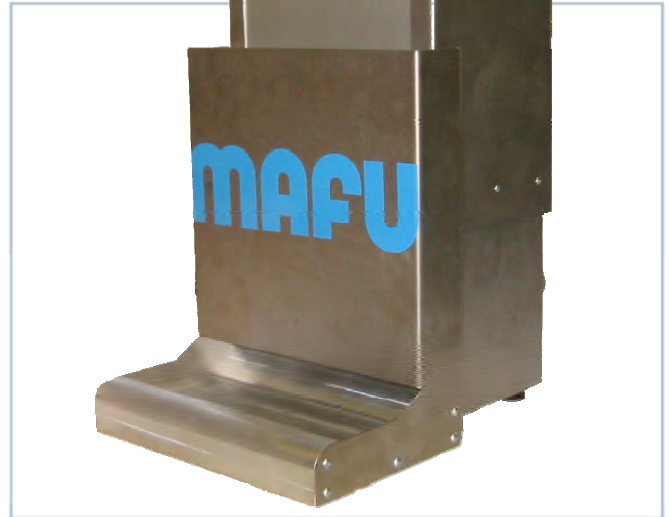
The adjustable crossbars at the outlet of the disentangling chamber make it possible to change settings and disentangle widely different part geometries with very little effort. What is more, the disentangling and feeding capacity can be infinitely adjusted.

#### **Flexibility:**

Through its versatile use as a standalone unit, as a component in an automatic system or as a pre-sorting unit for a MAFU spiral feeder, the MAFU Shaker ensures maximum flexibility.

#### **Reliability / Ergonomics:**

The MAFU Shaker is particularly low maintenance and, due to its high reliability, delivers a convincing performance in continuous use. Its simple operation as well as technical concept allows the MAFU Shaker to be used in almost any work environment.



### **Fields of Application:**

#### **Disentanglement technology:**

Disentanglement and readying of bulk parts which are difficult to separate from each other, independent of material and part geometry. The MAFU Shaker can be operated as standalone unit, integrated into an automatic processing system or used for pre-sorting.

#### **Sectors:**

- Machine building
- Automobile industry and its suppliers
- Electrical and electronics industry
- Plastic industry
- Medical and pharmaceutical industry
- Cosmetics industry
- Furniture industry
- Toy industry
- And any more....

# MAFU Multi-Disentangler „Shaker“

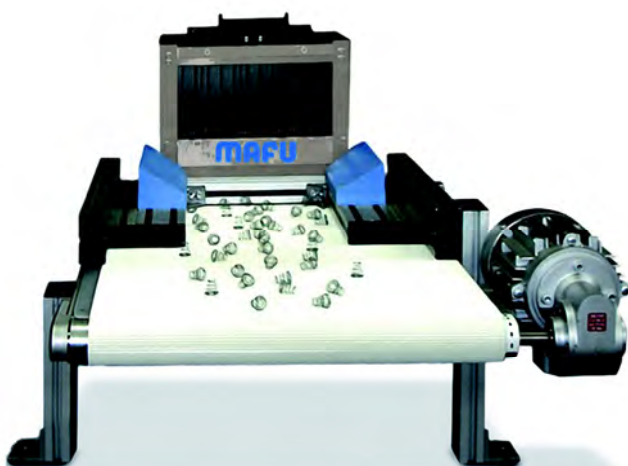
## Principle of operation:

The bulk parts are filled manually or automatically through an funnel directly into the disentangling chamber of the MAFU Shaker. Through the vertical stroke movement of the compressed air-driven piston vibrator and the slight incline of the chamber base plate towards the outlet, the bulk parts are separated from each other and transported in the direction of the outlet. The individual bulk parts fall from the chamber outlet directly into a collecting pan and can be removed there.

## Standalone unit:



## Integration example:



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