

FEEDING AND ORIENTATION EQUIPMENT

To transfer electronic or mechanical components

A vibratory feeder is a very suitable tool for moving small electronic components or mechanical parts into the working position of the machine. To its track along which the components travel, individual orienting devices can be added to set the components into required position at the track end.

There are four typical applications of transfer and orienting of components by means of vibratory feeders:

1. Assembly lines,
2. Sorting equipment (sorting acc. to mechanical or electrical parameters),
3. Tape and reel process,
4. Measuring equipment.

HaS Lanškroun company is specialized both in production of vibratory feeders alone, but also in optimization of their orienting elements for each specific case. The company has got extense experience from various applications of vibratory feeders used by the company or supplied to the Customers.

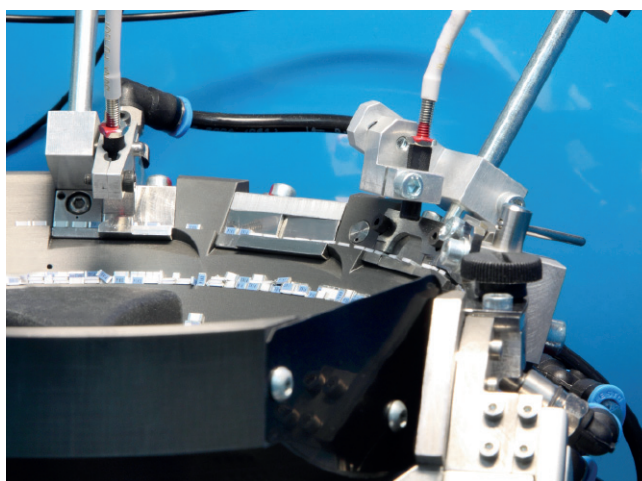
Size of transported components is up to 10mm approximately.

In the vibratory feeder, the components move smoothly and this is preserving their surface quality.

Feeding speed can be even 10 units per second in case of small components.

Each vibratory feeder is complemented with an **independent control unit**, used to set the feeding speed. By this, the speed of moving components can be adjusted to prevent their piling up at certain places of the track and subsequent falling back to the bowl bottom. In contrast with previous types of feeders utilizing the mains frequency 50Hz, the control unit is using higher frequencies. By this a higher performance of the feeder is achieved while reducing the energy consumption.

This control unit is universal for all types and designs of vibratory feeders.



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