

SORTOMAT D

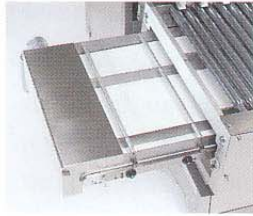


***Sorting machine for tablets,
dragees, capsules, hard-boiled candies,
chewing gum and similar products.***

Precise check of products regarding thickness, diameter and length. Wide range of accessories to meet the needs of a modern production.



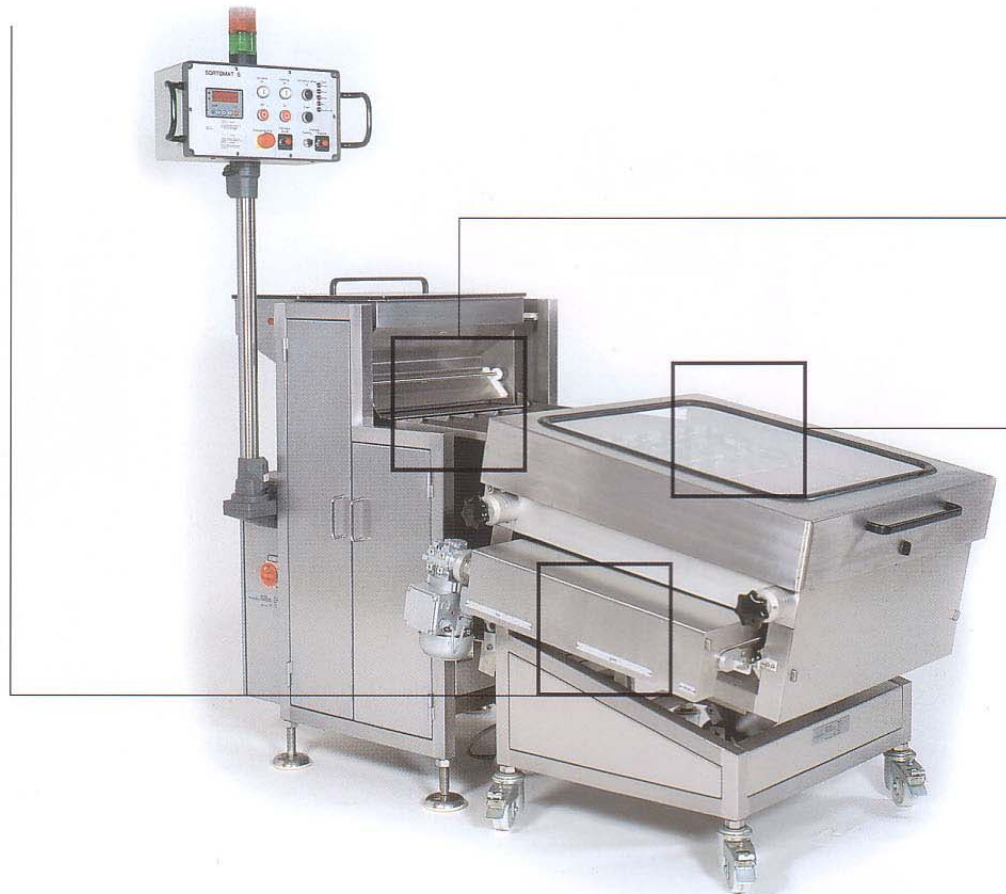
Vibratory chutes allow safe and gentle product discharge as well as ease of cleaning.



Fast and simple assembly/disassembly of discharge belts through hinged belt tensioner.

SORTOMAT

The consequent modular design offers different outfeed systems such as belt, slide chute or vibratory chute and helps to meet with essential production requirements such as ease of cleaning, minimal changeover times, gentle product handling and protection against cross-contamination.



Versatile Application

Sorters by MASCHINPEX are used for fully automatic checking of pharmaceutical and confectionery products. The SORTOMAT sorts regarding thickness. The DIASORT checks the product regarding diameter and length. The combination model SORTOMAT D sorts regarding thickness plus diameter and length.

Efficient Operation

The product to be sorted is fed from the feed hopper to the sorting section via an adjustable gate and a vibratory feed chute. In the DIASORT the product is guided over two layers of vibrating perforated platens where they are separated in *oversizes*, *good product* and *undersizes*. In the SORTOMAT the product is canalised and fed to the sorting rollers. These can be adjusted to the desired tolerances without any format parts and separate the product in the fractions *too thin*, *good* and *too thick*. The SORTOMAT D first guides the product over the diameter sorting unit and then checks regarding thickness.

SORTOMAT with vibratory feed chute for product line-up and subsequent transfer to the thickness sorting unit.



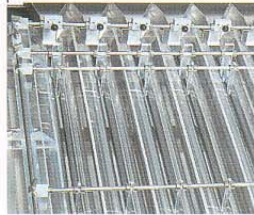
Integrated DIASORT system on SORTOMAT D for diameter and length sorting.



Accurate check of product thickness on specially designed highly precise sorting rollers.



Transparent safety cover frame for regulation of the product flow and optimal monitoring of the thickness sorting section.



DIASORT



Major Advantages

- GMP design with all stainless steel machine construction.
- State of the art machine conception to avoid »cross-contamination«.
- Excellent to clean through *tool-less assembly/disassembly* of product contact parts.
- *Bipartite frame* to ensure best access to and easy inspection of all machine components.
- Adjustment of thickness tolerances is effected *without any format parts*.
- Various levels of automation available for *rapid product changeover*.
- *Inclination of sorting rollers* automatically adjustable through lifting motor.
- Production data acquisition available. Stores all *product-specific parameters and machine settings*.
- *Various infeed and outfeed systems* available to meet with general processing/ packaging concept.
- Combination with inspection machines VISOMAT I or VISOMAT II for additional inspection regarding cosmetic defects.
- Combination with ELEVATOR or TABLIFT for on-line synchronisation with downstream packaging machines.
- More than 500 installations world-wide.

GMP Design

The danger of »cross-contamination« is minimised due to smooth surfaces without hidden corners in combination with excellent access to all functional parts, thereby avoiding product traps. Short cleaning down-times thanks to tool-less assembly/disassembly of the product contact parts.

Automation

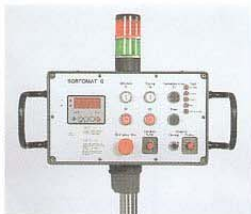
Various automation concepts are available. These range from manual adjustment of the sorting tolerances with digital readout over an automatic microprocessor controlled adjustment to a completely menu-guided adjustment via an industrial PC. The PC-control handles all product-specific and machine related data and allows for link-up to an existing SCADA system.



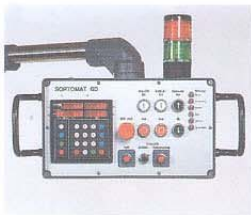
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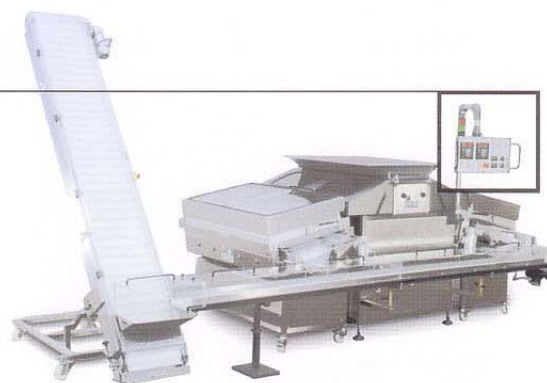
Control panel with digital readout of manually set thickness tolerances.



Microprocessor control with product memory for automatic adjustment of the thickness tolerances.



Automatic adjustment of product and machine related data via industrial PC and SCADA system.



SORTOMAT 12D/2 to feed a tablet counter/bottle filling line.



SORTOMAT 20 with subsequent inspection and weighing.

Technical Data SORTOMAT D

SORTOMAT

Checks thickness and rejects twins, lumps and similar.

DIASORT

Checks diameter resp. length and rejects breakages, dust, twins and similar.

SORTOMAT D

Checks thickness and diameter resp. length and rejects breakages, dust, twins, lumps and similar.

Products

Tablets, dragees, capsules, hard-boiled candies, chewing gum, chocolate lentils, soft mints and similar.

Output

SORTOMAT from 3 to 20-lane execution. Output up to 1 mio. products/h.

Sorting Accuracy

Thickness 0,03 mm depending on product
Diameter 0,1 mm depending on product

Electricity

400 V, 3 Ph + N + PE, 50 Hz

The MASCHINPEX product range includes:

- Inspection Machines
- Sorting Machines
- Outside Washing and Decontamination Machines
- Capsule Polishers
- Feed Systems
- Containers