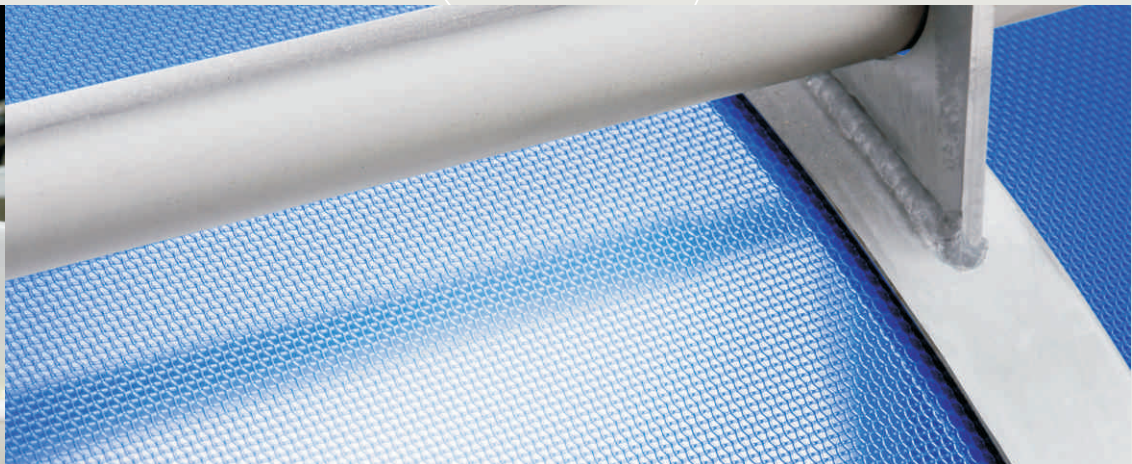


## Sifting and safety



### **Centrifugal sifters T600, T1000**

Powders quality insurance

Compliance of process systems

Inspection of in-line sieves

Sifting 600 microns



## Applications

- Sifting test prior and after the transformation: no foreign particle (bag fiber, lumps, paper remnants) dropped into the production.
- Sifting test prior to filling up and packaging: ensuring that only above quality reproach merchandise will leave the production.
- De-agglomeration of lumps with a minimum product loss: applicable to products delivered in bags and in bulk, eliminating by sifting and fines re-circulating.
- Granulometric separation.
- Machines exit protection (mills, dividing machines...).



**T1000**  
 Mesh of 600 microns.  
 Equipped with a slide for quick inspection of the sieve.  
 By-pass selection of foreign particles.

## Benefits

The centrifugal sifting is recognized as a world standard. The benefits of this technology are:

- Fast sieve's change and inspection.
- Automatic tailing of large particles.
- Easy cleaning and maintenance.
- No vibration: prevents from the risk of segregation.
- Easy to integrate within the already existing installations.
- An "in-line" set up, directly on pneumatic circuits.
- Silent and compact.
- An easy maintenance and immediate access to the sieve through guiding rails and quick actuation access gates\*: no disassembly tool is needed; operator's protection through safety switch.
- A full proof sealing and bearing mounts protection through a purge system.
- Double bearing mounts with special sealing tight joints.
- Reduced maintenance.



## Technical specification and functional principle

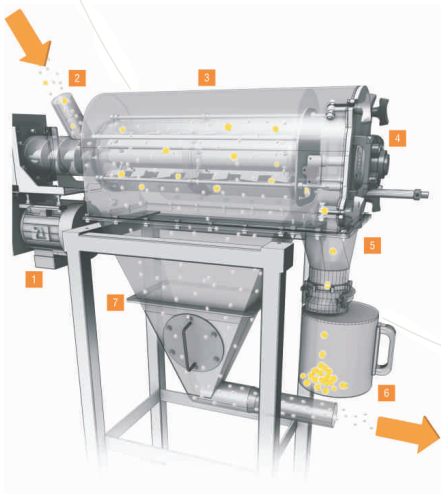
The product is conveyed in the sieve thanks to the in-feed screw where it is rotated by rotating blades. The fines go through the sieve while tailings are ejected towards the tailings exit. The sifting cloth vibrates a little bit and will automatically self-clean.

## Options

- Jet vent cleaning by compressed air adapted to sticking products.
- Inspection gate equipped with fast closure: allows to withdraw easily the sieve container for control mean.
- By-pass selection of foreign particles.

### Innovation:

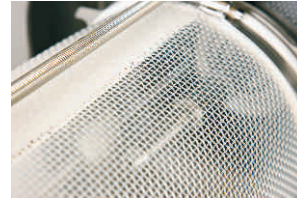
The feeding screw, the entire screen and the rotor can be removed in record time without special tools.



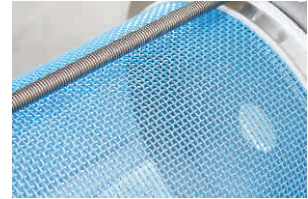
- 1 Motor drive with pulley or direct drive.
- 2 Product entry.
- 3 Sieve with container and fasteners.
- 4 Screw shaft with seal-compressed and air-actuated bearing mounts.
- 5 Foreign particles recovery fitting with automatic valve.
- 6 Tailings container.
- 7 Exit fitting

# Technical data

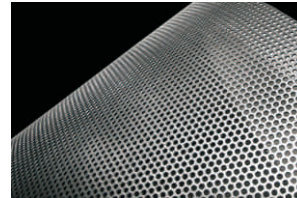
- The gravity model is used upstream or downstream from the storage or unloading hoppers.
- The pressurized model is used in-line in closed pneumatic circuits.
- The body is made of epoxy carbon steel (baked at 200 degrees C) or in stainless steel.
- The sieves may be in polyamide or in carbon antistatic fabric for fine sifting, perforated bar or steel plate.
- The sieve can be inspected/ changed quickly and without any tool through a fast opening system of the inspection door.



(1) Polyamide sieve



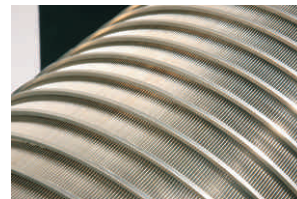
(1) Polyamide sieve (blue)



(2) Perforated stainless steel plate



(3) Stainless steel wire screening sieve



(4) Wedge Wire sieve

# VIBRO SIFTER

## **Inline vibrating sieve :**

The vibrating sieve is used to sift 100% of the recipes components and ensure the safety of the final product by avoiding the introduction of foreign particles.

### Avantages:

- Reduced maintenance
- Easy removal of the grid
- Fast opening without tools
- Sealed device: no dust release
- Blue seals: visual detection in production area
- Easy to incorporate into existing installations

vibrating sifter



# INGREDIENTS SAFETY – FOREIGN BODIES

Manual sifting : Tamobile



## Tamobile Mobile elevating sifter

Mainly used by bakers, the Tamobile is made for feeding mixers or any other machine with bag conditioned flours and powders.

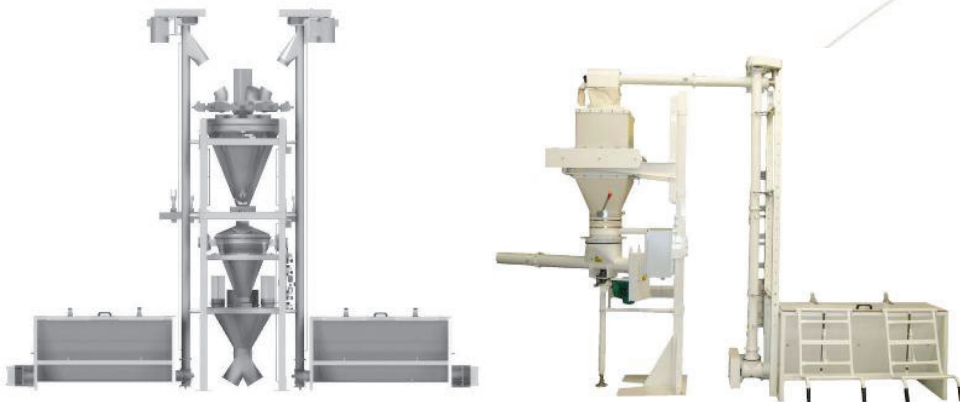
### Advantages:

The sifter pivots to supply two mixers without moving the unit.

The rotor is designed to break any lumps

Removable sifter grid with throughput up to 2 t/h depending on mesh

Manual sifting & dosing : Takomit



## Tamokit In-line elevating sifter

Mainly used by bakers, the tamokit is designed to supply flour or any type of powders, delivered in bags, to the mixers.

### Advantages:

Emptying hopper.

In-line sifter with mechanical or electronic scale and rotating screw (optional) to supply two mixers without moving the machine.

Removable sifter grid with throughput up to 2 t/h depending on opening mesh size.

# INGREDIENTS SAFETY – FOREIGN BODIES

In-line magnetic filter / Tubular in



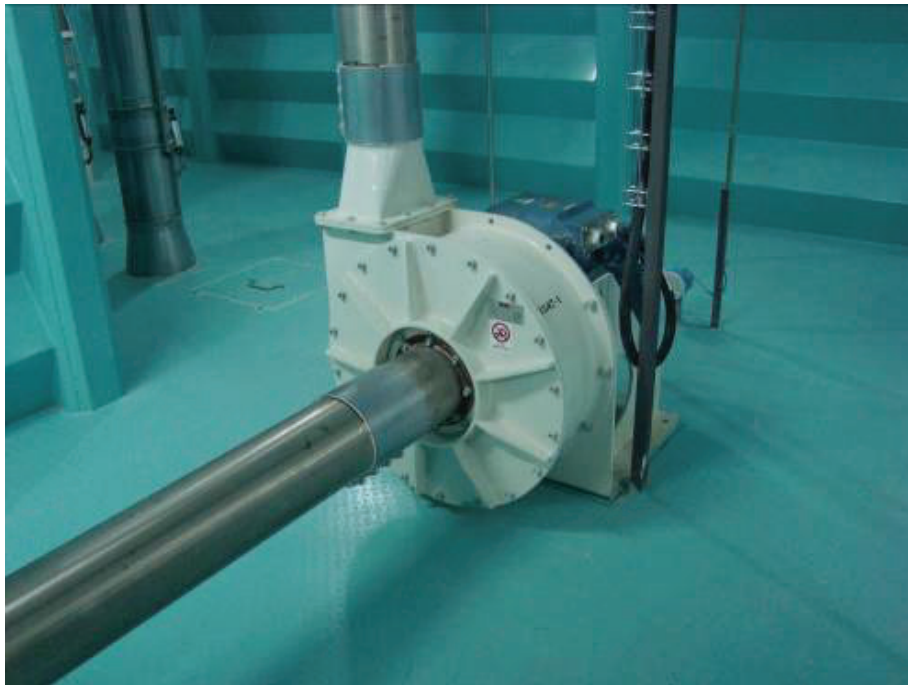
Gravity permanent magnet



## Magnet

Products pass through the magnetic bars, all detectable steel particles are caught.  
Magnetic power 10 000 Gauss

Insect Killer



## In-line insect killer (entoleter)

Mill products may contain infestation elements such as eggs, larva or insects.  
The Infestation Destroyer can process all mill products, by a simple variation of its rotation speed, according to the products characteristics.