

VACUUM TRANSFER

Vacuum conveyor — Bridge Breaker — Lump Breaker — Manual Bag Station — Containers Station



PRODUCT RANGE

SUMMARY

Principle

Vacuum Conveyor



Bridge Breaker



Lump Breaker



Manual Bag Station



Containers Station



Special Equipment



TECHNIlab, founded in **1987**, is located at **30min from Paris** and **20min from Orly airport**. The company is represented in many countries around the world. It has a **test center of more than 200m²** at the disposal of its customers.

TECHNIlab, is specialized in the **design, manufacture, supply and installation of equipments** as:

- Dense phase vacuum conveyors
- IBC docking stations
- Tablets and capsules dedusters/lifts
- Turnkey installations

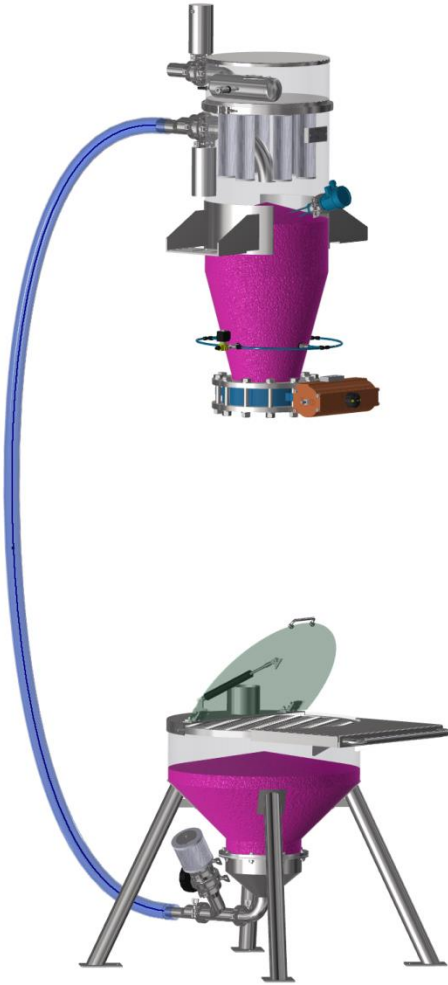
For the conveying of solid materials as:

- powders
- granulates
- tablets
- capsules

For pharmaceutical, chemical and food industries.



Principle



A – Put the cyclone under vacuum (with an electric vacuum group or multi-stage Venturi).

B - Suction of the bulk or raw material from a capture point

C - Filling of the cyclone until you reach the desired volume.

D – Stopping of the vacuum

E - Cleaning of the filter cartridges by over pressure

F – Discharging valve opening

G - Emptying of the cyclone above the desired destination point (feeder, hopper, reactor, filling machine...).

BENEFITS

-The containment of the system avoids the emission of dust and contamination by other materials

-Transport up to 80 m distance, 35 m elevation, a production capacity up to 10 tons/hour

-Handling of goods avoids the attrition phenomena

-Maintenance is reduced by the lack of moving parts

-Low energy consumption

- Ease of routing the PVC or PUR flexible hoses

-The no demixing is guaranteed during transport because in dense phase the lighter particles light are not separate from the densest particles

-Quick return on investment

Vacuum Pneumatic Conveyor

Vacuum pneumatic conveyor - dense phase



- Capacity up to 12 000 liters / hour
- Distance until 60 meters
- Vertical distance until 30 meters
- Confined convey
- Minimal maintenance
- Quick dismounting
- Without dis-mixed
- Without attrition



TECHNIlab development hereby declare that the equipment specified above conforms to European standards



TECHNIlab development propose Vacuum pneumatic conveyors for ATEX dust and / or gas applications.



All materials in contact with the powder meet the requirements of the Food and Drug Administration (FDA) and are in compliance with the EC regulation 10/2011

TPC 85



Bolted or Triclamp Valve System
Flow 3 000 liters/ hour

TPC 100



Bolted or Triclamp Valve System
Flow 5 000 liters/ hour

TPC 200



Bolted or Triclamp Valve System
Flow 12 000 liters/ hour

TPF 10



Tri-clamp Valve System
Flow 1 500 liters/ hour

TPF 20



Tri-clamp Valve System
Flow 3 000 liters/ hour

TPF 30



Flap or Tri-clamp Valve System
Flow 4 000 liters/ hour

TP 80



Flap System
Flow 500 liters/ hour

TP 100



Flap System
Flow 1 000 liters/ hour

Bridge breaker DP



- GMP design with no material hang up
- Design to disrupt powder
- No material attrition
- Suitable for temperature sensitive material
- Quick dismounting
- Suitable for silos, Big bag station
- Option CIP

Product Range

DP 300



Flange diameter 300 mm

Outlet Tri-clamp 38 – 51

DP 400



Flange diameter 400 mm

Outlet Tri-clamp 38 – 76

DP 600



Flange diameter 600 mm

Outlet Tri-clamp 51 – 76

Lump Breaker DE



- GMP design with no material hang up
- Design to disrupt powder
- De-Lump material
- No material attrition
- Suitable for temperature sensitive material
- Quick dismounting
- Suitable for silos, Big bag station

Product Range

DE 300



Flange diameter 300 mm

Outlet Tri-clamp 38 à 51

DE 400



Flange diameter 400 mm

Outlet Tri-clamp 38 à 76

DE 600



Flange diameter 600 mm

Outlet Tri-clamp 51 à 76

Manual Bag Station TC - TW



- Quick release dismounting without tools
- Shelf
- Dust collector
- Regulated air inlet
- Grille panel
- Bead blasted or bright polishing
- 304L or 316L Stainless steel

Product Range

TC 50



Mobile on wheels or
bolted to the ground
Capacity from 10 to 50
liters

TC 100



Mobile on wheels or
bolted to the ground
Capacity from 50 to 200
liters

TW 230



Bolted to the ground
Capacity up to 450 liters

Container Docking Station LHL - SCS



- Static or with integrated device for easy product flow
- No demixing, no powder packed
- Automatic functioning
- Extra low noise level
- Version with total dust containment and double butterfly valve
- Usable for all type of transfer (gravity, vacuum transfer or screw)
- Patented system

Product Range

LHL



Low loading height

SC



No shaking version

SCS



Shaking version

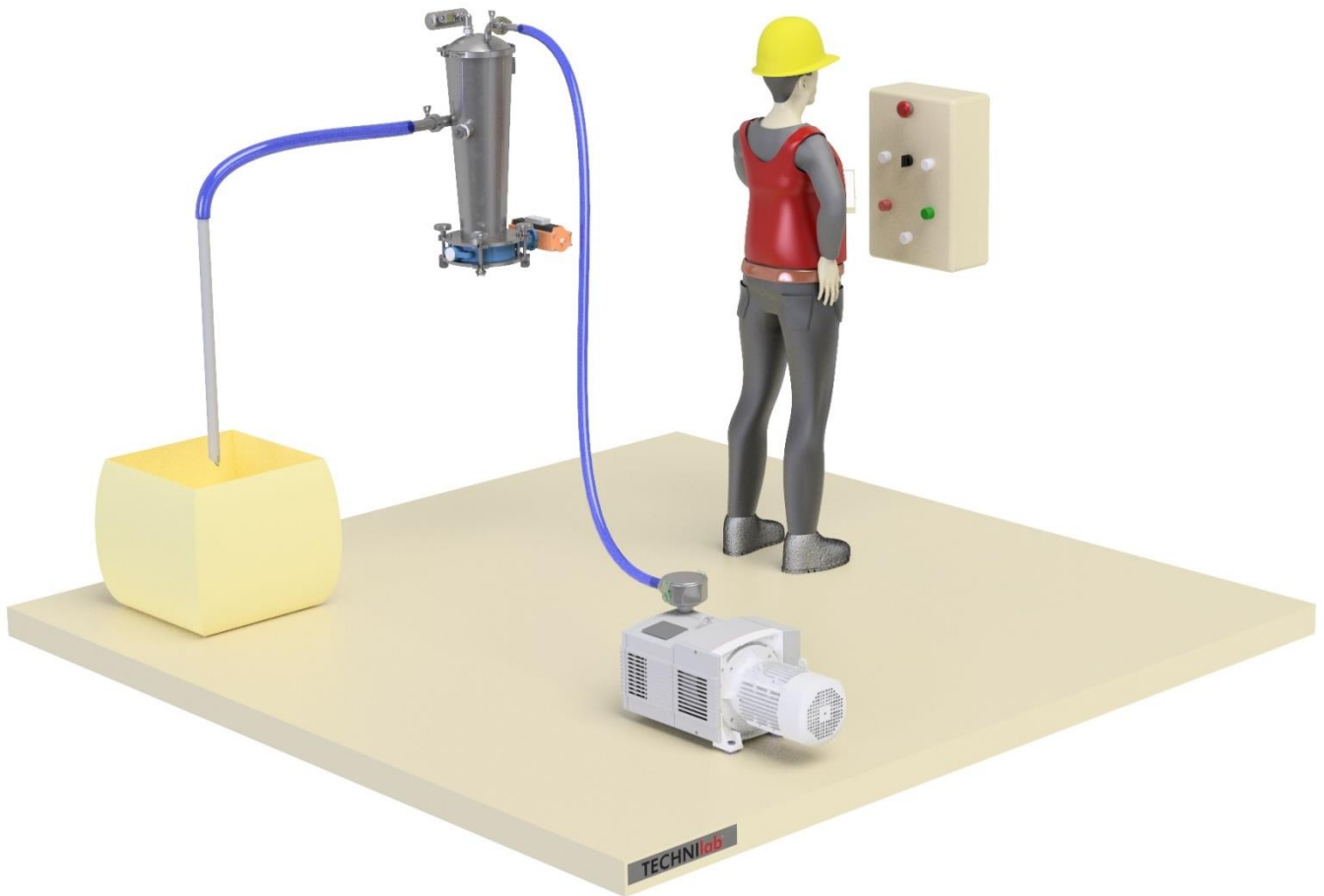
Special Equipment



Convey your ideas and powders

TECHNIlab[®]

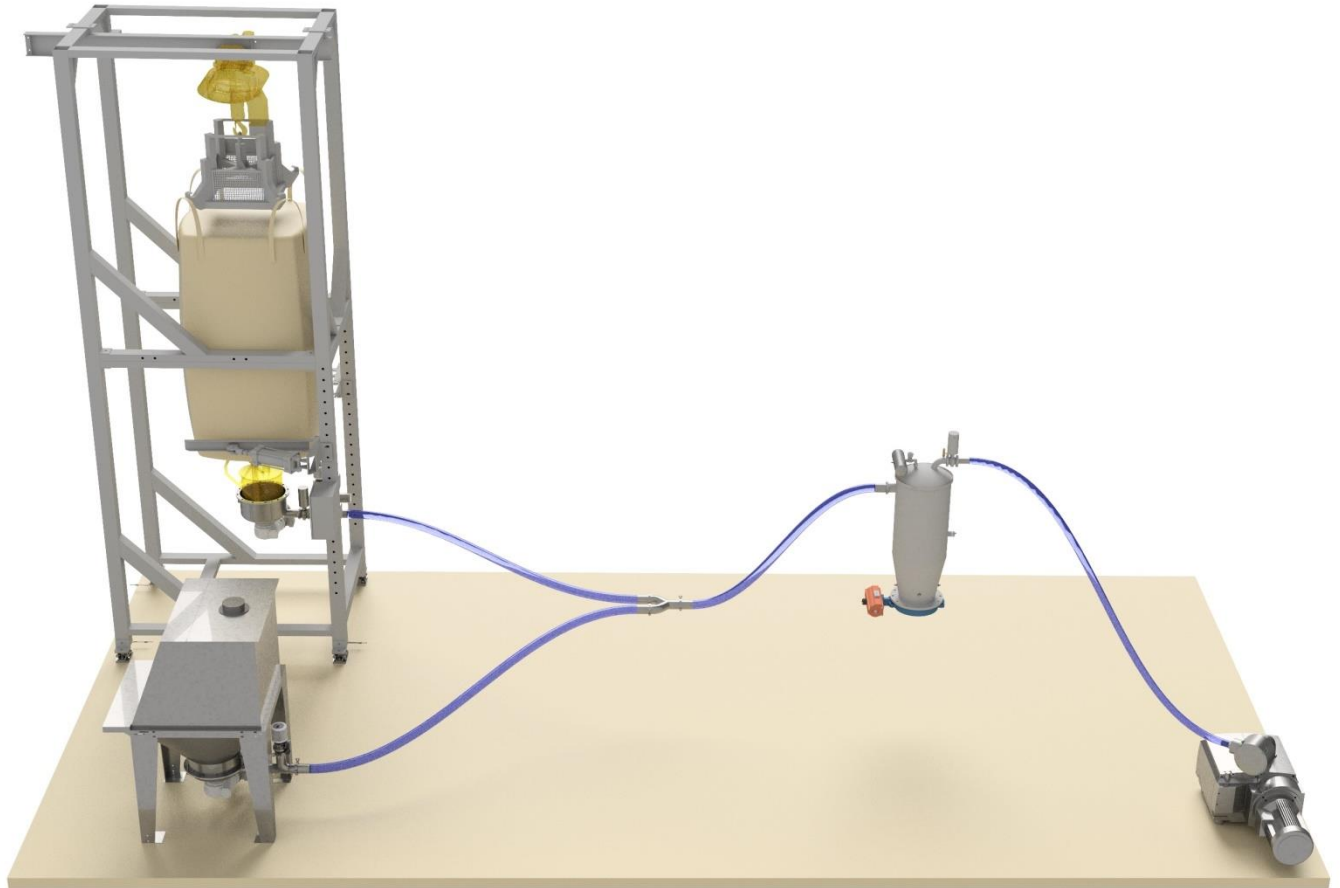
Application from a bag



Application from a **manual bag station**



Application from a **Big bag Discharger**



TECHNIlab[®]



TECHNIlab development

30 Bis, Rue du Bois Chaland – CE 2948

91029 EVRY Cedex France

Phone : +33 (0) 1 60 86 96 48

Fax : + 33 (0) 1 60 86 90 01

Email : contact@technilab.fr

www.technilab.fr