Sophisticated engineering leads to unreached flexibility and performance.

Our customers’s process demand solutions beyond the tablet press. Therefore Pharma Technology offers peripheral devices as integrated solutions, which provides great customer benefits.

As always, this new generation of vertical dedusters has been developed to achieve the highest possible flexibility, in conjunction with superior figures for output and quality of dedusting.
Short for Pharma Technology “Innovation”, PTi range consists in a segmented stainless steel tablets & Capsules Deduster. Those 250 mm modules allow easy dismantling, cleaning, and validation. Optional deburring modules are available on request.

This “dust tight” technology allows a higher dedusting efficiency thanks to an innovative dust extraction in conjunction with an air jet system.

This universal spiral can handle any size of tablets or capsules at a very hi-speed. 5 different conveying heights are available from 500 mm to 1500mm.

This equipment can integrate a metal detector and diverter system. Hi-containment & Washable executions of the PTi are available.
This new AIO generation of vertical dedusters polymer or stainless steel has been developed to achieve the highest possible flexibility, in conjunction with superior figures for output and quality of dedusting.

Metal check and IPC tablet control tester are available.

That new concept allows to increase the performance of your tableting machine, directly monitoring and controlling manufacturing with less operator supervision need.

This will warranty a 100% control of your manufacturing. Tester can be installed without any cable on the unit with a Plug-In concept.

This dust tight tester contains a new scale generation that eliminates most of the manufacturing interference.
The AIO Tablet Testing System

The flexible and modular Tablet Testing System AIO measures the weight, thickness, diameter and hardness of tablets, oblong tablets, capsules and similar products fully automatically and offers the following features and benefits:

- Dust tight industrial design
- New weighcell - less sensitive to the production environment
- Plug and Play tester on the AIO deduster - No cable
- Fully automatic operation or Manual mode
- Reliable and quick measurement
- Can control your production with or without tablet press HMI
- Tablet samples transfer by vacuum - no dust in the tester
- Innovative solutions for tablet handling and orientation
- Easy cleaning / Validation / Calibration

Round, oval, square and rectangular shapes can be tested. For oval shaped tablets, the proven Oblong Centering System can be adapted, this option is also retrofittable.
Fully compatible results with UTS & Checkmaster devices

The AIO provided as through tablet press manufacturer can be integrated in the HMI of the production machine:

- This allows to regulate automatically the tablet press

The AIO provided as stand-alone unit can release data, statistics, T1 & T2 alarms, and/or stop the press through the AIO HMI:

- This allows the operator to adjust the tablet press accordingly
Pharma Technology’s vertical deduster allows dedusting and deburring any type of tablets. Stepless vibration creates a vertical ascension of the products.

The deduster’s height can vary between 500 mm and 1300 mm in direct relation with the outlet height required.

The spiral enabling ascending movement of the tablets has been achieved in 316L stainless steel with continuous TIG welding.

This equipment uses a new principle of dust extraction, immediately separating any powder excess during the dedusting process.

At the concept, an utmost care has been taken concerning the noise level as well as achievement following highest GMP standards.

The clean-up is easy, not requiring any tooling.

Equipments are available in mirror finished.

An optional two ways diverter allows you to switch from one bin to the other without operator’s action.
The "PTC" deduster is equipped with a metal particles detector. As metal particles detectors are very sensitive to vibrations, the vibrating parts of the deduster are isolated from the steady parts of the frame.

This allows reaching an optimal accuracy such as a spherical 316L stainless steel part of 0.4mm in the products. A high speed rejection mechanism instantly rejects non conform products.

The construction of this special frame saves space into the production room and reduces the retention areas.

In addition, the circuit of tablets is therefore totally closed between the inlet into the deduster and the outlet of the metal particles detector.
The diverter D2 & D4 enables to distribute tablets production into different containers on a counting or weighing basis.

The distributor is highly flexible considering as well an interchangeable amount of containers (2-3-4) to be filled as in an adjustment of tablets’ or capsules’ dropping height.

The diverter D2 & D4 allows less interference from the operators inside the production room which reduces bi-cross contamination between operators and products.

This system can be connected to a stand-alone deduster “PT” or a combined unit with deduster and metal check “PTC”.

D2-D4
DIVERTER

PTC+ D4
Our model PTC+ DR 4-20 enables to dedust, to insure absence of metal particles, as well as to distribute into different containers the tablet’s production on a counter basis.

The distributor is highly flexible considering as well an interchangeable amount of containers to be filled as in an adjustment of tablet’s or capsule’s dropping height.

The drum loading center allows less interference from the operators inside the production room which reduces bi-cross contamination between operators and products.

A modification of the programm can also permit to feed automatically and on regular basis an IPC testing equipment or a sampling collector for laboratory trials.
Our model PTC+ EPS enables to distribute into different containers the production on a counter basis.

The distributor is highly flexible considering as well an interchangeable amount of containers to be filled as in an adjustment of tablet's & capsules's dropping height.

The drum loading center has been developed in a «dust free» concept.

The PTC+ EPS unit allows less contact from the operators inside the production room which reduces bi-cross contamination between operators and products.

The U frame of the complete unit incorporates hydraulic cylinders for height adjustment.

This holding system permits to have a free ground to position 1 or 2 pallets.

A modification of the program can also permit to feed automatically and on regular basis an IPC testing equipment or a sampling collector for laboratory trials.
PTC feature

Handle

TC Infeed hopper rotation from right to left (270°) without any limitation

New fixed 100 % total sealing between vibrating base and clean contact parts area.

No vibration on the frame / Less noise emission / More space for fixation

TORK control on the spiral fixation (Validation of machine assembly) insures a good vibration transmission.
The PTG and PTG/V ranges are mainly used for dedusting and polishing capsules. A polyamide/nylon rotative screw without end achieves a polishing in a 316L stainless steel tube.

On the overall uphill conveying length suction stitchings allow powder excess to be removed.

This ascending device with adjustable length from 800 mm to 1800 mm can be equipped with a removal system for empty or opened capsules.

Optional possibilities such as metal detector combination are available.

A latest development called PTGR allows to cool capsules filled with warm liquids.

All these units are completely dismountable without tooling and cleanable with ultrasonic wave bath.
The PTG «V» MD dedusters are equipped with a metal particles detector Lock, Safeline or Ceia. This permits reaching an optimal accuracy such as spherical 316L stainless steel part of 0,4 mm in the products. A high speed rejection mechanism instantly rejects non-conform products.

The construction of this special frame saves space into the production room and reduces the retention areas. In addition, the circuit of tablets is therefore totally closed between the inlet into the deduster and the outlet of the metal particles detector.

The PTG «V» ECE is a combination of a vertical brush deduster and an empty capsules’s eliminator. It will guarantee you of a 100% production without empty capsules. This unit could also be combined with any kind of metal detectors as per attached picture.
The linear vibrator is used to convey tablets and capsules from the central outlet of the manufacturing machine to the corner of it. By doing so, it allows to keep the side way of tablets press or capsule filling machine free and permit side door opening without moving peripheral equipments. Dismantling and cleaning are easy and quick.
The Mini PT is a system that permits to dedust tablets or capsules just before their entry into a tester for weight-hardness or thickness.

This means the tester will remain clean during the batch.

Machine’s stops due to the tester is therefore very limited.

It could also be used for R & D facilities up to 20,000 tablets or capsules per hour.

Depending of the size of the product, this equipment uses 2 types of brushes which guarantees a complete discharge of the sampling on each test making.

Our unit can directly be placed onto the sampling door or after a Venturi conveyor. In the first case, it permits to place the testing machine on the side and not under the machine outlet.

With the Venturi, it enables to eliminate the cartridge filter which is on the receiving cyclone.

Dismantling is easy and done without any tooling.
International Sales & Service network

Fully equipped FAT room

3D Engineering Service

Efficient After-sales Service