



# TECHNIlab<sup>®</sup>

## VERTICAL CAPSULES DEDUSTER

### Pushing Limits

Cleaned Capsules



Leading edge technology is only part of the Technilab development success story. Equally important is the emphasis we place on customer service and satisfaction.

R&D, Engineering and Production activities are performed entirely in-house. At the core of our offer is a passion for innovative design, and a tradition of engineering excellence.

This is reflected in a string of patents we already hold for innovations in our products, and there are more in the pipeline...

The Vertical Capsules Deduster frame represents a new generation of modular units that can be customized according to customer needs.

The frame is pre-equipped to accommodate a variety of additional options, including: metal detector, diverters, Empty Capsule Eliminator, hopper, HMI screen...

VCD 100 + CEIA



VCD 100 + ECE



VCD 100 + hopper



## MULTI SECTION BRUSH

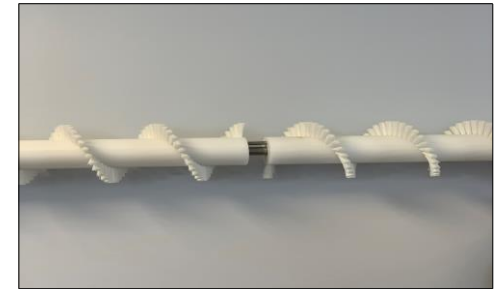
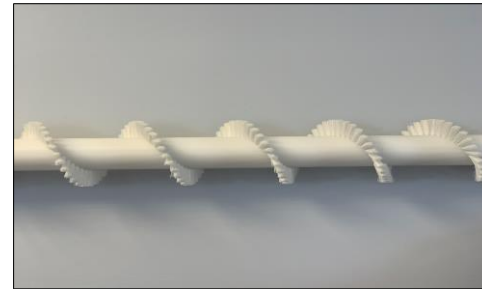
The VCD range is based on a new generation of multi section brushes sized to suit the customer's needs. Each section includes a POM and Nylon FDA brush, specially designed to lift, dust and polish all sizes and shapes of capsules, from 000 to 5.

The GMP modular design allows quick dismantling.

Our VCD allows you to raise your capsules up to 2300 mm.



Multi section brush



This new generation of VCD ensures complete emptying of the unit in a few seconds with all types of capsules and weights thanks to its delayed shutdown system.

Great care has been taken to simplify the design to reduce the number of parts to be assembled and disassembled and to eliminate the need for tooling thanks to triclamp fittings.

The vertical capsule dust collector can be combined with CEIA/LOCK/SAFELINE metal detectors and many other options like Empty Capsules Eliminator.

# PLUG & PLAY

EASY TO USE

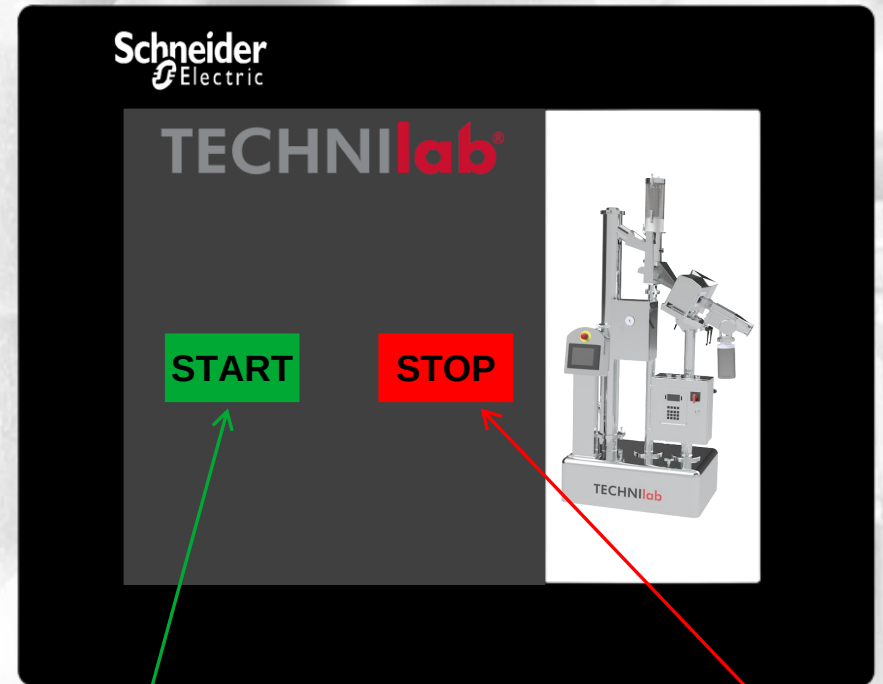
Power Supply  
110V 60Hz  
230V 60Hz  
230V 50hz



110V Plug

## SMART TO CONNECT

PRESS AND IT'S DONE !



Press « START »

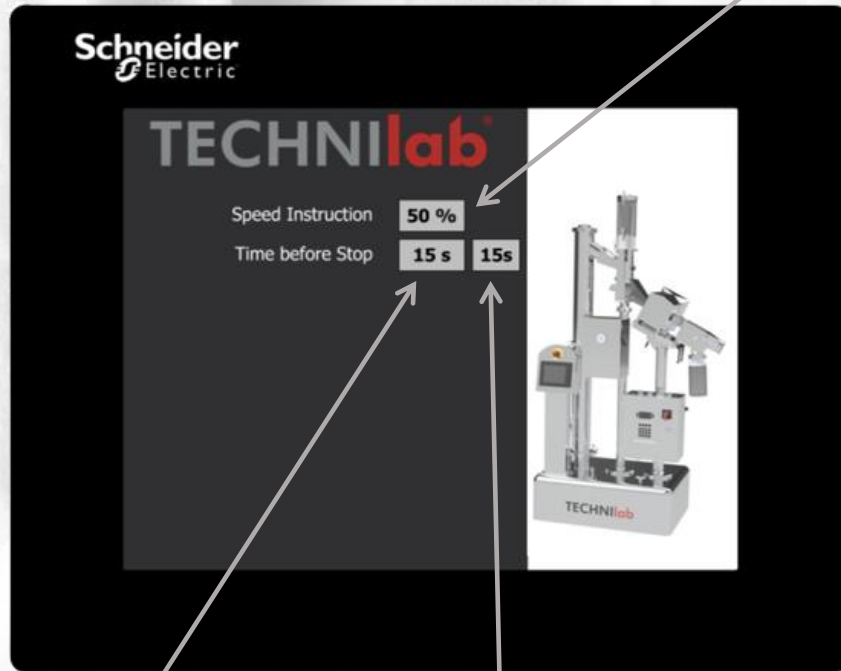
Press «STOP»

# SMART TO MANAGE

EASY TO USE

Capsule flow: up to 400.000/h

Speed adjustment

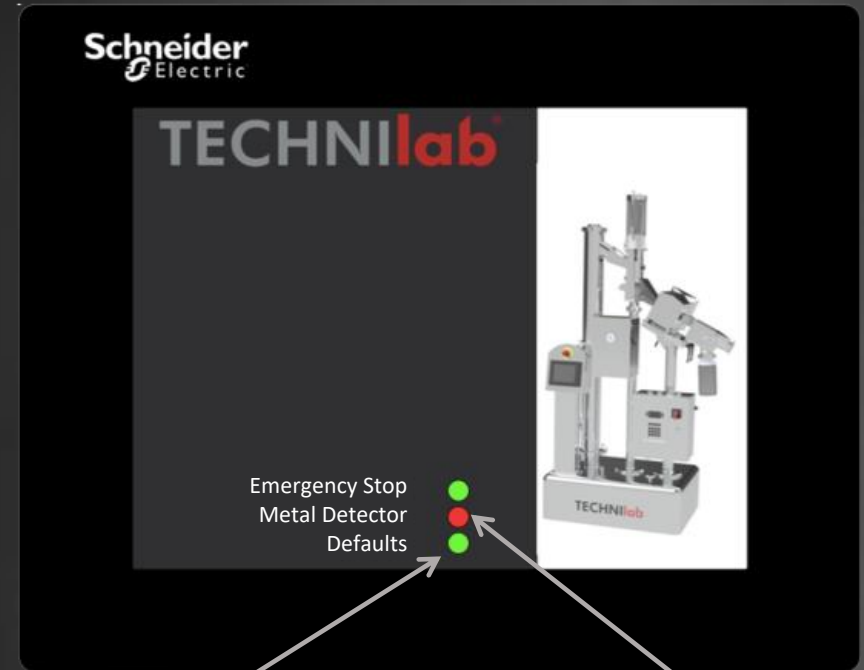


Complete emptying time adjustment

Remaining time

# PROCESS MONITORING

Quick Overview



Faults relayed to the capsule filling machine

Metal detector status

# COMMUNICATION PROTOCOL WITH THE CAPSULE FILLING MACHINE



# Options for Vertical Capsules Deduster

# DUST EXTRACTION SYSTEM

2 in 1 CONNECTION TO CENTRAL VACUUM

The dust collector is composed of a micro-perforated tube, allowing the collection of fine dusts from the capsules, and a stainless steel casing fitted with a triclamp connection to be connected to the customer's central vacuum.





## METAL DETECTOR CEIA

### REAL TIME EMBEDDED SELF CALIBRATION



The THS/PH21N Metal Detector Series is a high-sensitivity, high-precision measuring instrument. The response from the device is used to directly command ejection of the contaminated product and to verify that it has in fact been eliminated.

FDA Code Title 21 Part 11 prescribes rigorous criteria for access to programming and computer data protection, which have been fully adopted in the CEIA THS/PH21 Series firmware. User access is only possible via a User Name and Password login under the control of the System Administrator, who programs and manages individual user profiles and user functions. As a result, the requirements for security, integrity and traceability are satisfied.

All events performed by the THS/PH21 Metal Detector are recorded in a data log to comply with FDA Part 11 protocol and assist in root cause analysis. The events include detection, ejection, program operations, passwords and periodic functional test phases using standard test samples.

The Self-Calibration control allows maximum repeatability and performance consistency over time and with environmental changes.

# ECE EMPTY CAPSULE ELIMINATOR

## AUTOMATIC SORTING OF EMPTY CAPSULES

The ECE is a capsule sorter which can be used to remove empty Capsules, capsule cap or capsule body from the filled capsules coming from the capsule filling machine.

It is a small, lightweight and easy to dismantle unit which is very easy to Use. Suitable for all types of capsules from size 000 to 5 it only requires compressed air.

Production speed: up to 400.000 capsules/hour.

Applications: at outfeed of any capsule filling machine.



## About us:

TECHNIlab development has acquired an international reputation for its know-how and the quality of its achievements. Its facilities are operating successfully in Europe, USA, North America, Africa, Asia and Russia.

Technilab development is a manufacturer of dense phase vacuum pneumatic transfer equipment and a systems integrator for all bulk material handling and powder processing industries.

Since 1987, Technilab development has been THE powder process specialist in the pharmaceutical, chemical and food industry areas. We offer tailor-made, turnkey solutions for handling all powders and bulk solids.

Our staff can provide a wide range of bulk handling equipment for filling, unloading, transporting, dosing or mixing. We are looking forward to meeting the needs of our customers' production requirements!

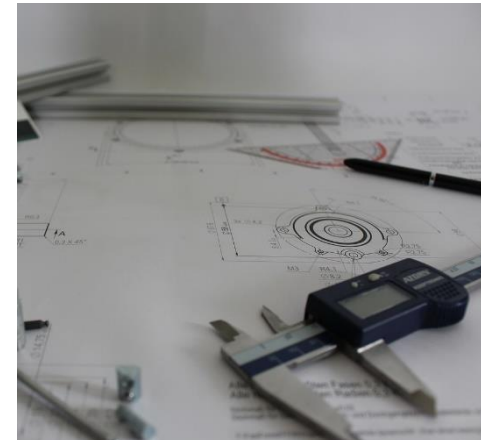
Engineering Service

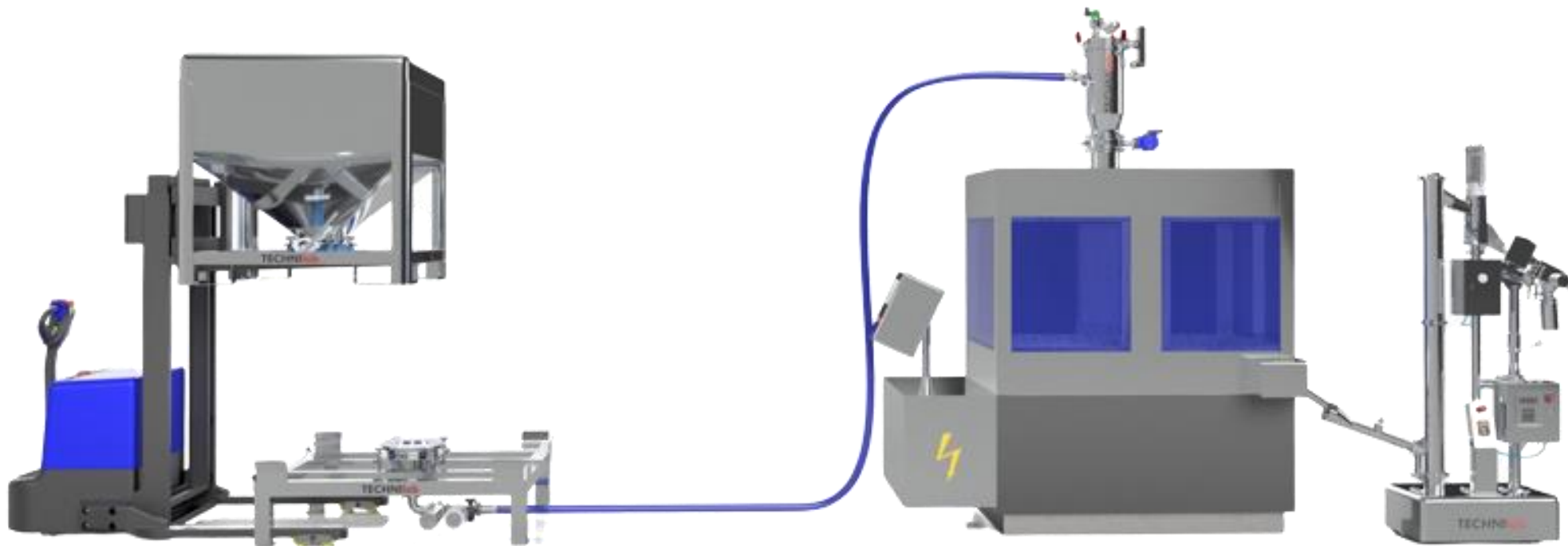


Efficient after-sales Service



International & Service network





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