

# CroPharm

Solutions for Pharmaceutical and Nutraceutical



## Tablet and Capsule Processing

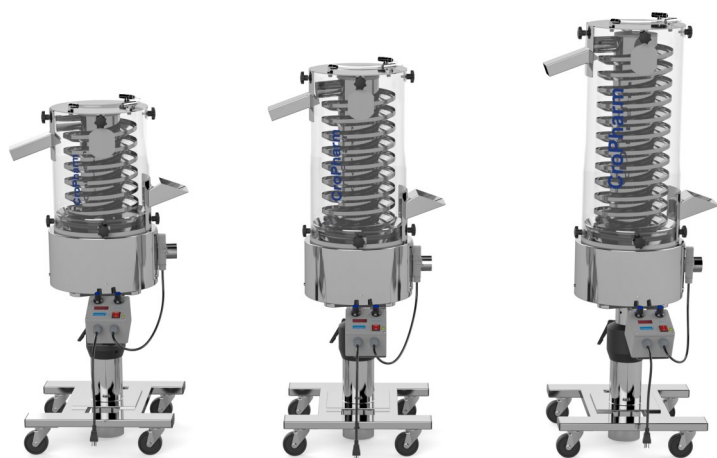
**Tablet Dedusters and Capsule Polishers**

[www.cropharm.com](http://www.cropharm.com)



## Tablet Deduster VDS-150 Series

- **Advanced dedusting and conveying technology** that maximizes sample throughput (**600,000 tablets/hr.**) by utilizing a **unique vibration technology** along with **compressed air- vacuum coupled dust extraction**.
- Tablets are conveyed **upwards** while vibration shakes the dust off and removes burrs. Compressed air blows the dust downward to the **vacuum extraction point**.
- Easy assembly and disassembly thanks to the **modular** design. Stainless steel construction. Contact material is stainless steel type 316. Clear acrylic viewing window.
- **Adjustable inlet height** to allow for easy integration with tablet presses. (**30-36 in.**) Can be placed on any side of the tablet press.
- **Customizable vibration height** with the triangular helix coil. Standard sizes along with outlet heights:
  - VDS-150 Small 34-40 in.
  - VDS-150 Medium 40-46 in.
  - VDS-150 Tall 46-50 in.
- Small footprint and **low noise** (<70 dB)
- **Digital Vibration Control** to easily customize dedusting speed.
- Outlet can be placed at **90°, 180°, and 270°** with respect to the inlet.



Three standard elevation heights.

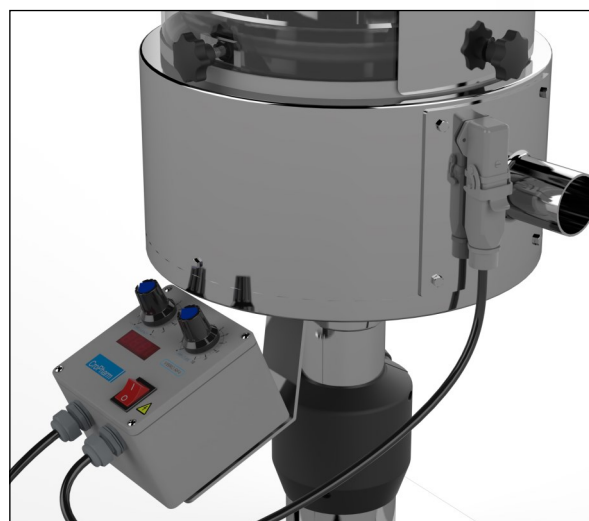


VDS-150S Safeline Combination Unit

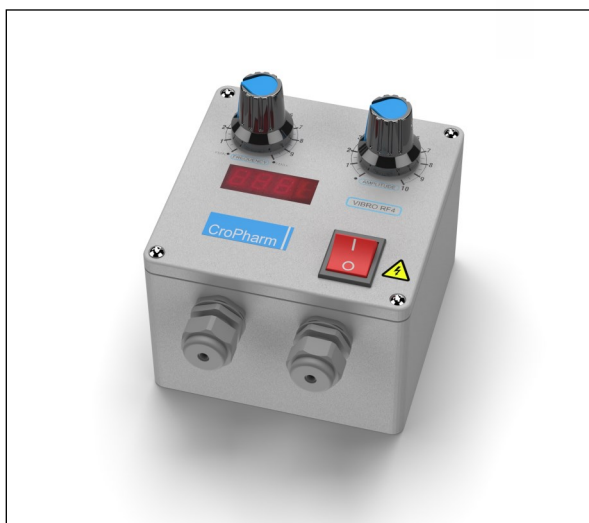
## Tablet Deduster VDS-150 Series



**Compressed Air Flow**

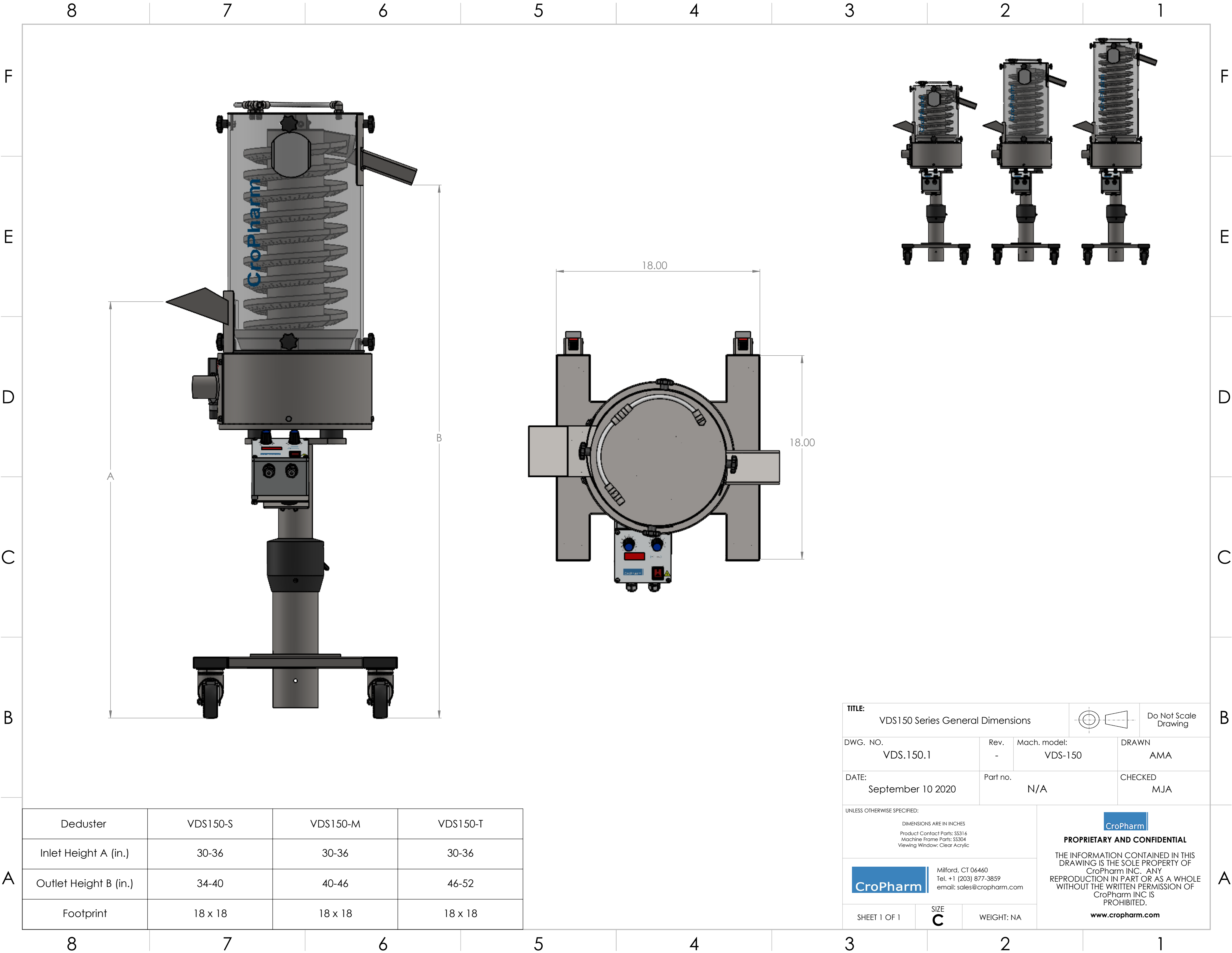


**Vacuum Extraction Point**



**Detachable NEMA 4x Digital Vibration Controller**







## Vertical Polisher and Deduster Benefits

Vertical capsule polishers and dedusters have a major benefit in their design due to the elevation gained during the process. This allows for easy integration with other peripheral equipment without slowing down production. As seen in Figure 1A-B, the vertical polisher coupled with a metal detector results in a much greater discharge height as compared to the horizontal polisher. The vertical style setup allows you to utilize a larger storage bin for final product discharge. The horizontal setup would require the operator to continuously interfere and exchange the storage bin due to its limited capacity. When a horizontal polisher is coupled with a metal detector and empty capsule sorter the vertical distance lost becomes a major disadvantage in the production process. A vertical polisher requires less horizontal space in the production suite which minimizes the total footprint in the process.

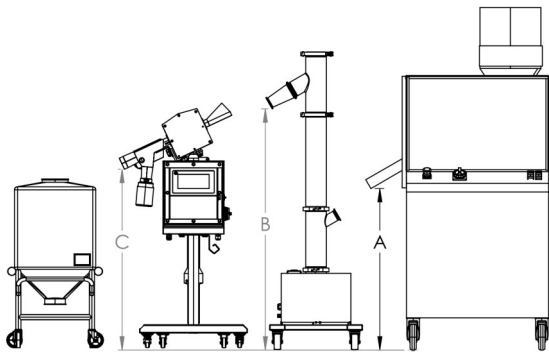


Figure 1A: Vertical Production Process layout

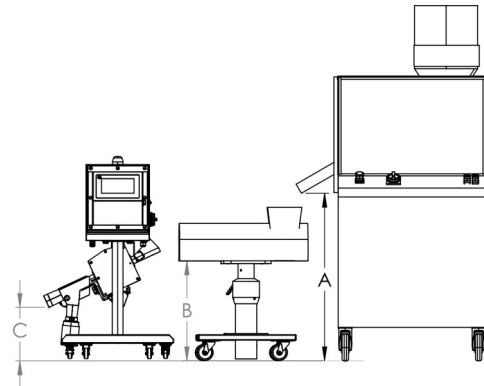
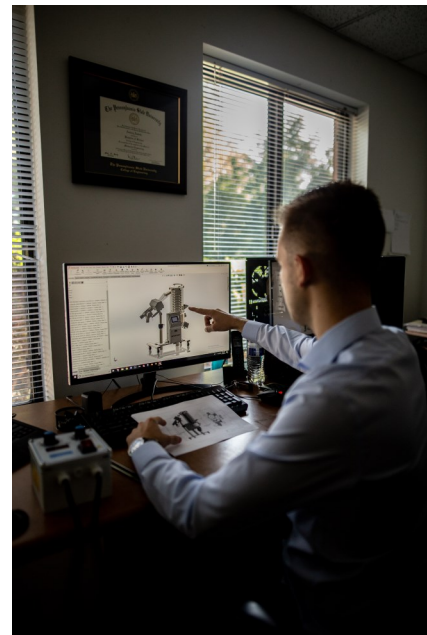


Figure 1B: Horizontal Production Process layout

## Engineering Service and Customization



Fully customized solutions.



Dedicated Engineers working to solve  
your production needs.



## About Us

CroPharm is the successor of Chemical and Pharmaceutical Industry Co. Ramsey, NJ founded in 1956. We specialize in tablet dedusting and capsule polishing for pharmaceutical processing and production. CroPharm also offers solutions for tube filling, crimping, capsule filling, and tooling inspection. We offer engineering service, customization, and after sales support.



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