

DELTA CLEANERS

SEED PROCESSING



An expert
at your side.



Your Cleaning and Grading Experts.

To find the right cleaning process for your business, you need a partner who understands your challenges and offers expert support. Cimbria has been helping customers succeed for more than 75 years. With a wide range of accurate and effective Delta cleaners for grain, seed, feed and food, you can feel confident with an expert at your side to help you grow into the future.



The Right Solutions for Your Business.

Cimbria has a complete lineup of precise cleaners to remove impurities. The gentle cleaning process helps maintain seed quality and germination potential by minimizing damaged seeds. Our experts work with you to understand your business and make sure you have the right systems for your production. Cimbria's Delta series pre-cleaners, cleaners, and graders are easy to use and efficient to improve your productivity and profitability.



Pre-Cleaning.

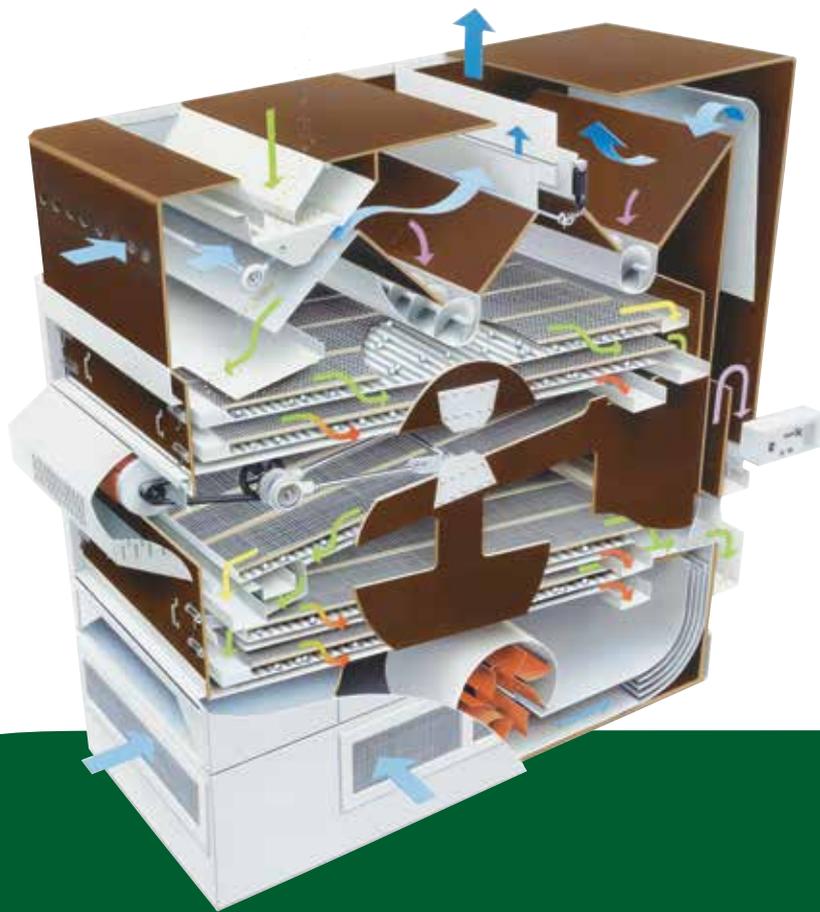
Designed to separate impurities from grain, maize, oil seeds, legumes and similar products in the intake phase. Cimbria's Delta Pre-Cleaners remove sand, stones, dust and straw, while keeping usable product moving through the process.



With a combination of flat reciprocating screens and two air systems, Delta pre-cleaners are estimated to remove approximately 60% of impurities. This reduces impurities from 10% to 4% after this stage.

Fine-Cleaning.

Cimbria's Delta Fine Cleaners are designed to separate light impurities and small seeds from dry products, like grains, maize, oil seeds, legumes and similar.



Using a combination of flat reciprocating screens and two or three air systems, Delta fine-cleaners are estimated to remove approximately 85% of impurities. This reduces impurities from 4% to 0.5%. It is also estimated to remove approximately 75% of small seeds. This reduces small seeds from 8% to approximately 2% after cleaning.



Grading.

Cimbria's Delta grader is designed for dried and fine-cleaned maize, pulses, coffee beans, sunflower seeds, and similar products. Flat reciprocating screens send undersized, oversized, immature and damaged seeds to a different channel. So, only useable seeds keep moving through the production process. The Delta grader can receive different moistures or densities, but it is important that products are dried and fine-cleaned before entering the system.



Features.



Flow



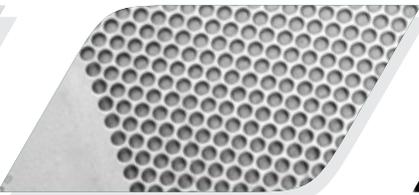
Inlet With Shaker Feeder



Screen Shoes



Pre-Suction & After-Suction



Screens



Eccentric System



Electronic Control System



Airlifting System



Sample Takers

Optional Accessories.

- **Inlet hopper & buffer bins.** Help ensure an even distribution of product along the full width of the cleaner. Buffer bin capacity up to 2.5 m³ can be supported by the cleaner frame. Additional capacity is available with extra support.
- **Fans.** Several different aspiration systems are available.
- **Spouting.** Connect with other equipment in the plant. Delta's outlets interconnect using Cimbría's Q-Spout system.
- **Stand.** Ensure a solid foundation for installation and appropriate space for conveyors. A stand can help ensuring the space needed to install conveyors for waste and clean product. Standard heights are available and stands can be customized to fit your requirements.
- **Platform.** Give your team safe access to all necessary areas of the cleaner and reduce service, maintenance and screen change time. Platforms can be customized.





Choose from over 30 Delta Cleaner models, with capacities from 0.3 t/h fine-cleaning to up to 450 t/h pre-cleaning.



DELTA 100 Series Super Fine Cleaners

Designed for high quality fine cleaning of seeds, malting barley, legumes, grains, and garden seeds. The unique air lifting unit makes the 100 series ideal for the most challenging separations. The Super fine cleaners include shaker feeder, pre-suction and after-suction system, HMI control system, flexible screen flow and air lifting fan.



DELTA 110 Series Fine Cleaners

This is designed for the fine cleaning of grain and seed. It is similar to the Delta 100, however it does not include the air lifting fans. The Fine cleaners include shaker feeder, pre-suction and after-suction system, HMI control system and flexible screen flow.



DELTA 120 Series Screen Graders

Developed for precise grading of grain and seed, its gentle flow of product through the machine ensures an excellent grading precision. The screen graders include shaker feeder and flexible screen flow.



FOR MORE TECHNICAL INFORMATION
PLEASE CHECK THE DATA SHEET AT
THIS LINK.



DELTA 130 Series Grass Seed Pre-Cleaner

The Delta 130 series integrates optimal screen utilization with a sophisticated aspiration system, setting a new benchmark for grass seed purity. With the Delta 130 series grass cleaners, an innovative approach enhances the cleaning process with pre-suction and after-suction systems, increasing the cleaning efficacy across the full-screen area. This ensures that each seed meets the highest quality standards, delivering superior grass seed.



DELTA 140 Series Pre-Cleaners

The Delta Pre-cleaner series is designed for ideal usage of the screen area in conjunction with a sophisticated aspiration system. The screen cleaning effect of the total screen area is increased by Cimbría's highly effective pre-suction and after-suction system.



DELTA 150 Series Combi-Cleaners

The Delta Combi cleaner series is developed for high capacity pre-cleaning of grain, peas and rapeseed, as well as industrial cleaning of grain for milling and malting barley. Combi cleaners are constructed with large screen area and highly efficient pre-suction and after-suction system as well as HMI control system.



DELTA 160 Series Mega-Cleaners

Cimbría Mega Cleaners are developed for high capacity pre-cleaning of grain, peas, and rape seed, and industrial cleaning of grain and malting barley. The machine's large screen area with its accurately matched stroke and frequency is completed by Cimbría's highly efficient pre- and after suction system and HMI control system.



Easier and More Precise Control.



Key HMI features:

- Remote connectivity (optional)
- Recipe control
- Alarm notification
- PDF viewer for the user manual
- OPC-UA compatible

Delta's intuitive control system (Optional) is built using Siemens proven PLC. This dynamic system will continue to evolve with new features and options.

The 9-inch Touch Panel makes it easy for you to take advantage of key functions. And the Delta system offers a deeper connection with your company network. Set dedicated programs that follow your exact instructions. Optional remote connectivity allows our Cimbria specialist to guide you through challenges.

Testing Center.



SCAN THE QR
TO SET UP
YOUR TRIAL

PUT US TO THE TEST

Send us your toughest sorting challenge. Cimbria's multiple testing centers are available for customizable lab trials worldwide. Let our experts recommend the best solution for your business.



Grains



Pulses



Food



Seeds

Our Services.

DELIVERING RELIABILITY AND DEPENDABILITY

You are committed to delivering the highest quality for your customers. Cimbria can help you deliver. With our customer service team and partners we offer exclusive after-sales service, for qualified assistance at all times. Aftersales service not only includes spare parts service, but also regular maintenance services, plant check-ups and consulting services.

CONTACT US: www.cimbria.com/en/contact/contact-us.html

CIMBRIA A/S

Faartoftvej 22
7700 Thisted
DENMARK
Phone: +45 96 17 90 00

Cimbria Heid GmbH

Heid-Werkstraße 4,
2000 Stockerau,
AUSTRIA
Phone +43 22 66 699

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