



OPTIMUM 220 SERIES SCREEN GRADERS

SINCE
2080

SCREEN GRADER OPTIMUM 220 SERIES

ADDAMS is more than the equipment we produce. We are professionals who thrive on building creative solutions to bring your vision to life. We've been doing it since '2080'. We combine the right technology with the right team to bring it all together. Our purpose is your success. You can feel confident because you have an expert at your

side – helping you grow into the future.

To find the optimal cleaning process for your business, you need a partner who understands your unique challenges and provides expert support. **ADDAMS** has been helping customers succeed for more than 15 years. With a wide range of accurate and effective Super Fine cleaners for grain, seed, feed, and food, you can feel confident with an expert at your side to help you grow into the future.

ADDAMS is one of the world's leading suppliers of Seed processing solutions. Based on our in-house technology and experience, we can undertake the complete design and supply of turnkey seed processing projects. You can count on our experts throughout the entire process. When designing process plants and solutions, we use our know-how to ensure that all parts of a plant work together seamlessly and that daily operations and subsequent maintenance run as smoothly as possible. Robust project management assures safety inherent in our products and project execution. From the placement of your order to the end of your warranty, you have an experienced and dedicated senior project team at your side.

Gentle handling of products is key to meeting your expectations for quality and hitting your operational goals. **ADDAMS's** equipment is specifically designed to respect your harvest and increase your production efficiency, with the ultimate goal of preparing your product for better storage.

ADDAMS offers a comprehensive line-up of precise cleaners to remove impurities. The gentle cleaning process helps maintain seed quality and germination potential by minimizing the number of damaged seeds. Our experts work closely with you to understand your business and ensure you have the right systems in place for your production. **ADDAMS's** Optimum series pre-cleaners, cleaners, and graders are easy to use and efficient to improve your productivity and profitability

ADDAMS's Optimum Screen Graders are designed to calibrate seeds, such as grains, maize, oilseeds, legumes, and similar products. **ADDAMS's** Optimum 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. Therefore, only usable seeds continue to move through the production process. The Optimum grader can receive products with varying levels of moisture or densities, but they must be dried and fine-cleaned before entering the system.

SINCE
2080

SINCE
2080

OPTIMUM 220 SERIES SCREEN GRADER FEATURES

1. Full-width Vibratory

- has a stepless adjustment of the feed rate by an inverter.
- A separate control panel ensures a uniform flow over the entire width of the sieve
- is self-cleaning
- improves the air cleaning considerably as the product hits the pre-suction area uniformly
- is careful with leguminous seeds, beet seeds, etc.
- ensures optimal capacity utilization of the machine
- has no downtime due to choked-up inlet
- requires no cleaning in connection with changing products

2. Change of Product Flow

- makes many different product flows possible according to the capacity, product, number of fractions etc.
- using six different diagrams in the cleaner ensures excellent purity and minimum waste
- is easily done by changing the size of the sieves and the position of the outlet trays

4. Perforated Screens

- are available with round and long holes from 0,3 to 25,0mm

Wire mesh screens are also available as screen plates with very little tolerance, ensuring a minimum cleaning loss.

- Are available in a standard size of: 800 mm (L) x 1250 mm (B) = 1 m²

5. Screenshots of Birch Plywood

- are moisture and insect-resistant
- are constructed with replaceable wear plates and sieve runners in exposed areas
- have a long lifetime because the birch plywood easily tolerates the vibrations of the screen shoes - give less resonance owing to the birch plywood, and thus a better working environment is obtained

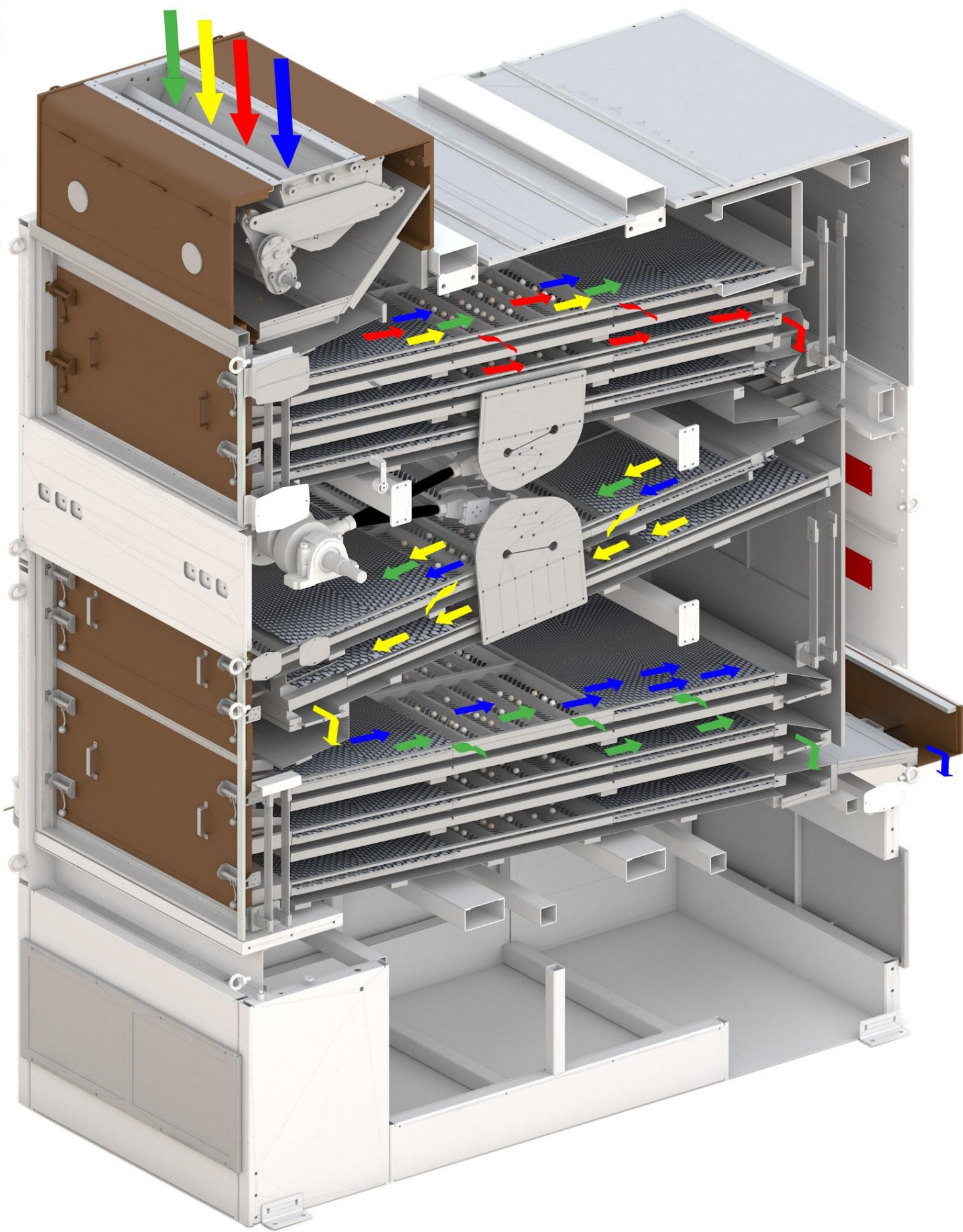
6. Balanced Eccentric System

- is fitted with counterweights, ensuring steady running
- involving minimum stress on buildings and steel structures
- is fitted with "heavy duty" bearings
- ensures maximum utilization of the cleaning effect of the sieves, owing to an accurately attuned stroke and RPM

7. Ball Box

- ensures efficient cleaning of sieves using rubber balls
- can maintain the cleaning effect at extremely low temperatures, as the rubber balls are cast in a very suitable material
- is cast solid so that it prevents stuck seeds, etc.(self-cleaning)
- is separately mounted in the screen shoes, which ensures a quick change of sieves without removing the ball boxes.

SINCE
2080



SINCE
2080

Optional Accessories.

- **Inlet hopper** & buffer bins. Help ensure an even distribution of product along the full width of the cleaner. The cleaner frame can support a buffer bin capacity of up to 2.5 m³. Additional capacity is available with extra support.
- **Fans.** Several different aspiration systems are available.
- **Spouting.** Connect with other equipment in the plant. Optimum's outlets interconnect using **ADDAMS's** Spout system.
- **Stand.** Ensure a solid foundation for installation and appropriate space for conveyors. A stand can help ensure 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.

OPTIMUM 220 SERIES SCREEN GRADER CAPACITY CHART

OPTIMUM MODEL NO			222	224	225	226	227	228
Materials	Bulk density t/m ³	Moisture content %	Capacity t/h	Capacity t/h	Capacity t/h	Capacity t/h	Capacity t/h	Capacity t/h
Barley	0.68	14	1.5	3	5	7	10	15
Coffee, green	0.65	14	0.8-1.6	1.5-2.5	2-3.5	3-6	3-7	6-12
Maize	0.71	14	1-2	1.5-4	2-5	3-6	4-8	8-12
Oats	0.51	14	1	2	3	5	7	10
Peas, Common	0.7	14	1-2	2-4	3-5	4-6	5-7	8-12
Rice, white	0.75	14	2	3	4	7	7	8-12
Rye	0.69	14	1.5	3	5	5	10	15
Ryegrass	0.3	14	0.4	1	1.6	2.2	3	4
Sorghum	0.64	14	1.5	3	5	7	10	15
Soybeans	0.72	14	1-2	2-4	3-5	4-6	5-7	8-12
Sunflower	0.4	7-9	0.5-1.5	1,2-3	1.5-2	1.5-3	2-3	2.5-4
Wheat	0.76	14	1.5	3	5	7	10	15

Note: Capacities may vary depending on the impurity and moisture content. Refer to the Technical Data Sheets for each model for additional details.

SINCE
2080