Fine cleaner

FAU-1000 / -1250 / -1500

FAU1.03.0402.GB

The FAU fine cleaner is first and foremost designed to be the main machine in seed and grain cleaning plants

In standard construction, the FAU machines are delivered with the following features.

The machine is fitted with feeding apparatus and feed roll with variable speed drive.

The aspiration chamber is fitted with waste augers.

The screen system consists of two sieveboats with multi-flow variable screen system and variable speed drive.

Each sieveboat contains 2 screen layers each consisting of 3 screen parts.

All screens are rubber ball cleaned.

The machine has an integral fan, speed drive, and motors.

The machine is of steel construction with sieveboats of laminated wood.

Special features:

- Left hand construction
- Heavy duty fan
- Servo motors for valves and electrical regulation, incl. ball variator for feed roll
- Electrically variable speed for feed roll
- Rubber covered feed roll
- Vibratory feeder (instead of feed roll)
- False air valve
- Adjustable final aspiration channel with calibrated control
- Brush cleaning (instead of ball cleaning)

	FAU-1000	FAU-1250	FAU-1500
Motor, fan	5.50 kW	7.50 kW	7.50 kW
Motor, sieveboats	2.20 kW	2.20 kW	2.20 kW
Screen size L=800 mm x W	1000 mm	1250 mm	1500 mm
Screen area	9.60 m^2	12.00 m^2	14.40 m^2
Estimated capacity on wheat	8 t/h	10 t/h	12 t/h

Please contact us for detailed information or meet us at www.westrup.com

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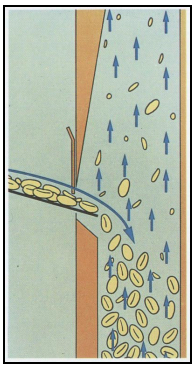
DISTINGUISHING FEATURES:

- Heavy duty steel construction incorporating sieveboats made of waterproof laminated wood.
- Independently driven built-on aspiration fan (optional) with backward curving rotor blades.
- Fan discharge is adjustable at site to suit local requirements.
- Feeding apparatus ensuring an even spread of product over the full working width of the machine.
- Highly efficient air system ensuring a uniform aspiration and a good separation of the prime product.
- Easily accessible calibrated controls for quick and reliable adjustments.
- Easily accessible screens with superior cleaning system where each screen is mounted over a ball frame containing a number of small rubber balls manufactured from a specially selected rubber compound.
- The rubber balls are continuously bouncing against the screen to clear out any blinding material which ensures that the screen is at all times maintained at peak cleaning performance securing troublefree operation.
- Counterbalanced sieveboats suspended with fibreglass springs giving smooth and safe operation due to the centrally located eccentric shaft.
- Variable speed drive for screens to enable cleaning of a wide variety of products, from the lightest grass seed to the heavier seeds such as beans and peas.
- Wide selection of screens and multiflow variable screen system to meet individual requirements.
- Long air separation channel across the full width of the cleaner with perfectly balanced and very precise air control giving a very accurate extraction of dust etc. as the product exits the machine.
- Window across the full width of the channel for visual inspection of the cleaning performance.
- Complete and easy access for cleanout through augers.
- Outlet chutes generously sized to transfer the necessary quantities of extracted material to waste at full cleaner capacity.
- Outlets on right hand side or left hand side to suit individual plant layouts.
- Easy clean-down when changing from one product to another.
- Low maintenance costs and one-year parts warranty.



Final aspiration channel

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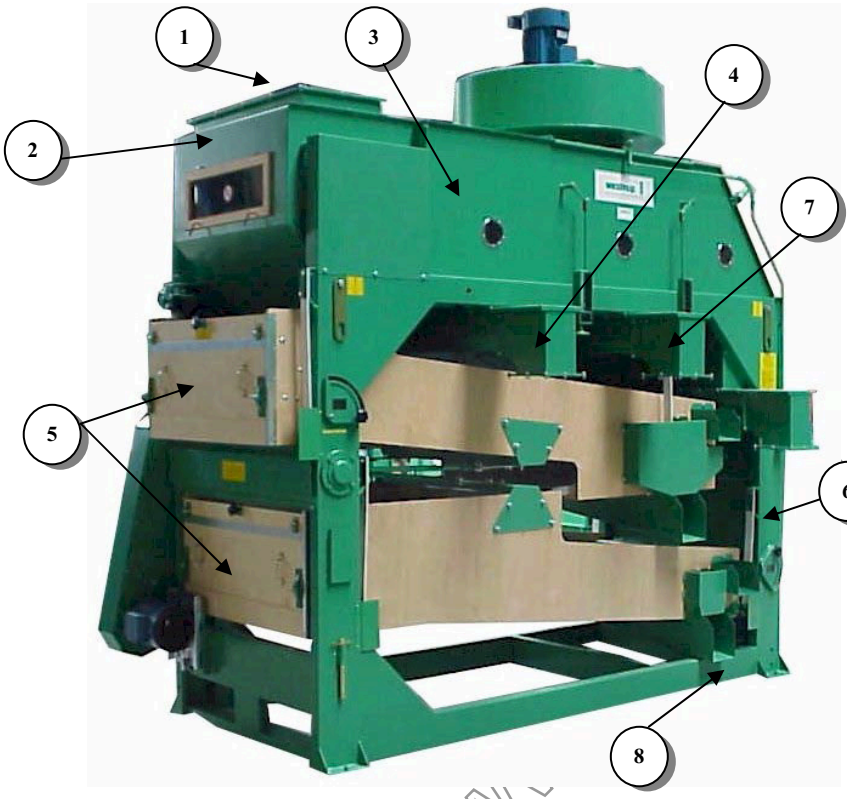

CLEANING PROCEDURE:

1. The product enters through the inlet (1) and is led to the feed roll (2).
2. The feed roll is fitted with a brush retarder for spreading the material across the entire width of the machine.
3. After the feed roll, the product passes through the pre-aspiration channel removing the majority of the light impurities.
4. These impurities settle in the aspiration chamber (3) and are then conveyed by the auger (4) to the side of the machine.
5. In the screen section (5), the material is cleaned according to the chosen screen flow.
6. To end the cleaning process, the prime product is led into the final aspiration channel where a rising air stream removes the remaining light impurities.
7. These impurities are led to the aspiration chamber (3) and then conveyed by the auger (7) to the side of the machine.
8. The prime product discharges through the prime product outlet (8) which is placed under the machine for the entire width of the final aspiration channel.

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