



Lançamento

GSI Grain Cleaner EC

Efficiency, robustness
and technology for
superior grain cleaning

Developed to meet the requirements of grain processing facilities, the GSI Enclosed Grain Cleaner delivers high efficiency in impurity removal, reduced particle emissions into the surrounding environment and reduced labour requirements. With an innovative screening and air-gravity separation system, the machine distributes grain evenly and ensures an agile and efficient process, without the need for constant manual intervention.

ADVANTAGES

Efficient cleaning: Removes impurities and residues that compromise grain quality.

Reduced labour: Automatic flow regulator reduces the need for manual adjustments.

Dust reduction: Enclosed body and aspiration system minimise particle emissions.

Robustness and reliability: Highly durable equipment designed for intensive operations.

Advanced technology: Control panel equipped with IoT technology for intelligent monitoring and control.

Simplified screen replacement: A quick and easy process that does not require removal of the ball tray/frame — only the screen frames need to be removed.



SAFETY AND EFFICIENCY

The aspiration and enclosure system eliminates dust emissions into the surrounding area and improves the quality of the working environment.

PRODUCTIVITY WITHOUT INTERRUPTIONS

The automatic flow regulator keeps the machine operating continuously, preventing unplanned stoppages.

TECHNICAL FEATURES

Feed System

Uniform grain distribution through a motor-driven rotary airlock equipped with a variable-frequency drive (VFD), ensuring maximum utilisation of the screening area.

Aspiration System

Adjustable valves and a fan located in the cyclone provide maximum efficiency in impurity removal.

Grain Flow Regulator

Two regulators per deck eliminate the need for constant manual adjustments.

Intelligent Control Panel

Equipped with IoT technology and a customisable HMI interface, optimising remote control and monitoring.

Maintenance Access

Access platform with options for a vertical ladder (cage ladder) or a 45° staircase.



OPERATING CAPACITIES

Model	SOYBEAN / CORN (t/h) Post-Cleaning	SOYBEAN / CORN (t/h) Pre-Cleaning	RICE (t/h) Post-Cleaning	RICE (t/h) Pre-Cleaning
MLE 45	47	60	15	19
MLE 95	96	120	30	38
MLE 145	144	180	45	56
MLE 190	192	240	60	75



Soybean / Corn Density: 750 kg/m³

Post-cleaning: Inlet moisture content of 14%; impurity content reduced from 3% to 1%.

Pre-cleaning: Inlet moisture content of 18%; impurity content reduced from 4% to 2%.

Rice Density: 600 kg/m³

Post-cleaning: Inlet moisture content of 14%; impurity content reduced from 3% to 1.5%.

Pre-cleaning: Inlet moisture content of 18%; impurity content reduced from 4% to 2%.

Note: The cleaning machine for rice applications has wear-resistant HARDOX-coated flow surfaces to increase resistance to wear.