

# Cleaner Quail I

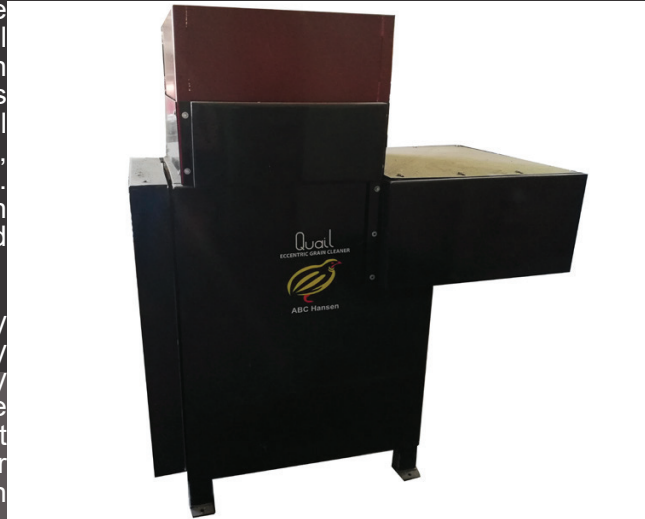
## CLE05 - 1.5 - Quail I Eccentric Cleaner

The Quail I eccentric cleaner is a grading device used for the removal of most foreign material from the raw product being screened, based on size. The eccentric cleaner removes all particles that are larger or smaller than the raw material being cleaner, including particles such as metal, dust, stones, husk, and sand from the grain. The screening may be followed by an aspiration process whereby all light particles are removed through an air channel.

The Quail I Eccentric Cleaner has an easy to remove screen cartridge, making for easy replacement of damaged screens, and for easy switching between different grain types. The cleaning action is achieved when the product is agitated over the top screen, with the larger perforations, by means of an eccentric action on the cleaner body using eccentric drives

driven by fan belts. Oversized product flows over the screen and correct sized product passes through the screen onto the bottom screen with the smaller perforations. The under sized product then passed through the bottom screen, whilst the good product runs over the bottom screen. The over and undersized particles (trash) are discharged from the cleaner on the right hand side, and the good product is discharged at the front of the cleaner for easy bag-off or connection to the rest of the process line.

The Quail I is unique in that its intake doubles as product disperser prior to the product landing on the top screen for grading as well as a twine catcher, removing twine trash often clogging up grading and aspiration systems



## Specifications

Power	0.75 KW
Capacity	0.5 - 1.5 T/H
Length	1,340 mm
Width	720 mm
Total Screen area	6.125 m <sup>2</sup>
Height	1,595 mm
Net weight	185 kg

Capacities of equipment is based on maize at 721 kg/m<sup>3</sup> density, maximum 14% moisture and maximum 4% impurities. Capacities can vary depending on the size of the screens, impurity content and type and type of product. All capacities on equipment is based on free flowing product with angles of repose not more than 30°.