

# Cleaner Francolin

## CLV - Francolin



The Francolin vibration cleaner is a grader and is used for the removal of most foreign material from the raw product being screened, based on size. The vibration 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 Francolin Vibration 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 vibration action on the cleaner body using vibration motors on the screen body. 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 either 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 unique feature about vibration graders is that the machine can be set in many ways to accommodate most product. 1.)The angle of the vibration motors can be adjusted. 2.)The intensity of the vibration can be increased or decreased, 3.) The screen angle can be adjusted. 4.) The vibration motors' speed can be adjusted.

Aspiration and twine elimination prior to grading is always recommended to avoid screen clogging by large waste particles.

## Specifications

Specifications	CLV5	CLV8
Power	1.8 KW	2 KW
Capacity	5 TPH*	8 TPH*
Length	2,510 mm	2,510 mm
Width	1,540 mm	2,120 mm
Height	1,880 mm	2,170 mm
Total Screen area	4 m <sup>2</sup>	6 m <sup>2</sup>
Net weight	1000 KG	1200 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°.