

## Destoner – vacuum type



- For high performance destoning of grains, pulses and other materials.
- Three models offered – from 3 – 10 tonne/hour
- Very low maintenance - due to vibratory motor drive.
- No dust emissions from vacuum air system.

# Destoner - Vacuum type

High performance machine, which removes stones and other heavy trash from the sample by separation according to the difference in specific weight.

## **Application:**

Alvan Blanch high performance destoners are suitable for handling all cereals, pulses, legumes, some spices and granular industrial materials such as plastics, chemicals and minerals.

## **Advantages:**

- smooth and silent operation.
- drive by electric vibratory motor for negligible maintenance.
- easy to adjust for optimum performance.
- high capacity from compact body size and low power consumption.
- dust free operation,- totally enclosed top connected to fan.

## **Operation:**

Materials enters the machine through the inlet air lock (which prevents ingress of air with the product). It then moves from the preliminary sieve to the trapezoidal working table.

The working table is covered with a woven wire mesh bed, through which air flows from below. Heavy impurities such as stones are not lifted by the air cushion and stay on the mesh bed. The vibratory motion of the table causes this heavy material to be transported to the beginning of the regulating plate at the far end of the machine.

Under this plate, the air flows in an opposite direction to the movement of grain on the working table. Due to this direction of air motion stones are separated from the product and moved to the stones outlet.

The machine is fully adjustable to achieve the optimum separation in every case; the inclination of the working table, the stroke of the vibratory motor and the volume of the air used can all be regulated.

## **Construction:**

The destoner consists of:

- trapezoidal working table with totally enclosed cover.
- woven wire mesh bed material (sized to suit product and changeable).
- robust supporting structure with anti vibratory mounts.
- air lock device on grain intake.
- good grain discharge outlet(s) with sleeve(s).
- stone outlet with sleeve.
- drive consisting of one or two vibratory motor(s) mounted to robust frame below table.
- pressure gauge (to assist air setting).