

Products & Solutions

for seed centres



Plant the Planet



The BCC Gravity Separator (Mini-Series)



seeds travel by the means of vibration



air baffles to vary airflow for different seed species



hopper



wide variety of seed can be processed

The BCC Gravity Separator (Mini-Series)

After sizing of the seed lot, empty and partially developed seed is separated from fully developed seed. Final cleaning is also done in this process, removing light impurities and dust from the seed lot.

The table top BCC Gravity Separator (Mini Series) is normally used in gene banks, small-scale seed processing plants, R&D facilities or nurseries processing their own seed.

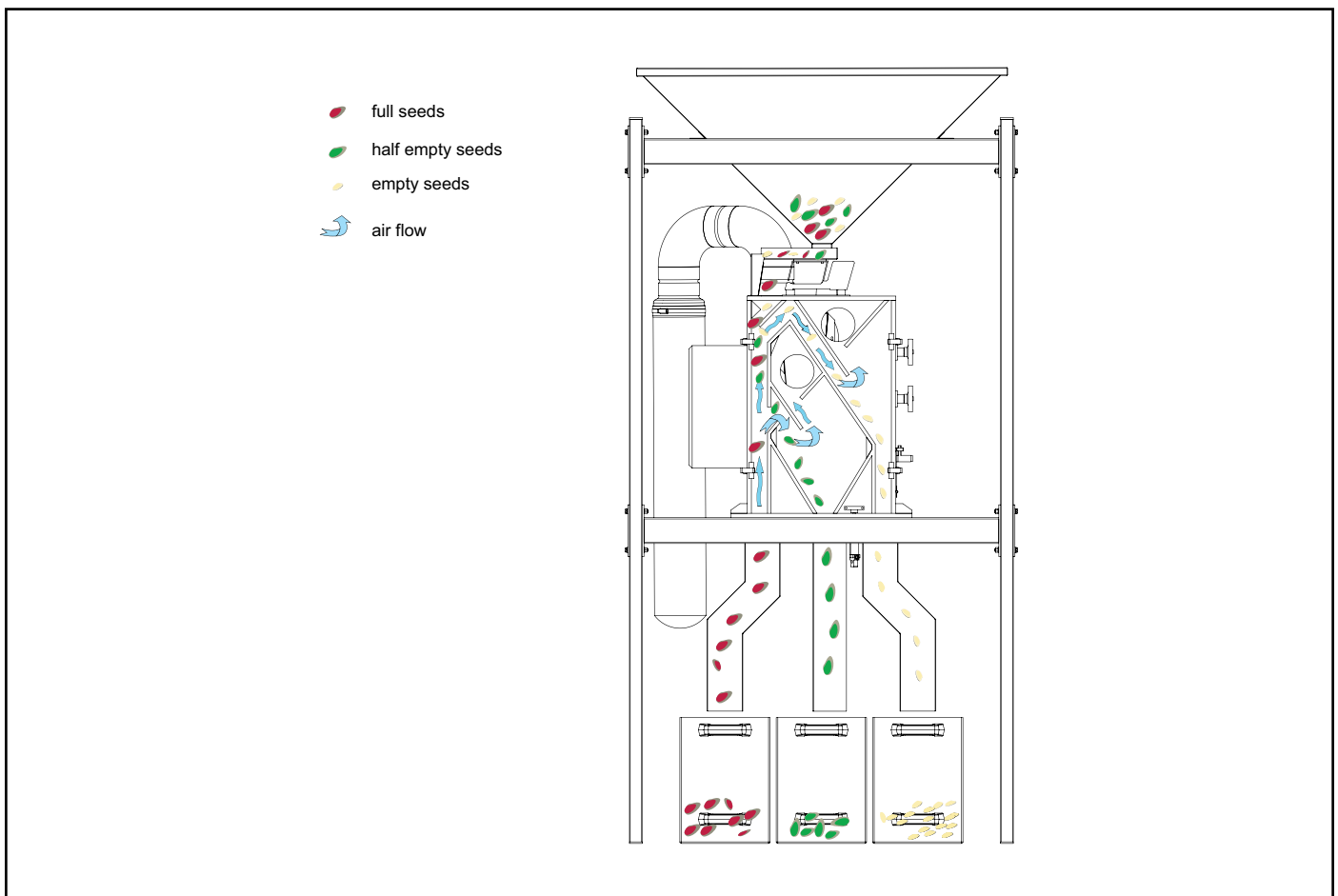
THE PROCESS

In order to achieve precise separation the seed lot needs to be sized into 2-4 size fractions prior to the gravity separation. Each size is then processed separately through the BCC Gravity Separator.

Seed is manually fed into the hopper, which is fitted with an adjustable vibrating feeder. As the seed is fed into the separation channel it is exposed to the air stream, which causes lighter particles and empty seed to be sucked into the separation chambers. Empty seeds are collected in the chamber on the far right. Partially filled seeds are collected in the middle chamber and full seeds are collected in the chamber far left. The middle chamber can also be closed off to simplify separating into two fractions.

The shutters that regulate the airflow are adjustable to accommodate species with various specific gravity. The three seed fractions are collected in containers placed under the separation channel and chambers.





OPERATIONAL BENEFITS & KEY FEATURES

- Separation channels and chambers allow for separation of seed into different fractions i.e. empty seed, partially developed seed and fully developed seed.
- A wide variety of seed can be processed.
- Adjustable vibration to vary the rate of feeding.
- Double fan system for higher suction capacity
- A safety glass cover allows for monitoring of the separation process.
- Adjustable air baffles to vary airflow for different seed species.
- A side shutter allows for cleaning of the inside chamber.



ACCESSORIES AND EXTRA FEATURES

Double fan system for higher suction capacity.

Automatic shutters on separation chambers to enable unattended processing of larger quantities of seed.

TECHNICAL DATA

Dimensions (L x W x H):	750mm x 450mm x 1600mm
Weight:	72kg
Power supply:	1 x 230V, 50Hz
Power requirement:	0.3kW
Power requirement double fan:	0.5kW
Seed hopper capacity:	10 litres
Maximum production capacity:	approx. 3-15 kg/hour

