

## SEMI-AUTOMATIC SACK WEIGHER



- AB** For highly accurate gross filling /weighing of sacks
- AB** Range from 10 to 50 kg - extendable up to 100 kgs or down to 5 kgs on request.
- AB** Suitable for grain, meal, flour and most other products.
- AB** Reliable and easy to operate mechanical system
- AB** Capacity up to 9 t/hr (2 to 3 sacks per minute)

**T33**

MODEL T33

**APPLICATION:** Suitable for almost all packaging applications where a moderate throughput is required.

**CONSTRUCTION:** Totally mechanical system with these features; body with steep valley angles, precision steel knife edges, pendulum balance indicator, beam dashpot damping, precision catchgate, adjustable material flow regulator.

The interchangeable quick release sack holders are available in three sizes, and suit all standard sacks (paper, hessian, polypropylene).

**OPERATION:** The operator places a sack into the sack holder and opens the feed handle, material flows into the sack, and feed cuts off automatically slightly before the correct weight is reached. The operator then jogs the remainder into the sack by small deflections of the feed handle, until the pendulum weight indicator shows correct weight. The filled sack is then removed and the cycle repeated with a fresh sack. As the fresh sack is being filled, the operator can pass the previous filled sack through a sticher.

At the expense of a small degree of accuracy the machine can be set to operate fully automatically so that the required weight is reached without the need for operator intervention.

Throughput rates depend upon operator but average 2-3 sacks/min (6-9t/hr on 50 kg sacks).

Filling accuracy depends on operator - but  $\pm 0.25\%$  (125 grammes on 50kg) is easily achievable - operator only has to check if indicator pin is in correct position.

In the case of fine, non free flowing materials (flour etc) it is generally necessary to fit a screw feeder between the feed hopper outlet and the weigher. For coarse but non free flowing products (cake etc), the belt feeder option is required. These feeders are operated by a limit switch on the weigher.

### OPTIONS:

**Belt or screw feeders** - for non free flowing products.

**Pneumatic foot operated sack holders** - for faster operation.

**Mobile stand** - so weigher can be moved between hoppers

**Exhaust** - ventilation and dust collection systems.

**Trip counter** - to record of number of weighments made.

**Stainless steel contact parts** - required by some industries.

**Feed hopper** - weigher must be installed beneath a hopper of minimum 500 kg capacity, to which it is flange mounted.

**The T33 Sack Weigher is just one of a complete range of packaging solutions offered by Alvan Blanch**