

## Laboratory and field “single ear” / small sample seed thresher



### Key Features – Fills a niche presently not serviced so easily by other machines

- High throughput with threshing and winnowing a large range of seed types and sizes including small grain cereals, vegetables and pulses.
- Easily adjusted floating four stepped “A” section pulley system for adjusting threshing speed.
- Small and compact with carry handles for easy transport for field and laboratory use.
- Opening front cover and side door (with safety switches).
- Plane threshing chamber trap door for improved and fast clean out.
- High-volume adjustable fan settings for ease of cleaning including pre-set return stop.
- Ridged outlet for secure attachment of porous bag or exhaust tube to take waste.
- Compatible with portable generator (240 V, 3.0 KW or more) and/or mains supply.
- Trapdoor setting-lock for winnowing.
- Individual balancing of all rotating components – very quiet to use.
- Low maintenance and easy to service.
- Durable baked enamel powder coated paint.

#### Extras:

- Additional in-line cooling fan for electric motor.
- Range of loading shoot entry options.
- Bench & pedestal mount options.
- Pack strap mounts plus one-bolt option for removing motor module to reduce carry weight for field use.

Units already sold and delivered to Norway, UK, Australia, Brazil, Nepal and Sweden besides New Zealand.

### Technical Description

1. **Description:** Flexiseeder Single Ear and Small Sample “Box” Laboratory and Field Thresher including air jets and clean-up hose.
2. **Product Code:** (SST-box)
3. **Physical Dimensions:** Width 630 mm including removable cleaning fan (150mm). With fan removed: 480mm. Height 500 mm. Depth 500 mm.
4. **Weight:** 38 Kg including removable drive module weighing 13 Kg. Three minutes to remove combined motor and main drive pulley module.
5. **Courier Dimensions:** 500 x 600 x 650 mm x 47 Kg.
6. **Drive Motor:** 230 V ac, 0.19 KW, single phase, 1300 RPM. Direct coupled in line to drive pulley through rubber buffered spider coupling.
7. **Threshing Drum:** Diameter 140 mm. Depth 60 mm. Type: corrugated. Three steel beaters including simply replaced rubber belting pads on leading edges. Operating speed 425 to 1250 RPM divided into four equal steps. “A” section drive belt. Ten seconds required for speed change. Full power at all speeds. Quick-opening clear frontal cover with automatic safety cut-out switch.
8. **Cleaning Fan Motor:** 240 V ac, 0.4 Amp, 2600 RPM. Fan: “box type” 90 x 60mm delivering 38 Litres per second. Continuous air flow adjustment via intake shroud.
9. **Safety Switches:** In addition to automatic threshing drum cover and internal door safety switches, separate manual master, drum and fan switches.
10. **Optional Extras:** Work table. Foot trip. Cooling fan for drive motor and pulley (130mm diameter, 8 blades). Mobile generator, 240V 3.0 KW.
11. **Warranty:** One year limited liability on faulty parts and workmanship. Designed and built to last 20 years. Regional stocks will be held according to demand.
12. **Caveats:** Flexiseeder Ltd retains the right to alter technical specifications and / or revise pricing without notice. Prices are FOB ex factory Christchurch, NZ. Packing, insurance and freight are extra. Copying without permission prohibited. Joint ventures welcome.



“Simply the best single ear thresher I have used in 35 years as a Plant Breeder. It is quiet, fast and easy to use indoors or in the field, and most importantly for us provides very clean and undamaged grain” (Plant Research (NZ) Ltd, Plant Breeder Adrian Russell).