

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



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

- Rubs rather than threshes seed – slow revving, very gentle but effective action.
- High throughput for threshing and winnowing a large range of seed types and sizes including small grain cereals including rice, vegetables, pulses and hemp.
- 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). Emergency stop button.
- 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 connection to vacuum 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.
- One-bolt option for removing motor module to reduce carry weight for field use. Two-person lift.

Extras:

- Foot operated air ram module for controlling threshing drum outlet flap.
- Adjustable outlet venturi for balancing vacuum when connected to centralized extraction systems.
- Range of loading shoot entry options, extra beaters, sealing rubber and Perspex front covers.

CE certified, sold and used globally including Norway, Denmark, UK, Australia, Brazil, Nepal, Sweden & New Zealand.

Technical Description

1. **Description:** Flexiseeder Single Ear and Small Sample Laboratory and Field Thresher (SST) including air jets and clean-up hose.
2. **Product Code:** (SST)
3. **Physical Dimensions Weight:** Width 630 mm including removable cleaning fan (150mm). With fan removed: 480mm. Height 500 mm. Depth 500 mm.
4. **Weight:** 47 kg including quick extraction drive module weighing 13 kg, reducing weight to a two-person lift.
5. **Courier Dimensions:** 560 x 540 x 660 x 68 kg including spare parts and a re-useable steel crate frame, cardboard wrapped with provision for fork-lift.
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 Liters per second. Continuous air flow adjustment via intake shroud.
9. **Safety Switches:** Manual emergency stop button in addition to automatic threshing drum cover and internal door safety switches, separate manual master, drum and fan switches.
10. **Warranty:** One-year limited liability on faulty parts and workmanship. Designed and built to last 20 years. Regional stocks held according to demand.
11. **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).