

# Armtrac Sifter



The **Armtrac Sifter** is designed to provide a new level of quality assurance in mine clearing confidence.

It is intended for towing behind the **Armtrac 400**, **100-350** and the **Armtrac 75T-230**, lifting the *tilled* soil from a depth of 750mm.

12 rows of stars turn in a spiral configuration rolling and sifting the soil up towards the top of the star bed where the mines, **UXO** and any debris can be collected or dropped onto the ground for inspection.

There are no dead spots as the total area of the star bed is utilised to achieve maximum and uniform sieving of the soil. Hydraulically driven, PTO speed adjustment is provided to control star speed and a choice of spacing to facilitate the most effective soil and stone separation.

Once reaching the top of the star bed the Over Band Magnets remove and separate ferrous metals, ready for collection in the holding bucket, leaving the land clear of **UXO** and metal fragments.

A Magnetic Head Roller is fitted underneath the star rollers to pick up ferrous metal that may drop through providing a double collection and assurance.

The **Armtrac Sifter** is provided with steel braced wheels and tyres and on ground tilled by either the **Armtrac 400** or the **Armtrac 75T-230**, can process up to 5000 square metres per hour.

## Features and Options

- **Draw bar** - Robust construction. A depth indicator is marked on the ram  
*Option- Hydraulic draw bar giving a breakaway facility, should a solid obstruction be encountered.*
- **Depth Control** - A post-drive steel diabolo, electronically sensed to maintain a correct and even depth.  
*Option- manual depth control.*
- **Discs**- Large serrated independently sprung discs with large rolling radius, this reduces skipping in the soil and maintain downward pressure.
- **Share**- Single share to cover full width of the machine, designed to reduce the risk of bulldozing. Shaped blades to stop stone trap and maintain a flow onto the stars unrestricted.

- **Steel Roller**- Driven to transfer soil and stones evenly from shares onto the star unit.
- **Drive**- A dual drive gearbox is fitted for reliability and equal power delivery to each side of the machine
- **Star bed**- 12 rows of stars laid out in a spiral configuration. The stars move the soil away from the middle of the machine towards the sides of the star bed, where the reverse configuration moves it back away from the end discs. There are no dead spots as the total area of the star bed is utilized to achieve maximum and uniform sieving of the soil and maximum output.
- **Mechanically driven**, PTO speed adjusted to control star speed. Choice of star spacing to facilitate the most effective soil and stone separation. Star shafts are mounted individually with plastic end discs and active stars.
- **Vari-Flow**- This hill side kit has remote variable speed. This maintains an even flow of stone, clod and UXO over the star bed, particularly on hill side work.  
*Option- An electronic actuator to lift the vari-flow out of work when not required.*
- **Clod mats**- Adjustable rubber fingers mounted above the stars to assist with breaking down of clods.
- **Levelling**- Hydraulic levelling leg to maintain even cover on star bed. Level indicator fitted.
- **Steering**- Automatic self-centering hydraulic steering with indicator and sensor system. This helps to reduce the turnaround time on the headlands.
- **Cross Conveyor**- This optional extra is 55cms wide with hydraulic variable speed and can be put to work either side of the machine. Mechanical auto folding with manual locking. choice of 28mm or 40mm pitch.
- **Magnet**- Manually operated. Allows for the collection of UXO and other metallic objects that can be deposited at the headland when required.
- **Wheels**- Steel braced wheels and tyres available as options.
- **Specification:**
  - Length - 6.45M
  - Width - 2 M (Clearance path) 2.4 M (transport)
  - Height - 2.20 M
  - Drive System Protection - Slip clutch on input transmission
  - Hydraulic Source - Tractor flow & return constant pump
  - Hydraulic Flow Rate - Min 30 Litres/minute Max 45 Litres/minute