





## The Rotastar™ is a unique, high-output screening bucket that combines many market-leading features.

Material is constantly rotated, without any chopping or pinching, making screening of damp, fragile and special materials possible. Suitable for top soil, waste, turf, roots, gypsum, knotweed and many other applications. With adjustments, it is possible to produce an 8mm fraction size.

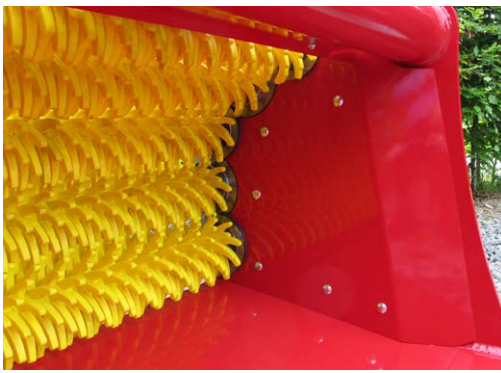
The Lloyd **Rotastar™** bucket has a unique screening action. It rotates the material in a similar manner to a trommel screen, but has the benefit of rotating star discs, agitating and clawing at the material as it turns. This is achieved by mounting star shafts on a large arc, forming the back and top of the bucket.



## The impressive performance of the Rotastar™ comes from:

- Lightweight, hard-wearing, flexible, self-cleaning polyurethane stars. This means no pinch or crushing areas, resulting in low power requirement and no contamination from crushed material. The flexible stars are gentle on fragile material such as roots, vegetation and turf.
- Variable speed control is fitted as standard up to the **RS10-20**, so it is possible to adjust fragment size by changing shaft speed. Most importantly, this allows the operator to set the shaft speed to suit conditions and excavator.
- With different star, collar, and spacer options, it is possible to tailor the screening bucket to create a particular fraction size to suit requirements. We can create an 8mm fine material with the correct set up.
- Massive screening area, due to the light weight of the star segments, which results in high output and excellent cost effectiveness.
- The rotary action of the bucket allows complete mixing of material as it is being screened, ensuring complete separation. The bucket is screening throughout its cycle, with no time wasted in stopping and reversing the shafts.





# Rotastar



**LLOYD**  
Screening Machinery  
Design and Manufacture

- Replaceable side panels working against replaceable shaft end discs. The area where the rotating star meets the fixed side panel has a unique design where we fit steel end discs. This ensures even star wear across the shaft length and closes the gap between star and side panel, so a genuine fraction size can be maintained.
- Quiet running.
- Rugged construction, using the best materials for long life and reliability. It has a well-protected and easily removable transmission guard and a simple, reliable, chain drive. The shafts are completely covered by the star elements, eliminating shaft wear and eventual replacement.
- Easy maintenance. The side profile design allows for easy shaft removal. The polyurethane stars are an inexpensive, easily replaceable part that reduces down time.
- The shafts operate in one direction only and require a standard one-way hammer circuit. This also eliminates the need for a drain line.
- There is a skid steer and micro-loader option for the **RS4-9** screening bucket. This is an adaptor plate that fits to the skid steer. There are quick hitch hooks that fit to the **RS4-9** so that the bucket can be used on a normal excavator with a conventional top bracket. The change-over takes approximately 3 minutes.
- We can manufacture adaptor plates to suit all sizes of loader.



# Screening Applications



- Compost
- Top Soil
- Sand
- Stone
- Fertiliser
- Gypsum
- Mixed waste
- Gully waste
- Street waste
- Fine screening
- Cable padding
- Knotweed

## Technical Specification

	RS2-4	RS3-5	RS4-6	RS4-9	RS8-14	RS10-20	RS13-20	RS20-30
Carrier weight	2.2–3.5 tonnes	3–5 tonnes	4–6 tonnes	4–9 tonnes	8–14 tonnes	10–20 tonnes	13–20 tonnes	20–30 tonnes
Output	Average 6–8 t/hr	Average 10 t/hr	Average 15 t/hr	Average 25 t/hr	Average 32 t/hr	Average 40 t/hr	Average 55 t/hr	Average 90 t/hr
Shafts	3	3	3	4	5	5	6	8
Bucket capacity	0.12m <sup>3</sup>	0.15m <sup>3</sup>	0.2m <sup>3</sup>	0.3m <sup>3</sup>	0.4m <sup>3</sup>	0.65m <sup>3</sup>	0.9m <sup>3</sup>	1.2m <sup>3</sup>
Hydraulic requirement	40 litres/min 70–180 bar	45 litres/min 70–180 bar	50 litres/min 70–180 bar	55 litres/min 70–180 bar	64 litres/min 70–180 bar	70 litres/min 70–180 bar	100 litres/min 70–180 bar	140 litres/min 70–180 bar
Bucket weight	250kg	280kg	340kg	460kg	615kg	1000–1060kg	1130–1250kg	1700kg
Working width	640mm	825mm	1056mm	1056mm	1150mm	1260mm	1260mm	1260mm
Overall width	910mm	1070mm	1300mm	1300mm	1402mm	1560mm	1660mm	1660mm

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Other sizes can be manufactured on request

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