

Fast Efficient Screening Systems

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About Gyru-Star

Our Philosophy

To bring an affordable, high quality and performance, screening solution with low or zero maintenance to the compact attachment market.

The fast and efficient polyurethane star screening system, screens without crushing or shredding. Enabling liabilities to be turned in to assets through a comprehensive product range, matched to carrier weights.



Manufactured by Wheatway Solutions Ltd, we are a customer driven solution provider for the screening, crushing & recycling industry.



Join The Gyru-Star Family, Find Us On Social Media













Use your smart phone camera to scan the Q-R codes and a website or video will appear!

Contact Us



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Innovation for your success

Our Screening Buckets

How Do They Work?



Our screening bucket shafts are packed with flexible polyurethane stars. In operation the shafts rotate, creating a rolling action, which keeps the material fluid. The bucket screens the material. The rolling action agitates the material, allowing the fines to fall through the gaps in the stars. The gap size is different per fragment reduction kit. Since the stars do not grab the material our buckets are true compact screeners.



The bucket shell is a steel structure with fully welded joints that has been tested up to 1.5x maximum the permissible load. The double skin floor with two integrated driveline cavities adds even weight distribution and maximum strength.

No internal side obstructions, and narrow driveline cavities combined with the integrated lower rotor protection, prevents material falling through the back and also adds strength to the shell.



Driveline & Hydraulics

The Gyru-Star compact screening system is driven by a hydraulic motor via synchro chain carbon belt and pulley system, with pre-tensioned self adjusting, belt tensioners and sealed internal bearings for a durable clean, low to zero maintenance product. Motors and hoses fully encased within the driveline compartment; provides a fully protective and compact design.





Made from polyurethane these flexible stars are used to create a rolling action inside the bucket. The star rotors agitate the material, causing the fines to fall through the rotating stars leaving the oversized material in the bucket.

Low Maintenance Systems

Standard Equipment

Non-Stick Floor

Standard on all bucket models the Non-Stick floor can help prevent the build up of material inside the bucket if it is particularly wet and sticky.





Stone Guards

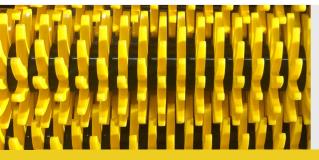
Specialist stone guards for every model. These prevent stones flying out towards the machine or area around the bucket making operation safer.

Each model has specific standard stone guards. Stone guard extensions or spares are available and are charged additionally.

Cross-Over Kit

Standard on all 4, 5 & 6 rotor models, the cross over kits centre the hoses around the head plate adapter point.





20-0mm Fragment Kit

All standard buckets are fitted with a 20-0mm fragment kit. This can be changed to 15-0mm or 10-0mm upon point of order, but requires break down and rebuild of parts to change the fragment after sales.

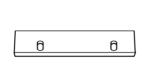
True Compact Screening

Fragment kits

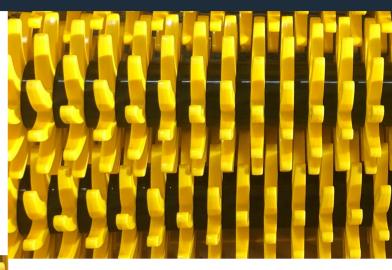
Nominal 20-0mm

The Largest fragment size available in our Gyru-Star compact screening systems. This is the standard fragment kit. (Black rings). Includes adjustable stripper plate on the tube of the bucket.





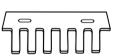




Nominal 15-0mm

The intermediate fragment kit size available in our Gyru-Star compact screening systems. (Grey rings). This fragment kit is fitted with combs on the tube of the bucket.

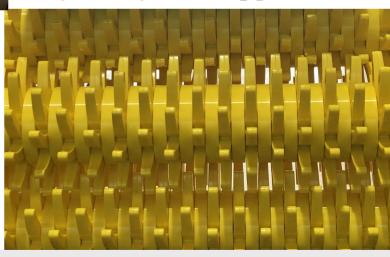




Nominal 10-0mm

The smallest fragment kit available in our Gyru-Star compact screening systems. (Yellow rings) This fragment kit is fitted with combs on the tube of the bucket.







20-15 Intermediate Option

It is possible to add combs to your 20-0mm fragment kit bucket. This will reduce the amount of oversized material leaving the bucket. This creates a fragment kit, considered between a 20-0mm and 15-0mm fragment kit.



3 Fragment Sizes To Suit Your Screening Requirements

Applications







Top Soil

Used in landscape renovation. Our screening buckets can be used to remove stones, vegetation and oversized particles to prepare the soil to be reused.

Compost

The Gyru-Star compact screening systems can be used to separate compostable and noncompostable items, as well as mixing and turning the materials to accelerate the composting process.

Mixing & blending

Mixing pre-screened soil with compost and other materials to improve the final product. This higher nutrient soil can then be used to aid growth of crops and plants.





Our Gyru-Star compact screening systems have been used to screen snow, from local ice rinks, onto tulip bulbs, to control their bloom in time for an outdoor festival in Sweden. As well as; woodchip, mulch, sand, Knott weed & root matt. Check out our Job Stories for more information.

Other

Demolition Waste Recycling

Our Gyru-Star compact screening systems can be used to screen demolition waste before crushing. This removes fine material from the bucket. Our Gyru-Star compact screening systems have a more affordable running cost, only the oversized fragments need to be crushed.



Pipeline & Cable Padding

In the MAX range the longer wider cutting edge makes it is easier to pick up longer piles of material, which can be screened directly into the trench, leaving the oversized material in the bucket. Our buckets help you reuse your materials on site, saving you money and time.

Turning Liabilities Into Assets





The smallest screening buckets available in the Gyru-Star compact screening family. These buckets are suitable for excavators ranging from 1-5 ton. Perfect for work areas where space is limited. With three fragment sizes to choose from and headstock also available.

Buckets Available



See the back page for full specifications \rightarrow

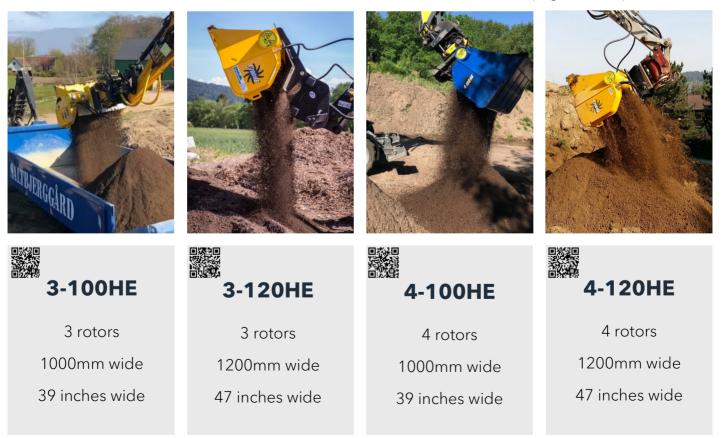
Affordable Screening Solutions





The HE range, designed for heavier excavators but, has the option for loader conversion. These buckets have increased size and capacity in comparison to the E range due to an increase in rotor quantity and length.

Buckets Available



See the back page for full specifications \rightarrow

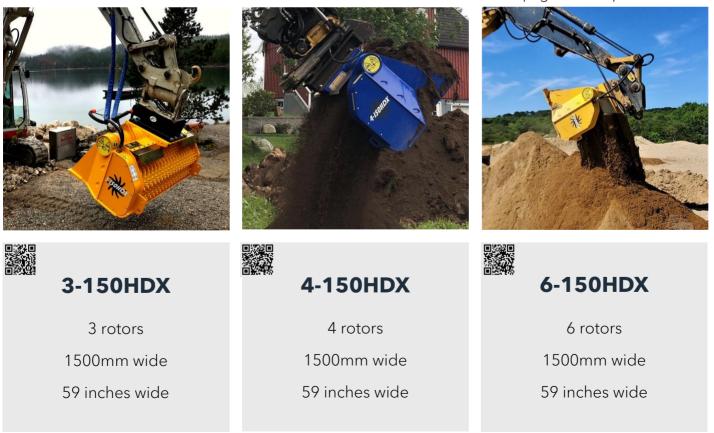
Comprehensive Ranges Matching Carrier Weights





The HDX range. All models in this range are 1500mm wide and have additional hardox wear plates. The models have a unique design allowing for loader conversion. Using a Kustom Konnect interface the buckets can have a dual interface system.

Buckets Available



See the back page for full specifications \rightarrow

Non-Stick Floor Now Standard

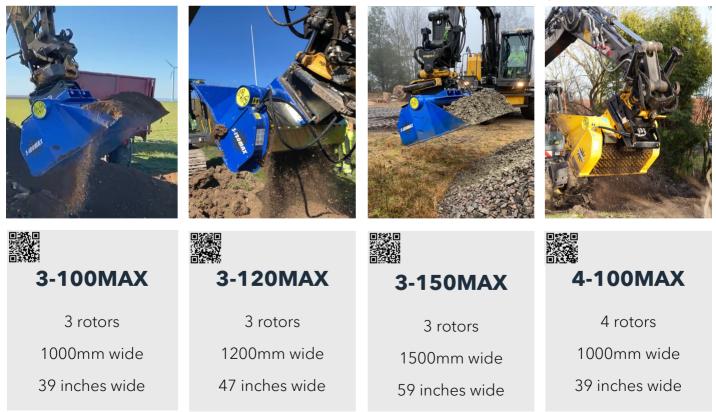
MAX Range



The MAX range, known for the longer wider cutting edge. These screening buckets are the largest capacity buckets available. The specialist design makes it easier to pick up longer smaller piles of material. Perfect for padding and backfilling, the MAX buckets can screen directly into the trench.

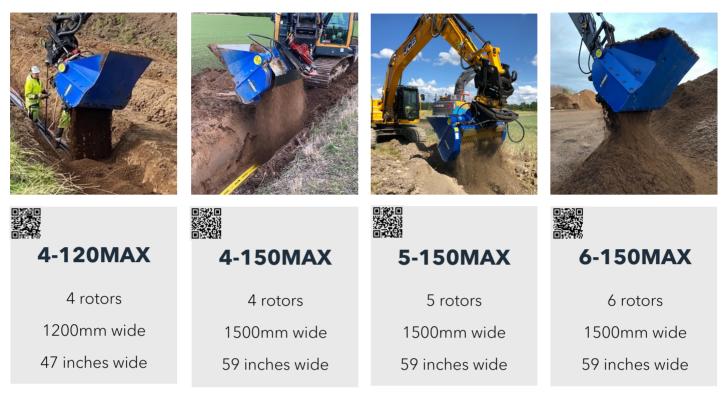
Buckets Available

See the back page for full specifications \rightarrow



MAX Range For High Capacity

MAX Range Continued



"The Best Investment I Have Made"

Last fall, Nils-Erik Skantze received, in the Fjärås sorting scoop SBS Gyru-Star 4-150MAX and since then has used it several times a week. "It's the best investment I've made," he says.

Ransome Turns Skeptic Into A Believer

"This [polyurethane] works better than the metal because the buckets I've looked at with metal crush, too, I didn't want to crush; I just wanted to separate my limbs, sticks, and root mat from the dirt. This is also cheaper than doing it with those other buckets."

Big Gains In Sorting Out Protective Fillings

"I'm very happy with it. Above all, you save on the environment by reusing material in place, but it also works faster when you do not have to wait for material transport and then you get a very nice looking material. There are only benefits to it, it, it has worked better than expected even in mud and wet masses"

Operators Opt For Gyru-Star Innovative Screening Systems

"It is a cost-effective way to obtain a screener without having to invest a huge amount of money, It is a perfect fit for our operation and has enabled us to better utilise the machinery we already have. The teleporter is one of the smallest yet it drives the bucket very well; it takes very little power and runs smoothly off the hydraulics."

Adjustable Stripper Plates & Combs





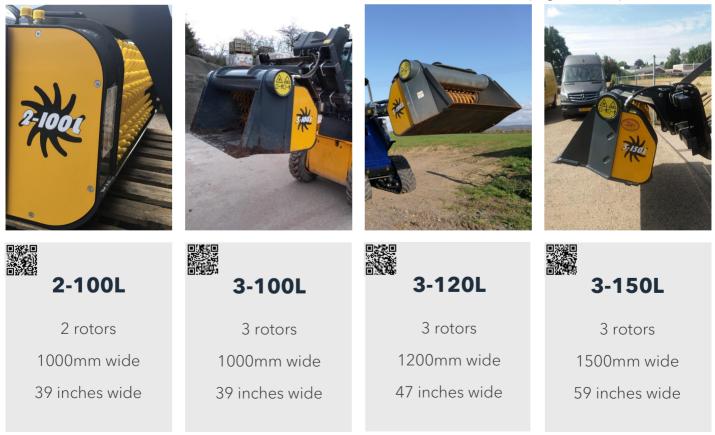






The L range, these models have 2 or 3 rotors. The specialist shell design allows dedicate Kustom Konnect interfaces to be added for easy carrier connection. This can be fixed, adjustable or interchangeable to suit your carrier needs.

Buckets Available



See the back page for full specifications \rightarrow

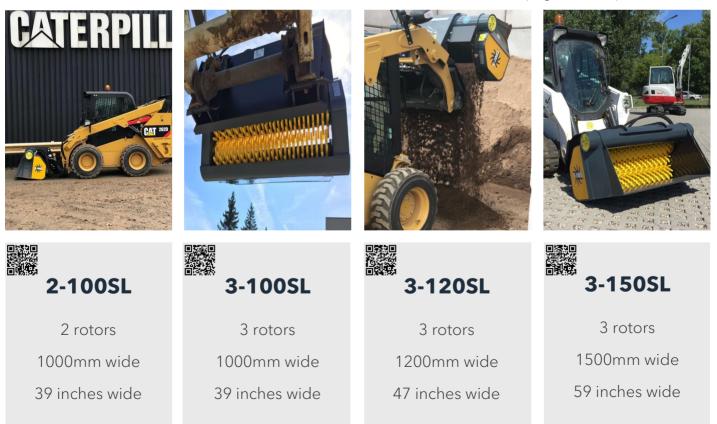
Dedicated L Range for Loaders





The SL range is our dedicated skid steer range, the unique design allows safe entry to the cab via two treds, all SL models have 2 -3 rotors varying in width from 1000mm- 1500mm.

Buckets Available



See the back page for full specifications \rightarrow

Dedicated SL Range for Skid Steer Loaders

Accessories



Oil Flow Control

Available on all L/SL buckets to control oil flow speeds.



Hydraulic Cross Over Kit

To change the hose centres to aid carrier connection.



Pressure Control Valve

Available on all 2,4,5 & 6 rotor buckets.



Fragment Reduction Kits

Additional shafts are available for parts.

Comb Kits

Available for all standard buckets to help reduce fragment size.



Stone Guards

Stone guard extensions are available on all 100-150 models.

Find Your Local Dealer



Gyru-Star Parts

For Gyru-Star Genuine Parts please contact your local dealer

or

email parts@gyru-star.com.

Durable, Affordable, Low Maintenance Systems

Interfaces







Gyru-Star Interfaces

Specialist design and manufacture of excavator interfaces. With the option of welded or removeable pins, dual centers, as well as loader, telehandler & tractor interfaces or rail systems.

Other Interfaces

Through the Kustom Konnect brand we design and manufacture interfaces to suit a range of solutions.

For more information please see www.wheatway.com





www.gyru-star.com sales@gyru-star.com

Gyru-Star Bucket Model Specifications

Edition 3

E	Carriers		HYD Requirement		Bucket		
	Excavator	Loader Lift Capacity	Flow		Weight	Capacity	Screening Area
	1 - 2 ton		40 lpm		155 Kgs	0.06 m ³	300 X 480 mm
2-50E	2200 - 4400 lbs		8 gpm		340 lbs	0.08 yd³	12 X 17 inch
2-100E	1.7 - 2.7 ton	Excavator	40 lpm	1	240 Kgs	0.12 m ³	300 X 1000 mm
	3750 - 5950 lbs		8 gpm		530 lbs	0.16 yd ³	12 X 39 Inch
3-60E	2 - 4 ton	attachment only	55 lpm		240 Kgs	0.13 m³	430 X 560 mm
3-00E	4400 - 8800 lbs		14 gpm		530 lbs	0.17 yd ³	17 X 22 inch
3-80E	3 - 5 ton		55 lpm		290 Kgs	0.18 m³	430 X 800 mm
	6600 -11000 lbs		14 gpm		630 lbs	0.24 yd ³	17 X 32 inch
HE	Excavator	Loader Lift Capacity	Flow		Weight	Capacity	Screening Area
3-100HE	4 - 6 ton		65 lpm	-	360 Kgs	0.23 m ³	430 X 1000 mm
	8800 -13200 lbs		17 gpm		800 lbs	0.30 yd ³	17 X 39 inch
3-120HE	5 - 7 ton	2 - 4 ton 4400 - 8800 lbs	65 lpm		405 Kgs	0.26 m ³	430 X 1200 mm
	11000 - 15400 lbs		17 gpm		900 lbs	0.34 yd³	17 X 47 inch
4-100HE	7 - 10 ton		90 lpm		560 Kgs	0.35 m ³	615 X 1000 mm
	15400 - 22000 lbs		24 gpm		1230 lbs	0.46 yd ³	24 X 39 inch
4-120HE	10 - 13 ton	6 - 8 ton	90 lpm		600 Kgs	0.40 m ³	615 X 1200 mm
	22000 - 28600 lbs	13200 - 17600 lbs	24 gpm		1320 lbs	0.52 yd ³	24 X 47 inch
HDX	Excavator	Loader Lift Capacity	Flow		Weight	Capacity	Screening Area
3-150HDX	7 - 10 ton	3 - 6 ton 6600 - 13200 lbs 5 - 8 ton 11000 - 17600 lbs 6 - 10 ton 13200 - 22000 lbs	70 lpm		600 Kgs	0.35 m ³	430 X 1500 mm
	15400 - 22000 lbs		18 gpm		1320 lbs	0.46 yd³	17 X 59 inch
4-150HDX	13 - 18 ton		90 lpm	6 D	860 Kgs	0.60 m ³	615 X 1500 mm
	28600 - 39700 lbs		24 gpm	200Bar 2900PSI	1900 lbs	0.79 yd³	24 X 59 inch
6-150HDX	16 - 24 ton		150 lpm		1360 Kgs	1.20 m ³	1030 X 1500 mm
	35200 - 52900 lbs		42 gpm		3000 lbs	1.57 yd³	41 X 59 inch
MAX	Excavator	Loader Lift Capacity	Flow		Weight	Capacity	Screening Area
3-100MAX	4 - 6 ton	- 2 - 4 ton	65 lpm	Pressure	425 Kgs	0.43 m ³	430 X 1000 mm
	8800 -13200 lbs		17 gpm		950 lbs	0.56 yd³	17 X 39 inch
3-120MAX	5 - 7 ton		65 lpm		580 Kgs	0.46 m ³	430 X 1200 mm
	11000 - 15400 lbs	4400 - 8800 lbs	17 gpm		1280 lbs	0.60 yd ³	17 X 47 inch
3-150MAX	7 - 10 ton	3 - 6 ton	70 lpm		640 Kgs	0.55 m ³	430 X 1500 mm
	15400 - 22000 lbs	6600 - 13200 lbs	18 gpm		1400 lbs	0.72 yd ³	17 X 59 inch
4-100MAX	7 - 10 ton	-	90 lpm		715 Kgs	0.50 m ³	615 X 1000 mm
	15400 - 22000 lbs		24 gpm		1580 lbs	0.65 yd³	21 X 39 inch
4-120MAX	10 - 13 ton	6 - 8 ton	90 lpm		740 Kgs	0.60 m ³	615 X 1200 mm
	22000 - 28600 lbs	13200 - 17600 lbs	24 gpm		1630 lbs	0.79 yd³	21 X 47 inch
4-150MAX	13 - 18 ton	5 - 8 ton	90 lpm		980 Kgs	0.80 m ³	615 X 1500 mm
	28600 - 39700 lbs	11000 - 17600 lbs	24 gpm	2160 lbs	1.05 yd³	21 X 59 inch	
5-150MAX	16 - 24 ton	6 - 10 ton	150 lpm		1200 Kgs	1.30 m ³	845 X 1500 mm
	35200 - 52900 lbs	13200 – 22000 lbs	42 gpm		26500 lbs	1.70 yd ³	33 X 59 inch
6-150MAX	20 - 30 ton	10 - 15 ton	150 lpm		1450 Kgs	1.60 m ³	1030 X 1500 mm
	44000 - 66000 lbs	22000 - 33000 lbs	42 gpm		3200 lbs	2.09 yd ³	41 X 59 inch
L/SL	Excavator	Loader Lift Capacity	Flow		Weight	Capacity	Screening Area
2-100L /SL	1 ton 2200 lbs 1 - 2 ton 2200 - 4400 lbs	1 ton	40 lpm		240 Kgs	0.12 m ³	300 X 1000 mm
2 1002/02		2200 lbs	8 gpm		530 lbs	0.16 yd ³	12 X 39 inch
3-100L /SL		65 lpm		360 Kgs	0.23 m ³	430 X1000 mm	
0-100L/OL		17 gpm		800 lbs	0.30 yd ³	17 x 39 inch	
3-120L SL	Loader range	1 2	65 lpm		390 Kgs	0.26 m ³	430 X 1200 mm
		2200 - 6600 lbs	17 gpm		890 lbs	0.34 yd ³	17 X 47 inch
3-150L /SL		2 - 5 ton	70 lpm		600 Kgs	0.35 m ³	430 X 1500 mm
3-1501 /91							