



SAMCO SYSTEM

Innovative Agricultural Machinery Solutions



FIELD MACHINERY RANGE 2022

SAMCO Agricultural Manufacturing Ltd is an award-winning family-run company that was established in 1996 by Samuel J. Shine. Since then Samco has built a strong reputation for innovatively designing and manufacturing reliable machinery which they now export across the world.

In 2019 Samco invested in new purpose-built premises reaching a new milestone for the Shine Family and the extended Samco team. This allowed the company to meet the needs and requirements of an ever-changing agricultural industry.

The extensive range of machinery is now manufactured under one roof with the main focus on R&D with a team of highly skilled fabricators and knowledgeable sales staff to provide they're the customers with high-quality reliable products and services.

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FIELD LIFT (SUB SOILER)

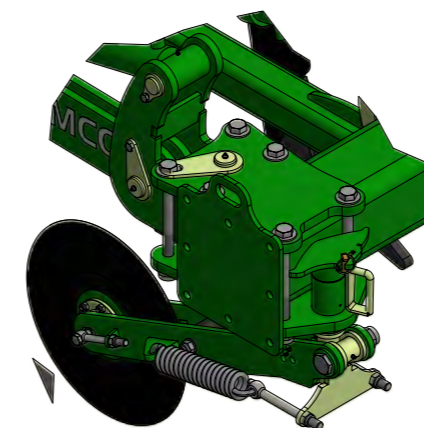
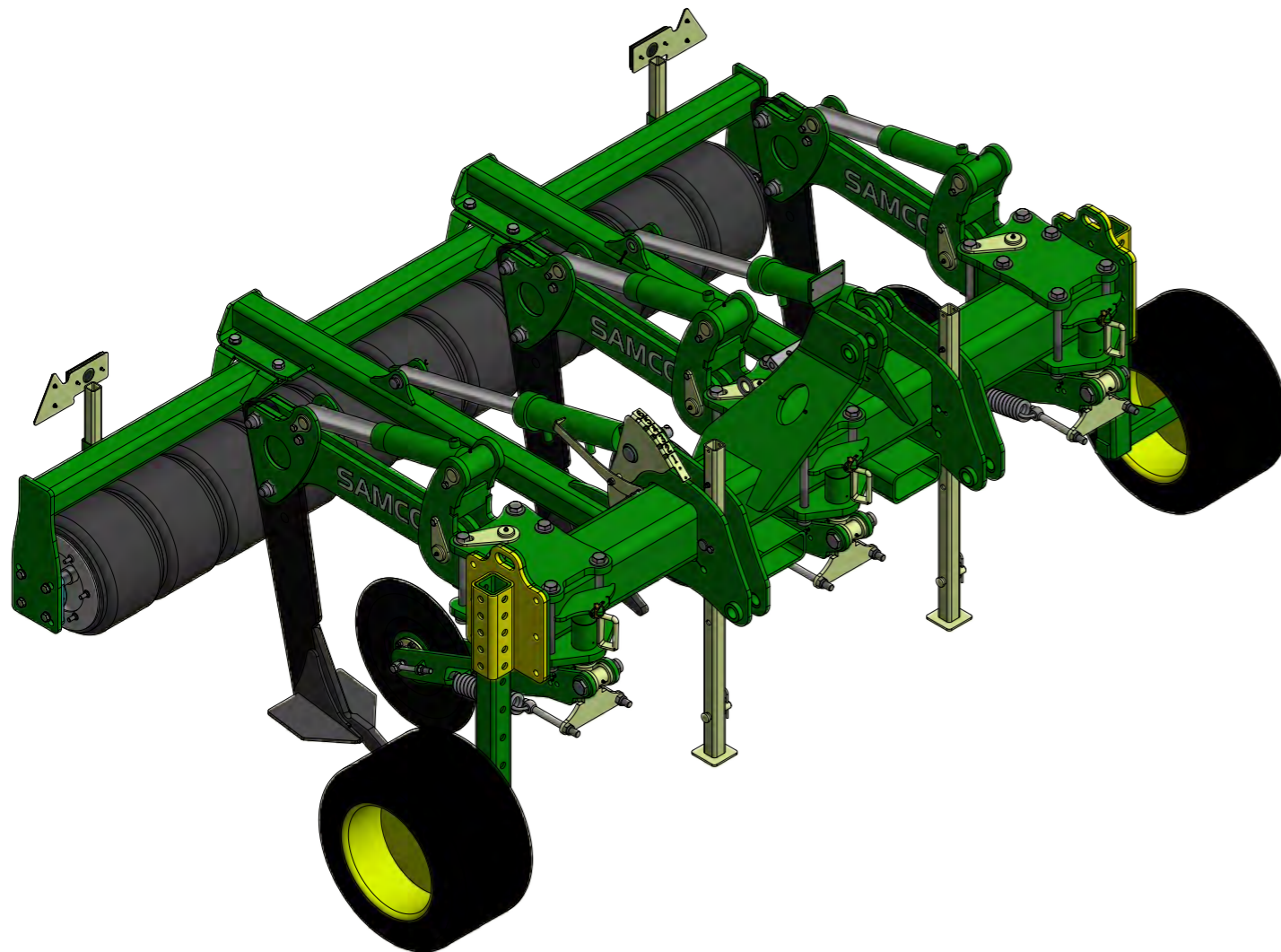
Designed to improve soil structure and increase crop yields.

The Samco Field-Lift alleviates compacted soil.

Compacted soil reduces crop yields because of poor soil structure. Waterlogging in the topsoil rots seeds, reduces the soil temperature and excludes air.

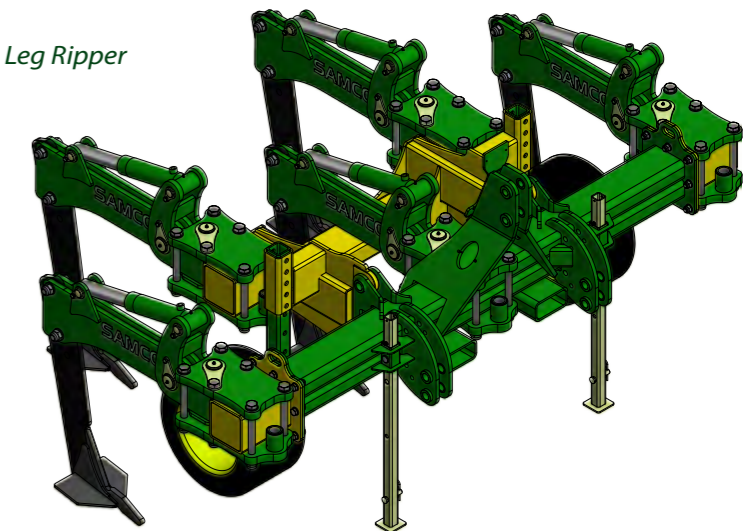
Compaction can be the cause of a poor response to fertilisers. Roots cannot exploit the soil; plants are starved of the nutrients they need. Plants weakened by waterlogging, as a result of compaction are less resistant to disease and pest attack and could result in extra sprays needed. Drought can also be an issue; shallow rooting plants cannot obtain sufficient moisture and are quick to wilt.

The optimum time to use the Samco Field Lift is after crops are harvested and right before sowing. The Samco field lift breaks sealed and compacted soil up to 18 inches into the ground.



Field lift 3 leg

5 Leg Ripper



Key Points

- Depth Gauge – ensures driver can easily maintain a constant working depth across the field.
- Accumulators are fitted to protect the legs when they come into contact with large stones.
- The legs are mounted on pins to allow pivoting left and right when they make contact with stones.
- The pulling pin is 70mm thick with brass bushings to reduce wear on the tip
- Hydraulic release can be set from the cab depending on conditions and horse power of the tractor.
- Easy replace, one piece wearing tips. Two sizes available: 8 and 12 inches wide for grassland and arable respectable.
- Grassland discs pivot from 50 mm high tensile shafts housed in a double glider G top hat sleeved bush. Discs run on 2 double row ball bearings.
- Easy release pull-out pins to allow for quick transfer from grassland and back to arable.
- Depth control wheels can be used on tillage ground where packer roller is not used.

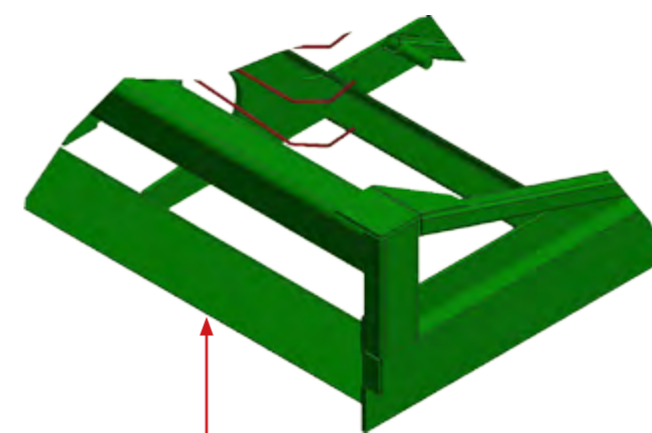
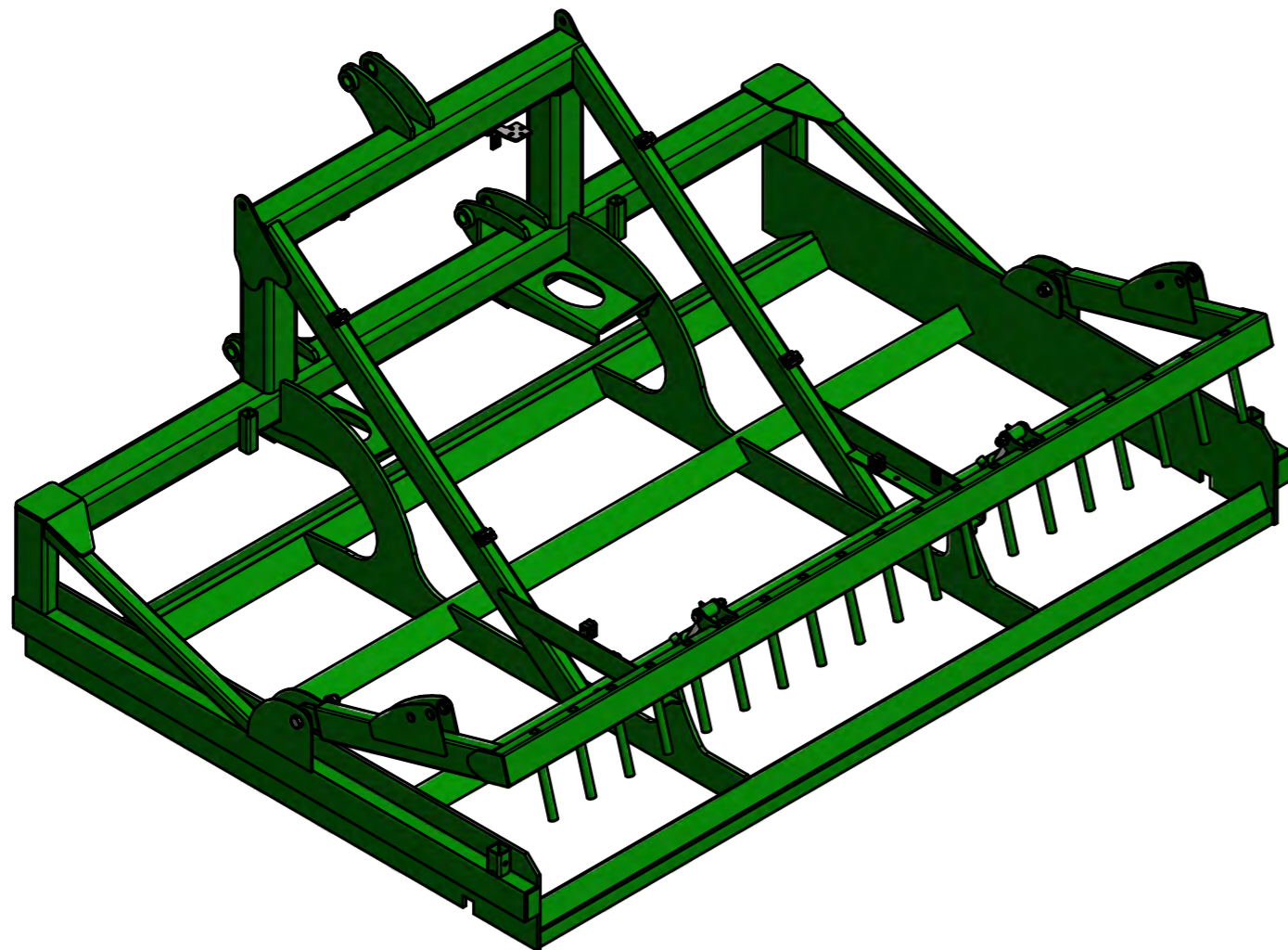
SOIL MASTER (LAND LEVELLER)

Levels and grades soil to uneven parts of the field leaving a level clean finish. Innovatively designed to collect stones in a very quick and economically friendly manner.

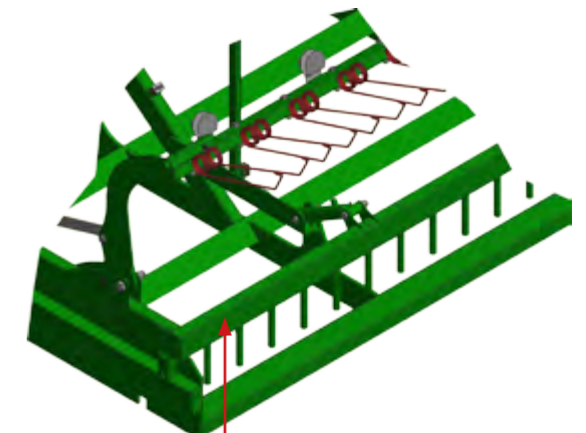
The ultimate machine on the market for field levelling, stone picking and its ability to endure many years of hard work. When used with a hydraulic top link the ground breaker becomes an effective grading tool as the operator controls the amount of soil moved by the machine. There two widths available, 3 meter and 4.5 meter folding.

Optional extras

- Manual or Hydraulic rear stone trapping bar
- Grass seed applicator with rear tines



Hardened Cutting Edge blade



Adjustable Stone Trapping Bar

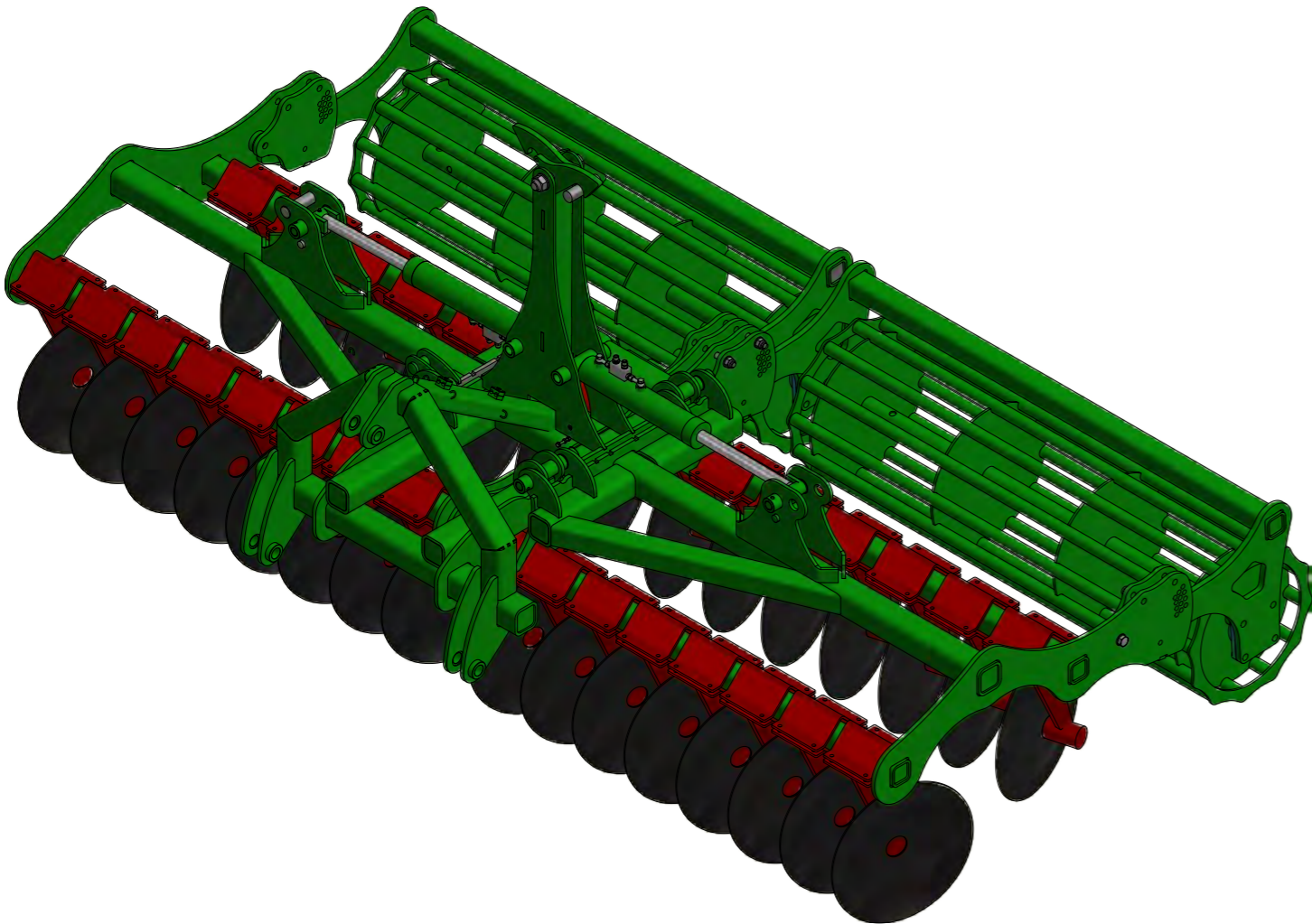
Key Points

- Hardened cutting edge blade: Shaves stones and rocks into the ground breaker without any springing or jumping off the ground.
- Sides of 300 mm height to avoid spillage over the sides when moving a lot of soil.
- Three levelling blades ensure firm and level seed bed.
- Adjustable Trapping bar: Catches stones and is hinge mounted to allow for reversing. Bar can be raised or lowered depending on conditions.
- Hydraulic top link: Adjust top link to change the angle on the cutting-edge blade to shift as much soil as needed.
- Curved support blade: Allows soil and stones to move freely through the ground breaker without build up of soil at first point of work.

DISC HARROW

The short and compact design of the new disc harrow allows lower HP tractors to lift the machine. The disc angle at 15 degrees gives excellent cropping performance of trash with the disc spacing at 125mm intervals. Each disc bearing housing is equipped with a grease point. The depth control of the harrow is easily adjusted via the roller at the rear of the cultivator by means of adjustable pins.

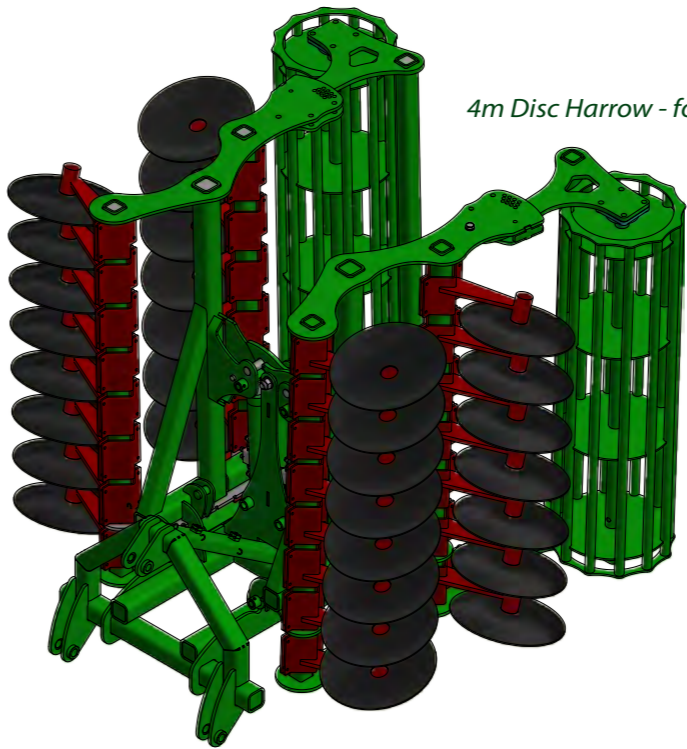
The disc harrow is capable of working from 3cm to 15cm in depth. The elastic sprung rubber bushings that suspend each disc provides long life protection to each individual disc when coming in contact with foreign objects. Working speeds can be from 8 kph to 15 kph depending on soil conditions. Using high grade steel with our experienced in-house design team we are proud to bring you the new designed SAMCO disc cultivator to the market.



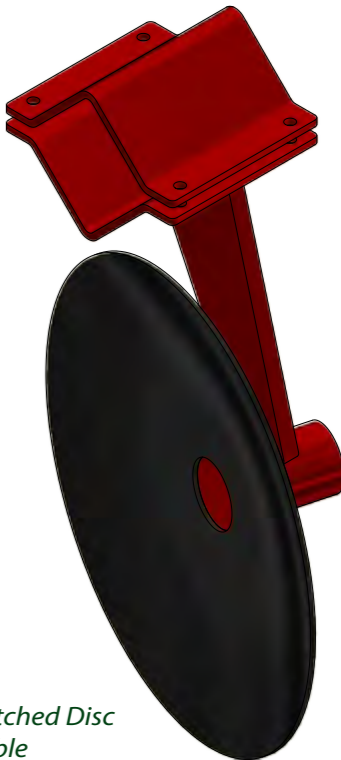
3m Disc Harrow



4m Folding Disc Harrow



4m Disc Harrow - folded



Plain Disc / Notched Disc options available

Model	Number of Discs	Disc Diameter	Spacing between Discs	Distance 1st to 2nd Row	Working Width	Transport Width	Weight	HP required
3M	22	410mm < 560mm	125mm	80cm	3m	3m	1700kg	100hp
4M	30	410mm < 560mm	125mm	80cm	4m	2.25m	2350kg	150hp

WEIGH WAGON

The Weigh Wagon is the ideal tool for seed companies or research institutes. We have positioned 4 weigh cells on each corner of the hopper for high-accuracy when weighing plots. There is a weigh monitor positioned on the head stock which is easily visible from the tractor cab.

The wagon has an independent hydraulic pump which is PTO driven, therefore not mixing the oil from the wagon with the tractor when in tipping mode. The chassis has been innovatively designed so that it can be transported on the road using a 4x4 or large van. In field work mode, the operator simply attaches a ring hitch which is suitable for all model of tractors and connects the PTO shaft. The unique design of the wagon allows the operator to carry 1,200 kg of material and has a tipping point of 3.8 meters.

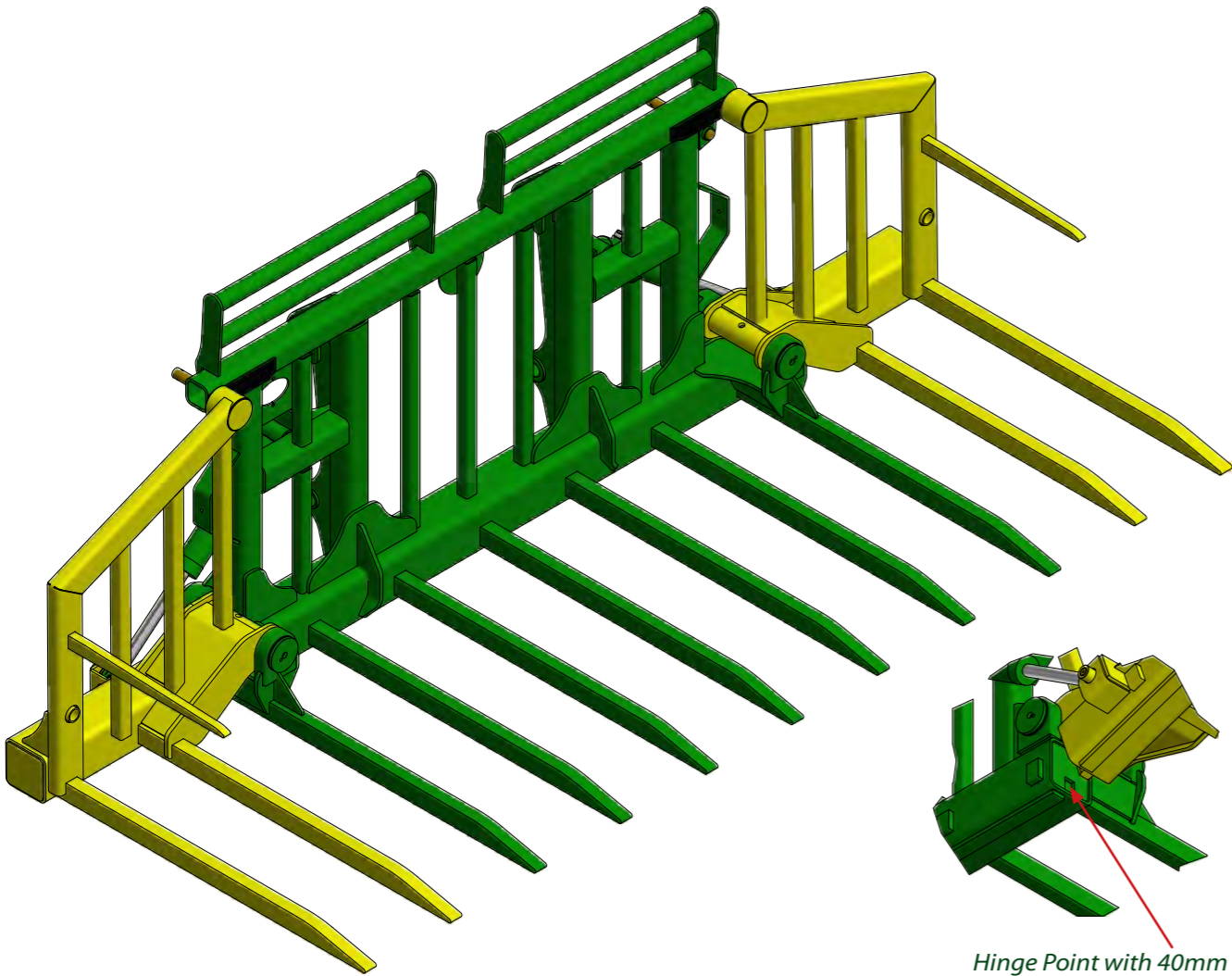


Total height	Total length	Total width	Overall weight	Tyres	Braking system	Tipping Point
2,900mm	4,013mm	2,250mm	2,500kg	215/75R16C	Drum	3,800mm

SILAGE FORK

Samco are manufacturing a folding silage fork to add to their existing range of agricultural equipment. The Samco folding silage fork was designed to assist with the increased outputs from high capacity silage harvesters. The folding silage fork was designed for durability, strength and maintenance free for many years of hard work.

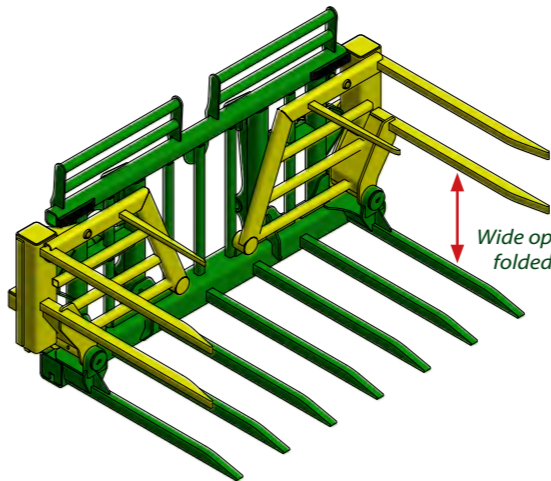
- Available in 13ft with 5ft or 6ft square tines available
- Heavy duty Hardox 70mm x 50mm square tines
- Tines are secured and welded through the 180mm hot rolled main frame
- 330mm distance between tines
- 60mm folding pins with self-aligned ball hinges
- 10mm bottom wearing plate to protect wearing the main frame
- Heavy duty folding rams with hydraulic accumulators
- Safety pins for road transport
- Optional transport protection frame
- Overall weight 1300 kgs
- 40mm locking pins giving extra strength when working mode
- Hard wearing replaceable plastic shield on main frame.



Hinge Point with 40mm Wedge Lock

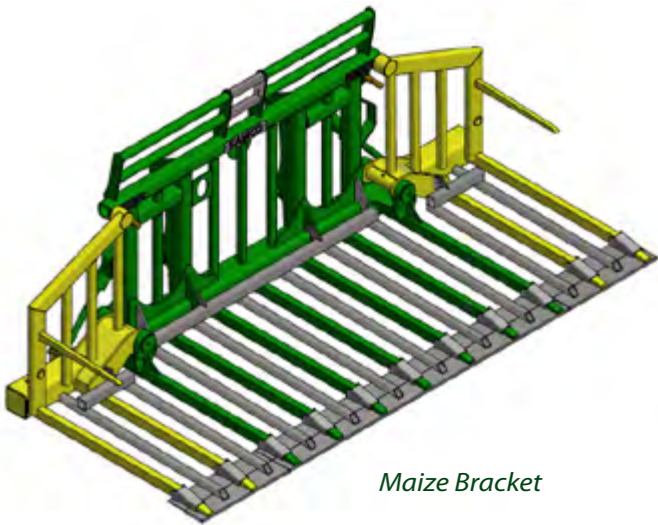


60mm Hinge Point



Wide opening when folded for edge pit building

Silage Fork - Folded



Maize Bracket

		With Maize Bracket		With Maize Bracket
Folding Forks	13ft	13ft	14ft 6"	14ft 6"
Width Open	13ft	13ft	14ft 6"	14ft 6"
Width Closed	9ft 5"	9ft 5"	9ft 5"	9ft 5"
Weight (kg)	1300kg	1580kg	1500kg	1820kg
Tine length	5ft	5ft	5ft	5ft
Tine width	50x70mm Hardox	50x70mm Hardox	50x70mm Hardox	50x70mm Hardox
Number of bottom Tines	11	21	14	27
Tine Spacing	13"	5ft 6"	11"	4ft 6"

BALE TRANSPORTER

The **CTS 1600 bale transporter** is a 1 person operation and can move 16 bales at once, main benefits are reduced number of tractors and labour required when moving bales and because of its compact design can off load the bales and stacks in small areas of the farm. The design of the trailer means you are travelling in line with the baler, no crossing swards or tramlines.

All modern tractors are oriented to suit mainly right hand implements therefor the trailer has been development to collect the bales only on the right side. With a simple 1 touch control joy stick the operator lift the bale and automatically stacks the bales internally in the trailer with a press of a button.

The compact trailer has an overall length of 5.8 meters which is much shorter than any other transporter on the market. With a double axle using 710/40 R22.5 tyres, this trailer handles field work and road transportation with ease. Another benefit is that due to the uniquely designed side frames there is not need for strapping as all the bales are kept tight due to the adjustable side frames and top hands.



Key Points

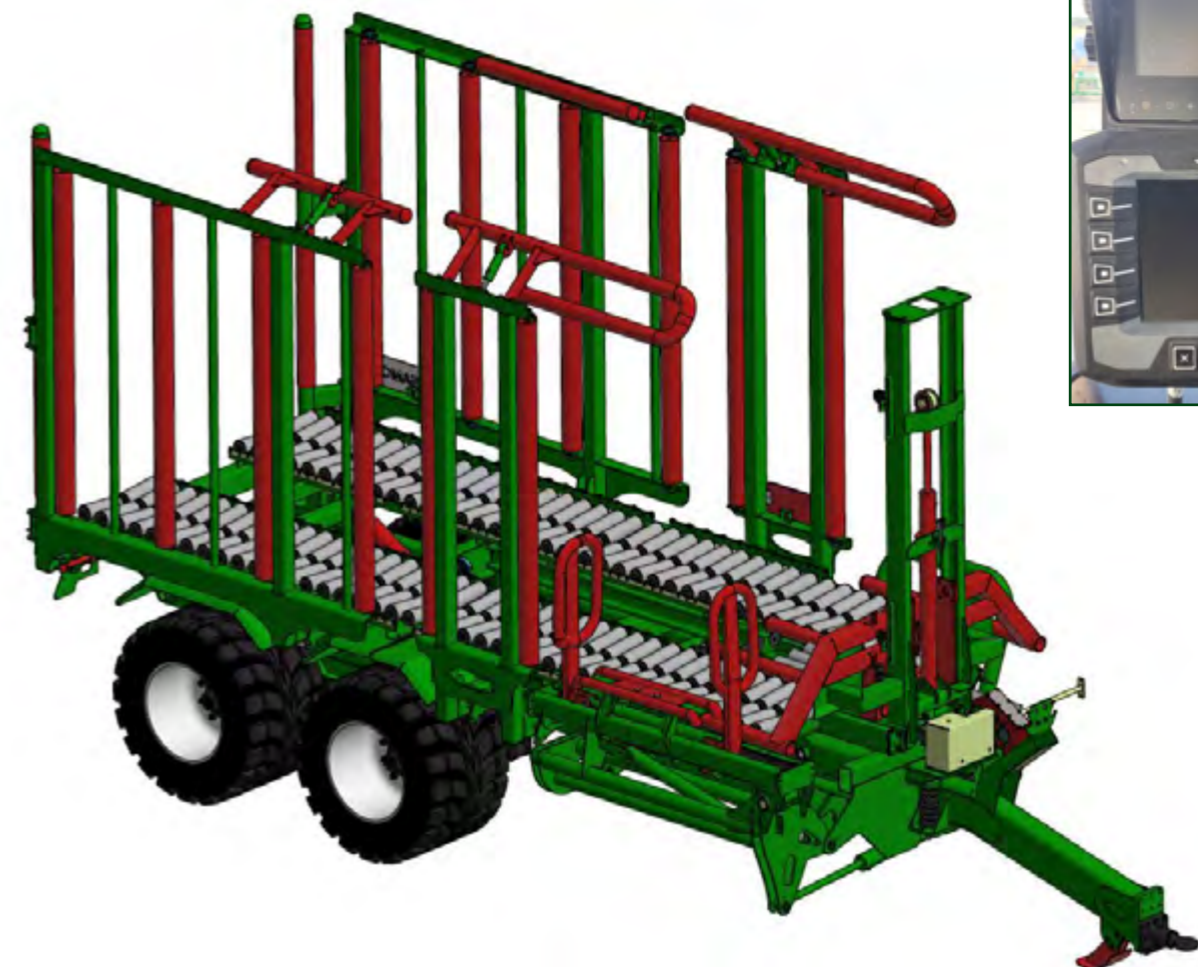
- Collect Transport and Stack
- 16 bale capacity
- Can collect Baled silage, Hay bales and Straw bales
- Compact manoeuvrable design on
- Auto loading function and bale transfer
- Bales locked in for safe transport
- Fast unloading in small foot print area to maximize space usage
- High capacity per hour
- Fast collection with 1 tractor man unit
- Reduced cost per bale to move from field to farm
- High speed hydraulic over air brakes axles
- 710/40 R22.5 tyres



Joy stick inside cab



Monitors inside cab



BALE TRANSPORTER



Collecting hay bales



Collecting straw bales



Grabbing bale 1



Grabbing bale 2



Grabbing bale 3



Stability on hilly ground



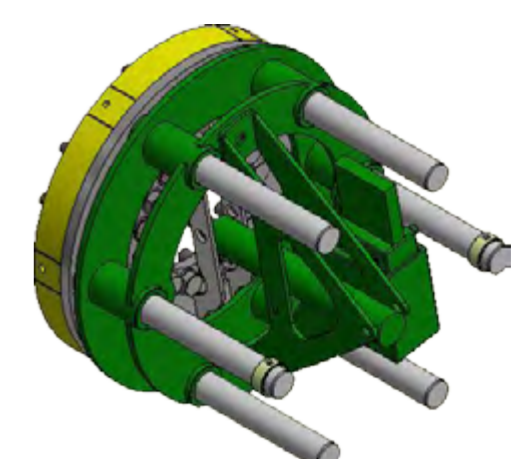
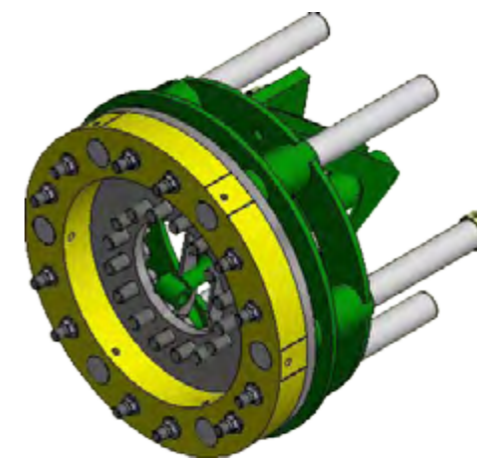
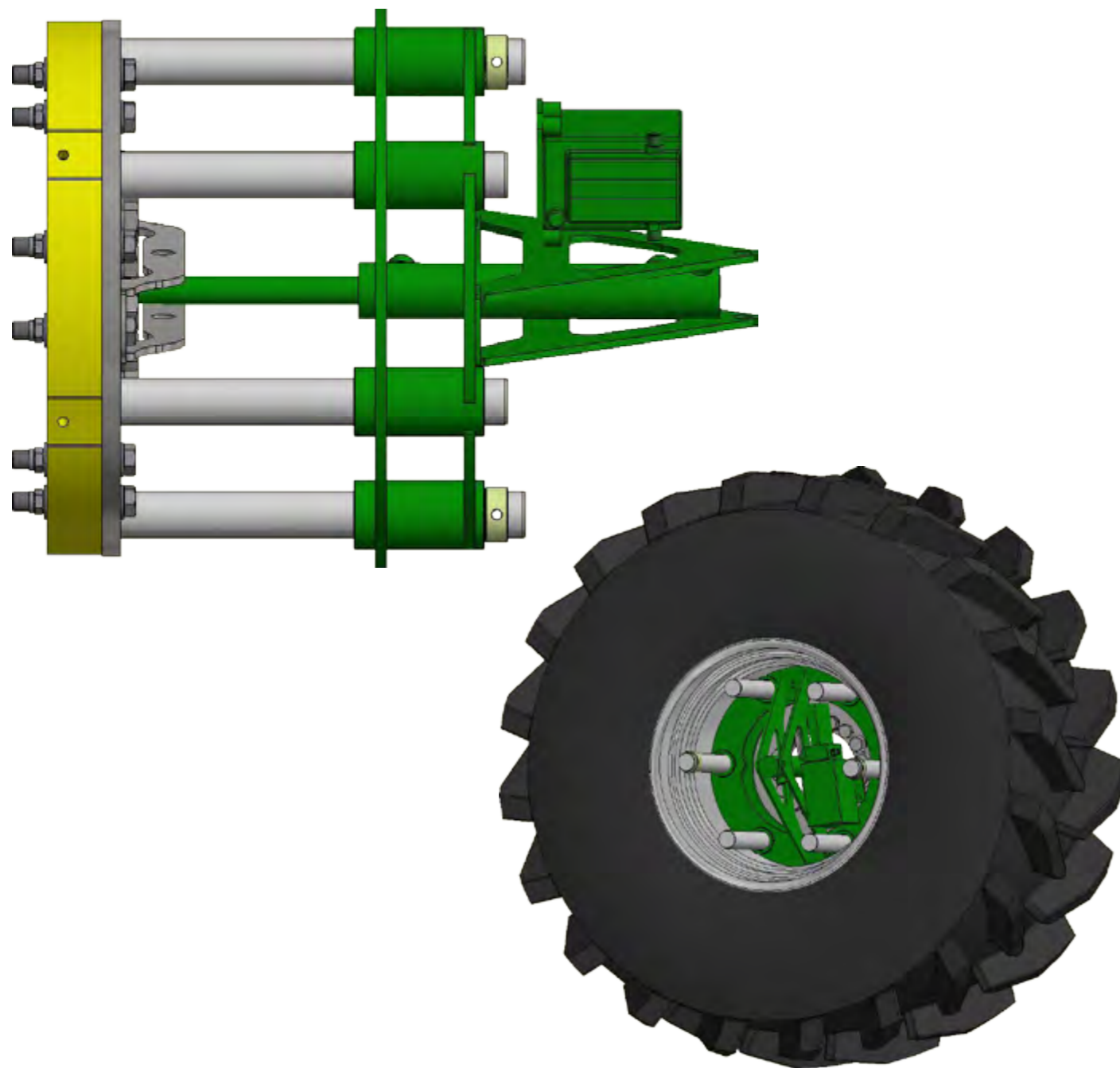
Off loading in compact areas



Off loading in compact areas

WHEEL EXTENDERS

- Increased safety on the road and on the silage clamp due to the extended wheel base.
- Improved comfort for the operator.
- Prevents waste in the clamp as the material has been packed due to the offset of the front and rear axles.
- The rims are easily installed and designed to fit many makes and models.
- Fitted to the front axle of the loader.
- With the use of the manual hydraulic pump the width of the front axle is extended from nine to eleven feet.





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