



# PRODUCT OVERVIEW

# CLOSE TO THE SOIL.

The best agricultural implements are grounded on it.



**We revolutionized tillage with the first self-cleaning prisma ring roller. Ever since, the name Güttnler has been synonymous with fertile soil structure and with a select portfolio of high quality products – with unique advantages for field work and ground maintenance.**

Tilling fertile fields sustainably. Fighting against the European corn borer and other lepidopteron pests – with clout. Producing more valuable animal fodder from pasturage. These are really ideal tasks for an implement from our agricultural machinery forge. Why? Because there's more to them than down-to-earth technology. More passion for digging deep into the underlying needs of agriculture. More ambition to improve already great solutions. More ideas, finally, that make your job of soil tillage easier. Faster, more convenient, and more productive.

## **Bringing you further.**

Ideas, which offer agriculturalists unique advantages. For example, the intelligent turning principle or our perfectly ground-hugging trailer rollers. The extremely robust “crocodile bite” of our front press. The ultra-light Simplex rings. The universal modularity. And above all – our revolutionary self-cleaning prisma ring rollers – Güttnler’s trademark.

## **A pioneer in surplus yield.**

Our rollers with the “golden hooves” made the soil ready for a new form of field and pasture treatment: single-pass re-compaction. That was back in 1976. Today, we are regarded as the specialist in soil structure. With an exceptional range of solutions. Ours is the largest front-implement programme in Europe. Our implements are among the most intelligent and innovative on the market. Last but not least, they incorporate more than 30 years of development know-how. To the benefit of your soils. And your yields. And most of all: you.

**1978** *New, and quite simply, revolutionary – the first roller ring from Güttnler is patented internationally, many times over.*



**1984** *Now without spokes – the prisma rings get their key-like form. With some models four-sided axles are introduced, which drive all of the roller rings.*



**1993** *The second generation of the Güttnler prisma rollers is patented, with progressively rounded depressions in the rings (patent pending).*





## THE ROLLERS WITH THE "GOLDEN HOOVES"

THE ORIGINAL / DESIGNED BY GÜTTLER

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1995



Almost 50% less weight and yet enormously stable - the success story of the prisma rings made from light but robust Synthetic Ultra begins.

1999



Two halves and 56 cm diameter - the new large prisma rings are distributed. Intelligent and easy to repair (patent pending).

# SELF-CLEANING GÜTTLER PRISMA ROLLERS



It is well known as the roller with the golden hooves. Or alternatively: the roller with the sheep's foot effect. Because 305 prisma points per square metre have the same effect as a passing flock of sheep. For pasturage, this means a denser turf and assured subsequent reseeding – a genuinely ideal soil structure in the field.

# SOIL STRUCTURE – THE FOUNDATION FOR VIGOROUS STOCKS. FOR HIGHER YIELDS.

Soil is life. It produces food and forage as well as renewable materials. Soils absorb important nutrients; they clean and store water. They are one of the biggest stores of carbons in the world. And they count among the most important non-reproducible resources in agriculture.

Soil protection is therefore one of the most significant overarching challenges\*. The maintenance of an intact soil structure makes a decisive contribution in this respect. And that is why we have made Güttler prisma rollers with the golden hooves.

## How are you going to save deep-frozen winter seeds?

The continental winter? For agriculture, this is increasingly a complex interplay of freezing by night and thawing by day. The consequence: as a result of alternating frosts, the topsoil is driven up, and with it the winter seeds. The roots lose contact with the soil and the plants die of thirst. The best way to counter this is gently rolling over the seedlings. This offers several advantages at the same time. Soil contact is re-established. The earth is better aerated. Tillage is stimulated. And, in addition, capillary action is broken – which means that valuable winter moisture is maintained.

## Cambridge vs. Güttler Roller.



## What does the ideal seed bed look like?

Underneath, a firm earth to the water-bearing seed depth; above, a loose, crumbly soil structure that protects against drift, for good aeration and rapid warming of the soil: this is the blueprint for an ideal seed bed. It assures the best crop emergence, revitalized stocks and high yields. It is the blueprint that you can realize to 100% with the Güttler roller.

## Tillage without permanent frost?

Climate change does not afflict winter seeding alone. The soil also misses the absence of permanent frost, because the necessary crumb structure cannot be formed naturally. With the aeration of wet soils and subsequent rolling, healthy soil structure can be re-established.



## What is the best protection against corn borers?

The most important weapon against corn borer attack is the also the easiest, and most environment-friendly, because it works completely without

chemicals. We are talking here about the rolling of crop residues. The more complete, the better. Prisma points well and truly splay the stubble, making it easier for soil bacteria to penetrate, for accelerated rotting.

## What is optimum tillage?

Crumbly, well-aerated and humidified, easily penetrated by roots – this is the ideal condition of a fertile soil. Also known as optimum tillage. The loose upper crumb protects against erosion, capping and moisture loss. Precipitation is rapidly absorbed and drained. The fine, firm under-soil stores moisture. The best conditions for seeds and plants

\* To highlight the significance of the soil, the United Nations has named 2015 the International Year of Soils. The European Union has responded, for example with its Greening Programme

# MEDIANA

Compact, easily steerable and versatile – our sowing rollers take care of optimum air, warmth, water and maintenance in the soil. Ideal for corn, sugar beet, vegetables and rapeseed. For assured germination and vigorous stocks.



Mediana 30



## MEDIANA 18E – 41E

A safe investment for small and medium-sized businesses. The middleweight sowing roller is ideal for single-pass re-compaction of the soil. Fine soil beneath, coarse crumbly soil above: an excellent seed bed for a variety of cultures.

- Self-cleaning Guttler prisma rollers, rigid
- Diameter 33/38 cm
- Robust in grey cast iron or ultra-light in semi-synthetic
- For front, centre and rear attachment
- Can be deployed behind a circular harrow or in combination with seeding implements

Mediana 600



## MEDIANA 270 – 600

Clearly overseeable in spite of its greater breadth, manoeuvrable and ground-hugging: the large Mediana is the all-year implement for land cultivation and pasturage. Versatile application front and rear.

- Self-cleaning Guttler prisma rollers, oscillating
- Diameter 33/38 cm
- Robust in grey cast iron
- Optionally rigid or foldable
- For front and rear attachment and only rear attachment (extendable)
- Can be deployed behind a circular harrow or in combination with seeding implements



## MULTI-TALENTED IN THE FRONT.



*Henning Sudenn, Sudenn GmbH & Co. KG, Varrel, Diepholz District. The contractor has been using a 6 m wide Matador model Güttler prisma roller since 2012.*



### Mediana. Application areas.

Mediana is the roller for single-pass soil re-compaction before or after seeding (front and rear), as an intelligent front weight during seeding, to avoid capping, for the breakout of crusts, stimulating wintered cereal stocks, professional care of pasturage, reseeding and many other applications.

### Technical data.

Type	Working width	Transport width	Weight
Mediana 27 with DPT	2.55 m	2.62 m	621 kg
Mediana 30 with DPT	2.92 m	3.00 m	700 kg
Mediana 560 F. + H.	5.60 m	2.80 m	1,275 kg
Mediana 600 F. + H.	6.00 m	3.00 m	1,365 kg

Other widths on request.

As a contractor I view the bio-gas-boom through eyes that are laughing and crying at the same time: the harvesting areas have been rapidly reduced. Conversely, the precision seeding of corn has increased. In this respect I have always observed that the re-compacting of the seed bed by farmers varies enormously.

For this reason I looked for a front press that I could combine with the eight-rowed precision seeding implement. In tests, the Matador roller from Güttler convinced me. For one thing it replaces the "dead" front ballast on the tractor. For another, thanks to the large ring diameter of the Güttler prisma rollers it achieves an optimal, level seed bed in sandy soil. Even with 10 mm rainfall, after one hour waiting time I can continue with the corn seeding after an hour in our sandy soil.

In everyday use the Matador has blossomed into a true multi-talent. I loan out the roller for reseeding pasture. It is coupled with a built-on seed tank to the rear hydraulics, while Güttler's pasture regenerator is attached to the front hydraulics. In this

way the attachments are well balanced. On flatland, a 120 horsepower tractor with 6 m working width is enough. News about the good results from combining these machines spread fast. I never reckoned with such a high demand for pasture renewal. It additionally enabled me to get new customers.

The Matador roller also proved itself in combating the European corn borer. Combined with the harrow weeder, in 2012 it ran over approximately 500 hectares to tackle the pest. Even when directly compared with a specialist implement for combating the corn borer, the Matador was convincing, delivering equally good results.

# MATADOR

All year-round workload, versatile application, rapid amortization – our heavy self-cleaning field roller will convince you with its enormous lifetime performance. On fields and pasture.



Matador 30



## MATADOR 15 – 41

The Matador is a true multi-talent. With real clout. Usable throughout the year on arable land and pasture. Ideal for small and medium-sized businesses.

- Self-cleaning Gütler prisma rollers, rigid
- Diameter 45/50 cm
- Robust in grey cast iron
- 3-point attachment for front and back
- Can be attached behind a circular harrow or used in combination with an air seeder

Matador 610



## MATADOR 420 – 610

Enormous clout, year-round use, also unsurpassed on soggy soil, rapid amortization and renowned at top agrar\*. Our great multi-talent is the star performer with contractors and large farming businesses.

- Self-cleaning Gütler prisma rollers
- Diameter 45/50 cm
- Robust in grey cast iron
- 3-point attachment for front and back
- Hydraulically foldable

\* top agrar Systemvergleich: Kein Platz für Zünsler! 5/2014





**Arable farming.**

Heavy field rollers are ideal for combating the European corn borer pyralid. Perfect for rolling before or after sowing. As an intelligent front ballast whilst sowing, or whilst establishing catch crops. Or for rolling overwintered seeds in the spring.

**Pasturage & greening.**

Tilling to achieve a good soil texture for reseeding. Rolling grass seeds – these strong multi-talents also amaze with their performance on pasture land. For an intact soil structure, dense swards, healthier fodder and finally: more grass transformed into more milk.

**Technical data.**

Type	Working width	Transport width	Weight
Matador 27	2.57 m	2.65 m	917 kg
Matador 30	2.92 m	3.00 m	1,030 kg
Matador 34	3.33 m	3.45 m	1,238 kg
Matador 41	4.05 m	4.13 m	1,453 kg

Type	Working width	Transport width	Weight
Matador 420	4.18 m	2.50 m	1,700 kg
Matador 460*	4.63 m	2.50 m	1,880 kg
Matador 510	5.06 m	2.50 m	2,050 kg
Matador 560	5.63 m	2.50 m	2,230 kg
Matador 610	6.18 m	2.50 m	2,400 kg

\* If required also with flange-mounted extension to 6.18 m working width

# NO ROOM FOR PYRALID MOTHS!

top agrar put it to the test: Which implements and combinations are best suited to combating corn borer pyralid moths? The results speak doubly for Güttnler.

The European corn borer loves untreated stubble. One of the most important counter-measures is therefore to make this winter habitat as inhospitable as possible. The question that concerned the team of experts: which machine leaves behind the greatest proportion of completely destroyed stalks?

To be up front about it: No implement managed 100%. But there were two clear winners.

“With the most effective machine we measured only 4% intact, 42% partly and 54% completely destroyed stalks. We are talking about the Güttnler front roller Matador with levelling bar and disc harrow.”

The second Güttnler machine in the test also delivered outstanding



top agrar  
May 2014 edition

results with 58% destroyed and 36% half-destroyed stubbles: the GreenMaster 640 combination of tractor, harrow weeder and roller. “The pasturage specialist demonstrated that it was efficient on corn stubble. But only once we had dug everything out and measured. For us one of the surprising winners, which could additionally sow forage rye.”

(By way of comparison: the machines from other manufacturers managed from 11% to a maximum 49% of destroyed stalks. In some cases up to 16% of the stubble remained intact.)



For its system comparison in autumn 2013 top agrar tested nine machines from various manufacturers. But here's what was surprising: the best visible results were sometimes deceptive. Enough intact stubble was left behind, hidden under the surface, for the corn borers.



Mayor 640



OffSet 640 (optionally with FlatSpring)



# MAYOR AND OFFSET

Narrow on-the-spot turns, no friction, good contour hugging. The perfect year-round implement for mid-sized business. On arable fields and pasture.



Offset 640

## MAYOR 640

The Mayor range is distinguished by three roller sections, which ensure good evening-out of field contours in this class.

- Self-cleaning Güttler prisma rollers
- Diameter 45/50 cm
- Robust in grey cast iron, proven over many years
- Drawbar with lower link hitch
- Hydraulically foldable
- Oscillating under-mounted folding hinge with highly mobile cantilevers
- Chassis with wheels, illuminated hazard sign
- Combi implement for GreenSeeder
- Optionally with levelling bar

## NEW: OFFSET 640

Our new range can be optimally combined with a FlatSpring. For even better levelling and crumbling of the soil. And it will win you over in many other respects with its great features.

- Self-cleaning Güttler prisma rollers
- Diameter 45/50 cm
- Robust in grey cast iron
- Drawbar with lower link hitch
- Illumination
- Combi implement for GreenSeeder
- Optionally with FlatSpring



Mayor 640

### Mayor & Offset. Application areas.

Trailer rollers from Güttler were developed for year-round soil management and pasture care. For rolling – before or after sowing. For rolling of winter cereals and catch crops to stimulate tillering. For new seeding or reseeding of pasturage. Moreover, they are extremely well suited for application after plough or cultivator. Or directly on rapeseed stubble.

### Technical data.

Type	Working width	Transport width	Weight
Mayor 640	6.30 m	2.40 m	2,700 kg
Offset 640*	6.30 m	2.40 m	2,940 kg

\* with FlatSpring 3,350 kg

# MASTER AND MAGNUM

They are unsurpassed at ground adaptation. They reliably remove even large stones. These heavy, wide professional class rollers are immensely robust. Safe on public roads. And thus as versatile and flexible as all trailer rollers from Güttnler.



Master 770



## MASTER 640 / 770 / 820 / 940 / 1040

Large professional class roller for a versatile range of applications on both arable land and pasturage. Narrow turning radius - no damage to crops.

- Self-cleaning Güttnler prisma rollers, oscillating
- Diameter 45/50 cm
- Robust in grey cast iron
- 4 or 6 oscillating suspended roller sections
- Drawbar with lower link hitch
- Hydraulically foldable
- Chassis with wheels, illuminated hazard signs
- Master 640 - 820: optionally with FlatSpring
- Master 940: optionally with harrow weeder and sowing implements
- Combi implement for GreenSeeder

Magnum 1240



## MAGNUM 1240

Enormous working width, massive clout - the Magnum is the giant among our Güttnler prisma rollers. The all-year implement for large-scale farming enterprises and contracting work.

- Self-cleaning Güttnler prisma rollers, oscillating
- Diameter 45/50 cm
- Robust in grey cast iron
- 8 oscillating suspended roller sections
- Drawbar with lower link hitch
- Hydraulically foldable
- Chassis with wheels, illuminated hazard signs
- Twin-circuit pneumatic braking system
- Optionally with harrow weeder and sowing implements



**Excellent. Broad scope of application. Contour-hugging.**

Güttler's pendulum frame technology is unique. It enables our implements to follow changes in ground height incredibly closely and it makes them highly resistant to damage even when the ground is extremely stony. These all-year implements are suitable for rolling before and after sowing, for rolling deeply frozen winter seeds and to stimulate germination. They are also ideal for managing pasturage.

**Narrow turning circle. No friction.**

Tight turns and high mobility despite large working widths – a unique advantage of all trailer rollers from Güttler. Danger of a collision with the drawbar? No chance. All roller axles are arranged in a row, so they can be pivoted on the spot. Without friction. And without damaging valuable crops.

**Technical data.**

Type	Working width	Transport width	Weight
Master 640	6.30 m	3.00 m	3,350 kg
Master 770	7.60 m	3.00 m	3,700 kg
Master 820	8.10 m	3.00 m	3,900 kg

Type	Working width	Transport width	Weight
Master 940	9.30 m	3.00 m	4,590 kg
Master 1040	10.40 m	3.00 m	4,950 kg
Magnum 1240	12.30 m	3.00 m	6,250 kg

Other widths on request.

# SIMPLEX GÜTTLER PRISMA ROLLERS

Non-contact scrapers, no lubrication zones in the seed bed – these are the distinguishing features of a superior rear roller. Simplex Güttler prisma rollers have stood the test 10,000 times. In grey cast iron. Or in Synthetic Ultra.

**ALMOST 50 % LIGHTER  
IN SYNTHETIC –  
UNIQUE, WORLDWIDE**

## **Simplex Güttler prisma rollers run on and on. Even on soggy and sticky ground.**

There's no tiresome adjustment of scrapers. Because Simplex Güttler prisma rollers work with no-contact scrapers made from spring steel, which makes them easy to pull, even when the rollers get stuck into highly cohesive soils. An established Güttler patent. As are the rounded depressions in the prisma rings. The seed bed? Also ideal on sticky, cohesive soils: firm below, loose on top. The seed placement depth is not affected, even with tough conditions. A further important advantage: the big weight saving thanks to light Synthetic Ultra.

## **Simplex. Application areas.**

Simplex Güttler prisma rollers are available as rear rollers for all circular harrows on the market. In 45 cm diameter: standard on most soils, also for pack-top seed drills. For very stony soils available in unbreakable spheroid grey cast iron. In 56 cm diameter: for very light soils with limited load capacity, for extremely heavy drill combinations and high speed. Only available as a rear roller in Synthetic Ultra.

## SYNTHETIK ULTRA

Almost 50% lighter than cast iron – Güttler prisma rollers made from Synthetic Ultra significantly reduce the load on tractors, implements and soils. And a powerful innovation in roller technology. Proven for 20 years, also in large-scale enterprises. More than 120,000 roller rings made from this wear-resistant material have already been delivered.

- Ultra-light Güttler prisma rollers
- Fantastically breakage resistant also in heavy-duty applications
- High load capacity, also for semi-mounted drill machines
- Globally unique Güttler innovation



**Simplex Güttler prisma rollers. An intelligent solution for an age-old problem.**



*Scrapers on the tooth packer roller: even when the soil moisture is ideal, soil exerts pressure on the rollers. The machine sticks in the soil, becomes heavy to move and clogs the earth.*

*The solution: contact-free scrapers. Because they cannot get blocked. Simplex Güttler prisma rollers always move freely, enabling fast work, and don't have to be adjusted.*

# LARGE DOUBLE SPRING-TINED HARROWS







Robust spring tines work through the earth. With enormous power. They process stubble, break up heavy earth and ensure the ideal conditions for germination. Without clods. Flat tillage is often the more sensible alternative. Also economically speaking. By comparison with cultivators, our easy-to-pull large double spring-tined harrows cover twice the ground surface. With half the fuel requirement.

# SUPERMAXX<sup>®</sup> 5-ROW

Efficient and good for the soil, economical on fuel and versatile – the flexible all-year implements with levelling harrow allow soils to breathe. Dynamic with high ground coverage.



SuperMaxx<sup>®</sup> 60-5 + Harrow



SuperMaxx<sup>®</sup> 60-5 + RollFix<sup>®</sup> + Sowing machine



## SUPERMAXX<sup>®</sup> 30-5 / 50-5 / 60-5

3.5 or 6 metre working width, can be parked safely while saving space – the 5-row large double spring-tined harrows are really big when it comes to performance. For deployment throughout the year. Also on soggy or cohesive soils.

- Large double spring-tined harrow without roller
- Depth control via support wheels
- 5-row framework construction for greater passage
- Hydraulic folding
- **NEW:** optionally with sowing machine or with Rollfix<sup>®</sup> (light Simplex roller in robust Synthetic Ultra, re-compaction according to the soil condition adjustable from “none” to “maximum” – patent pending)



More effective eradication of weeds: SuperMaxx<sup>®</sup> digs weeds out of the ground, the harrow releases earth from the roots. The plants dry out.



## FIRST CLASS STUBBLE PROCESSING AT A LOW COST.



John aus Eiken family (Switzerland) with Remo, Hans and Mario from left to right.



### SuperMaxx® 5-row. Application areas.

Large double spring-tined harrows can be used throughout the year. They are ideal in early spring for preparing seed beds and aerating wet, heavy soils. Re-compaction is then effected during seeding. In autumn, they are powerful machines for flattening out stubble, for applying slurry or for efficient eradication of weeds.

### Technical data.

Type	Working width	Transport width	Weight
SuperMaxx® 30-5	3.00 m	3.00 m	760 kg
SuperMaxx® 50-5	5.00 m	2.40 m	1,560 kg
SuperMaxx® 60-5	6.00 m	2.40 m	1,770 kg

Other widths on request.

We placed some high demands on our soil tillage implement. Efficient and high-performance stubble tillage was for us just as important as processing the soil to the desired depth in both moist and dry conditions. With the SuperMaxx® large double spring-tined harrow from Güttnler we found the optimal machine.

The five meter wide machine is a super fit for our 100 horsepower tractor. At 3.5 hectares per hour, the performance is brilliant. We are driving with a working depth of 7 to 15 cm, which we can control precisely using the support wheels. With the even spread of the tines over the five rows the machine never gets clogged, even when working with large straw residues and leaves an even, finely crumbed soil structure.

The concept of working without a trailer is a delight to all three of us. No sticking, little machine weight and very good mechanical weed control. The soil dries out superbly and retains its structure.

After this, with the seeding combination we can work faster and at less depth, thereby saving costs. And what's really great is the narrow transport width (only 2.4 m) and the extremely simple and safe parking position of the machine.

The advantages over a disc harrow or a cultivator are clear: working with the SuperMaxx® also presents no problems. It can be deployed optimally on slopes because there is no materials displacement. In addition it offers better performance with a small tractor. And all of this at a sensational price/performance ratio.

# SUPERMAXX® 7-ROW

Seven rows, gigantic working width and yet easy to pull and manoeuvrable – the powerful semi-mounted implements achieve an enormous throughput. The ideal year-round implements for large farming enterprises.



SuperMaxx® 900-7A + Simplex roller SX 45 Synthetic Ultra



## NEW: SUPERMAXX® 900-7A

Nine-meter working width: the new SuperMaxx® brings greater variability to tillage. Saving on fuels, large-scale, high throughput.

- Large double spring-tined harrow with Simplex 45 cm Synthetic Ultra
- 7-row frame construction with huge throughput
- FlatSpring hydraulically adjustable
- Single-row rear harrow with robust 12 mm double-spring tines, adjustable height and pitch
- Hydraulic folding and transport locking
- Ground coverage of up to 10 hectares per hour

SuperMaxx® 1200-7A



## SUPERMAXX® 1000 – 1200-7A

The giants among double spring-tined harrows. With ten or twelve metres working width. With chassis and air brakes. And despite their size they are impressively manoeuvrable. As are all large double spring-tined harrows from Guttler.

- Large double spring-tined harrow without roller
- 7-row frame construction, huge throughput
- FlatSpring hydraulically adjustable
- Single-row rear harrow with robust 12 mm double-spring tines, adjustable height and pitch
- Hydraulic folding and transport locking
- Ground coverage of up to 12 hectares per hour



*You move an extra 150 tonnes of soil per hectare for every additional centimetre of working depth. The flat tillage also has decisive economic benefits. SuperMaxx® stands for double the surface coverage with half the fuel consumption.*

*Fast and manoeuvrable in operation and on the road. Enormously strong and enduring. Despite their robust construction, SuperMaxx® harrows are astonishingly easy to handle.*

**SuperMaxx® 7-rows. Application areas.**

All-year implements with enormously high area performance – these large harrows put air into soggy soils, provide an intensively crumbly and thoroughly mixed seed bed, quickly bring volunteer grains to germination, effectively deal with weeds, process immense quantities of stubble and plant residues in the soil. All at the perfect working depth. Improving the soil, without clods.

**Technical data.**

Type	Working width	Transport width	Weight
SuperMaxx® 900-7A	9.00 m	3.00 m	6,800 kg
SuperMaxx® 1000-7A	10.00 m	3.00 m	8,350 kg
SuperMaxx® 1200-7A	12.00 m	3.00 m	8,700 kg

Other widths on request.

# SEMI-MOUNTED SEED BED COMBINATION

Level out, loosen, aerate, crumble and re-compact – five working steps in one pass. The powerful heavy seed bed combination is optimal for intensive seed bed preparation, also on heavy soils. And it is so versatile that it can also be used as a field roller.



Feldmeister® LK 45



## FELDMEISTER® LK 30 / LK 45

The flat spring levels out coarse plough furrows. Robust double spring steel tines aerate, crumble and mix in plant residues. The Guttler prisma rollers produces, through compaction, a superb seed bed. Available in two versions: LK 30 with rigid frame, LK 45 hydraulically foldable.

- Self-cleaning Guttler prisma rollers, 45/50 cm diameter
- LK 30 with Matador
- LK 45 hydraulically foldable, with Matador, Duplex® 45 or Simplex 56 as required
- 3-row tines, if required with double-leaf suspension
- Chassis with drawbar
- Optionally with FlatSpring

### Technical data.

Type	Working width	Transport width	Weight
Feldmeister® LK 30	3.00 m	3.00 m	3,135 kg
Feldmeister® LK 45	4.50 m	2.52 m	3,690 kg

Other widths on request.



Feldmeister® LK 30

*The robust narrow tines have proven themselves over many years. They lift up only small amounts of wet soil, stones or plant residues.*

## FRONT IMPLEMENTS - INTELLIGENT LOAD BALANCING.



### **Saves work, time and money!**

*The soggy the soil, the more important it is to till it with a single pass. A second pass is unnecessary!*

**“Agriculture does not need more HP - it needs more IQ.”<sup>1</sup> For example in the effective use of front weight. Often, front-attached implements are the more intelligent alternative. Without overloading the tractor's front axle, they ensure a balanced load on the axles. And at the same time, they provide you with positive performance.**

Frontal loads tend to make the tractor front-heavy. It tracks deeply at the front. A cost-effective solution in place of front implements? Probably not – because one centimetre more track depth means 10% more fuel consumption. And 150 tons of extra soil that the circular harrow must shift per hectare <sup>2</sup>. That is the equivalent of seven full transporter loads.

In many respects, front implements are the more economical alternative. Tractors sink into the ground only minimally and roll along easily. Circular harrows can be adjusted significantly lower. And soil that has already been crumbled and re-compacted in the front does not have to be routinely worked by the circular harrow at the back. With a quality front implement, speed and the area performance can thus be substantially increased. At least one pass is saved.

Front attachments are ideal on heavy soils. And perfect on light soils. Because they always leave behind superb crumbling and re-compaction. For example, in the spring, on overwintered furrows. With flat-adjusted tines the soil is levelled out, without raising soggy soil to the surface. Moreover, because the tractor only tracks minimally into the ground, the circular harrow can be driven very shallow. The soil contact in front of the tractor is perfect for a shallow, even seed placement.

Late in the year, the fewer passes are necessary on wet soils, the better.



### **With frontal weight:**

*Deep tracking. For levelling, the circular harrow must work very deep. The seed bed is loosened unnecessarily deeply. Result: not only is energy squandered, but also the even placement of seeds is made unnecessarily arduous.*

After the plough, front attachments till the soil with just a single pass, which means a better seed bed with less effort. The combination with tined attachments offers high throughput of straw and plant residues.

No track damage is left behind on pre-levelled firm surface, and your back is protected because the tractor provides such a comfortable ride. In conclusion: an active frontal weight is easy on the soil, the tractor and the driver.



<sup>1</sup> Hans Güttler, Dipl.-Wirtschafts-Ing., Managing Director of Güttler GmbH – <sup>2</sup> According to Prof. Dr. Ludwig Volk, Soest University of Applied Sciences

# FRONT PACKERS







Actively working weight instead of dead ballast – our front packers are effective capital in tillage. Without annoyingly stubborn steering. Unbeatable on heavy as well as light soils. Because they protect the soil, they create ideal seeding conditions while saving costs and additional passes.

# AVANT

An amazing all-rounder even on wet, cohesive soils: front packers from the Avant range are modular implements for use throughout the year. With tined attachments across the range, for front or rear attachment.



Avant 45



## AVANT 45

Working widths from 2.50 to 4 metres. Complete with Simplex rollers made from robust cast iron, tined attachments and side plates, across the range. This series has been developed for medium to heavily crumbly soils.

- Front implement with Simplex Gütler prisma rollers, rigid
- Diameter 45 cm (circular harrow speed)
- Cast to be secure against stones and unbreakable
- Robust 3-row spring tine section with high throughput
- Optionally: strengthened spring tines with double leaf for the heaviest soils, hazard sign with illumination

Avant 56



## NEW: AVANT 56 GENERATION 3

For heavy tractors and fast speed: the third generation Avant 56 is designed for light sandy to heavy crumbly soils. Rigid in a working width up to four metres. Hydraulically foldable in working widths up to six metres.

- Front implement with Simplex Gütler prisma rollers
- Diameter 56 cm (fast working speed)
- Cast to be safe against stones and unbreakable; large working widths also in Synthetic Ultra
- Robust 3-row spring tines section, with high throughput
- Hydraulic folding (420 - 610)
- Optionally: strengthened spring tines with double leaf for the heaviest soils, hazard sign with illumination



## MORE EFFICIENT RESTORATION OF PASTURAGE.



Heinfried Sudmann is the CEO of Wiechring-Sudmann KG, Diepholz. The firm keeps around 1,000 dairy cows and has been working with the GreenMaster pasturage combi since 2014 on approximately 400 hectares pasture and arable land.



### Avant. Application areas.

Front packers level, crumble, re-compact. And spare so many passes. For example, after-rolling. With little effort and without needing more tractor power they ensure a better seed bed - in spring as in autumn. With a superbly pre-levelled, crumbly and ready-compacted soil structure.

### Technical data.

Type	Working width	Transport width	Weight
Avant 26-56	2.50 m	2.60 m	1,040 kg
Avant 30-56	2.92 m	3.00 m	1,210 kg
SX 460-56 U	4.54 m	2.70 m	1,500 kg
SX 610-56 U	6.15 m	2.70 m	2,050 kg

Other widths on request.

I learnt about the GreenMaster from Gütler by chance at an agricultural machinery exhibition. The demonstration I saw there already convinced me about the quality of its performance. In just one pass, the machine restored the entire pasturage: harrowing, sowing and rolling.

This also turned out to be the case in practice. In just a single pass we harrow, in order to aerate the turf, place new grass seeds and then roll the whole area. This saves on working hours and fuel. With the 7.5 meter machine we therefore easily cover four hectares per hour at a speed of 10-12 km/h.

In doing so, the machine leaves behind a first class work profile. What's more, with regular regeneration of the pasture we get measurably more milk out of the grass fodder.

In combination with our greening requirements, this year we want to till around 70 hectares of greening with the GreenMaster after the corn harvest, on a trial basis. In addition we use the implement for combating the corn borer. There's just one minor criticism: to park the wide implement it must be folded. That then requires quite a lot of space in the machine store. Otherwise we are entirely satisfied. We have absolutely backed the right horse.



More milk from staple fodder: regular regeneration of the pasturage has paid off.

# DUPLEX®

The Duplex® Güttler prisma rollers works through wet, heavy and extremely heavy soils with poor crumbling. Powerful, untiring and extremely stable.



Duplex® 45



## DUPLEX® 45

45 cm diameter. Unbreakable cast iron. The massive Güttler prisma rollers for medium to heavy crumbling soils in working widths of 1.50 to 4 metres with a rigid frame. Hydraulically foldable for medium to extremely heavy soils in working widths of 4 to 6 metres.

- Front implement with Duplex® Güttler prisma rollers
- Safe against breakages with graphite cast iron
- Extremely robust construction
- Front or rear attachment as required
- Modular system design, which can be retrofitted at any time: spring tine section for cloddy soils, 3-point tower for rear attachment

Duplex® 56



## DUPLEX® 56

Built for heavy tractors and high speeds: the large Duplex® with 56 cm diameter. Rigid, in working widths of 1.50 to 4 metres. For light, sandy to extremely heavy soils hydraulically foldable in working widths of 4 to 6 metres.

- Front implement with Duplex® Güttler prisma rollers
- Safe against breakages with graphite cast iron
- Extremely robust construction
- Front or rear attachment as required
- Modular system design, which can be retrofitted at any time: spring tine section for cloddy soils, 3-point tower for rear attachment



*The self-cleaning Duplex® Gütler prisma rollers give even heavy clay soils a loose crumb structure.*



*The clod-buster.*

**Duplex®. Application areas.**

This aggressive front implement can be used flexibly throughout the year. For tillage of sugar beet, corn or vegetables early in the year. For rapeseed or winter cereals in autumn. Some models can also be used with tines at the rear for the preparation of seed beds. The spring tine sections can be added or removed rapidly. The rollers can also be used at any time at the rear, for example for rolling after sowing, on pasturage etc.



*Hydraulic folding - in this way large working widths can be safely transported and parked to save space.*

# IMPLEMENTS FOR THE CARE OF PASTURE



Intelligent machine combinations achieve what are actually five work steps with a single pass: levelling surfaces, aerating the turf, removing old residues, reseeding and closing gaps, restoring seed-soil contact. The result pays off. With little expenditure of effort. And higher fodder production.

# GRASSLAND MANAGEMENT – HEALTHIER FORAGE. MORE PROTEIN. MORE MILK FROM GRASS.

More than plain meadows – pasturage is the basis for providing fodder in dairy and livestock businesses. Effective grassland management therefore has a cash value. Because high forage production reduces the cost of other animal feeds. And high value grass fodder increases animal health and milk output.

The best guarantee for profitable grassland is to set about things consistently. Manure, care, and weeding – these are the three pillars of effective grassland management. They are fixed items in every dairy farmer's calendar. For the technology deployed this means: the more work stages can be combined in a single pass, the more economical the results.

## **First step: stock-check.**

Straight away in the early spring. And repeatedly spread over the vegetation period. The pasturage composition (60-80% grass, 20-40% leguminous species and herbage are the ideal situation) is checked. Is the composition significantly different? Are there potentially weeds or poisonous plants? Or gaps in the sward? Then treatment is required.

## **Close gaps quickly.**

Out-wintering, deep-frozen turf, damage caused by animals, molehills, rodent attacks or damage to the sward caused by vehicles? It doesn't matter. The point is: the gaps must be closed up as quickly as possible. So that grass weeds don't stand a chance. The soil should be well prepared for reseeding. And only lightly moist. Aeration is the first step after the winter. And then: levelling, creating a fine soil as the foundation for seeding. Placement of grass seeds, establishing soil contact, stimulating the old turf for tillering.



*It is best to harrow intensively, gather up in swathes and then collect for removal. 2.5 tonnes of rank meadow grass per hectare is not unusual!*

## **Aerate frequently.**

### **Clean out corrupted stock.**

Not just in the early spring – grassland should be aerated regularly across the entire vegetation period, to stimulate tillage. At the same time, this clears out grass that has died out, moss, rank meadow grass and common panicles. With the combination of pasturage regenerator plus Güttler prisma rollers roller you require very few spring tines – but they must be very robust.

## **Reseed and roll.**

Gaps, but also the aerated turf must be reseeded immediately. The natural seeding potential does not suffice for this purpose. This step can be successful with a single pass: open the soil with the harrow, spread the seed evenly with a pneumatic seeder and "tread" the seeds firmly to the required depth with the Güttler prisma rollers roller. Besides: the ideal time for sowing is precisely also in autumn. Did you know that newly established rye grass is more frost-resistant than the old?



*Rough meadow grass – an aggressive thief of pasturage that is frequently underestimated.*

## **Dethatch rank meadow grass.**

It spreads like lightning – and can make the entire area worthless in no time. So it is important to keep stale smelling undergrasses and common panicles always in check. The first step in doing so: dethatch and dispose of it consistently. Ideally after the second or third cut at the end of August. This won't harm valuable grasses. Their roots are deeper.

## **Manure well.**

Stable dung and slurry are excellent fertilizers – they deliver important nutrients to the pasture. What's decisive is to apply this economical fertilizer in such a way that it does not damage the stock. And at the same time, to ensure that the burden on the environment is kept within narrow limits. A timely thunderstorm can play its part. And so can the even spread and induction of dung and slurry, and the timely removal of incrustations.



*The roller with the golden hooves ensures healthy, dense turf.*

# GREENMASTER

This is the only implement combination in which the roller and harrow can also be deployed separately. The first harrow tackles the rough meadow grass, dethatching it effectively. The versatile machine for pasturage and arable fields, usable throughout the year. And the Nº1 in the top agrar test.\*



GreenMaster 300



## GREENMASTER 250 / 300

Versatile pasturage combi for smaller and medium-sized areas. The Güttler prisma rollers can even be deployed as a front packer.

- Unique 5 in 1 machine combination
- Levelling, aerating, dethatching, sowing and re-compacting in one system
- Variable extension and deployment options
- Self-cleaning Güttler prisma rollers Mediana or Matador
- HarroFlex harrow with robust NonStop 12 mm double spring tines
- Optionally with levelling rail or ripper board (reduces the line distance by half, doubling the number of tines)
- EPS 5 air seeder with 200 l (optionally 410 l) seed tank

GreenMaster 640

Roller and harrow can also be deployed separately



Levelling bar or ripper board according to choice

## GREENMASTER 640 / 770

Four roller sections, unsurpassed tillage, narrow frictionless turning. The harrow can be attached at front or rear: the system with the heavy professional class rollers is the implement of choice for large enterprises and wherever the soil conditions are extreme.

- Unique 5 in 1 machine combination
- Levelling, aerating, dethatching, sowing and re-compacting in one system
- Variable extension and deployment options
- Self-cleaning Güttler prisma rollers Master
- HarroFlex harrow with robust NonStop 12 mm double spring tines
- Optionally with levelling rail or ripper board (reduces the line distance by half, doubling the number of tines)
- EPS 5 air seeder with 660 l seed tank

\* Selected as the best machine in the top agrar system comparison, „No Room for Corn Borers!“ May 2014





*GreenMaster Alpin 300. Also safe on steeply sloping ground with the Metrac.*



*GreenMaster Alpin 600 - for tractors from 100 HP upwards. Also ideal in confined spaces (ditches, hedges, fences).*

## GREENMASTER ALPIN 300 / 600

Balanced weight distribution, lower centre of gravity: the Alpin series is also reliable and safe on steep slopes. The modular 3 metre front/rear combination can be repositioned at any time. GreenMaster 300 as a rear unit with HarroFlex harrow.

- Front and rear combination, secure on sloping ground
- Harrow goes in front, roller and seeder at the rear
- Aeration, dethatching, sowing and re-compacting in a single system
- Variable extension and deployment options
- Self-cleaning Güttler prisma rollers Mediana (30) oder Matador (30) bzw. Matador (610)
- HarroFlex harrow with robust NonStop 12 mm double spring tines
- Optionally with levelling rail or ripper board
- EPS 5 air seeder with 200 l (optionally 410 l) seed tank

### Technical data.

Type	Working width	Transport width	Weight
GreenMaster 250	2.50 m	2.55 m	1,490 kg
GreenMaster 300	3.00 m	3.00 m	1,720 kg
GreenMaster 640	6.00 m	2.40 m	5,430 kg
GreenMaster 770	7.50 m	2.40 m	5,910 kg
GreenMaster Alpin 300	3.00 m	3.00 m	1,720 kg
GreenMaster Alpin 600	6.00 m	2.40 m	4,340 kg

Other widths on request.

# GREENSEEDER

The modular reseeding implement inspires with its intelligent combinations. In medium-sized businesses as well as in communal use. Equipped with HarroFlex across the range – the first harrow to combat rank meadow grasses and common panicles effectively.



*GreenSeeder 600 + Ripperboard*



*Levelling bar or ripper board according to choice*



*Ripperboard*

## GREENSEEDER 600 / 750

Convincing in its power and persuasively low cost to acquire: the economical pasturage reseeding combi. The superb qualities of the harrow and the modular construction principle will convince you. The aggressiveness of the HarroFlex harrow's bite can be adjusted and regulated. With four hand grips the entire machine can be installed in a jiffy. Simple and clever: the anti-tine loss protective device.

- HarroFlex harrow with robust NonStop 12 mm double spring tines
- Optionally with levelling rail or ripper board (patent pending)
- EPS 5 air seeder with 200 l (optionally 410 l) seed tank
- Can be combined with the self-cleaning trailer rollers Mayor, Offset and Master
- Harrow can be attached at the front (without seeder)

## RIPPERBOARD

- Reduces the line distance by half, without adding a centimetre to the machine width (the compact construction is important due to the coupling with heavy rollers)
- Doubling the number of detaching tines, which can be finely adjusted from "none" to "maximum"
- Also suitable for the levelling of molehills
- Can be retrofitted at any time, even when the machine was originally fitted with a levelling bar



*The GreenSeeder 600 and 750 can also be driven as a front attachment (without seeder) if required. And thanks to its modular construction it can be modified to meet changing requirements.*

*Rolling of reseeded areas: either in a separate pass, or if preferred by coupling with one of our trailer rollers.*

**GreenSeeder. Application areas.**

This lucrative series has been designed for pasture maintenance, reseeding and new seeding, aerating and harrowing. Intelligent and extremely practical: the seeding combi can be combined with one of our trailer rollers whenever you like, to create a powerful 5 in 1 machine for use throughout the year.

**Technical data.**

Type	Working width	Transport width	Weight
GreenSeeder 600	6.00 m	2.40 m	1,100 kg
GreenSeeder 750	7.50 m	2.40 m	1,150 kg

Other widths on request.

# GREENING MANAGEMENT – FOR BETTER QUALITY AND YIELDS IN VITICULTURE.

*Dr. Hartl, what do you regard as the particular challenges in viticulture?*

Long term, climate change. But also the fluctuations in the weather throughout the course of a single year, as was the case in 2014, when it was at first extremely dry and then cold and damp.

*How can vintners and fruit farmers respond effectively to these fluctuations?*

The key term here is “greening management”. Flexibility is decisive. Greening management must be customized according to the specific hydrologic balance, the soil and the growth of the grape. Sometimes, several times a year.

*Working with Gütthler and Bodenwerkstatt ertl-aver you developed the GreenManager®. What is innovative about it?*

That this machine can do everything. It is modular in construction and can be applied flexibly. For example, to sow coarse-grained green areas in the centre strip between tramlines, while at the same time cutting back the existing plant cover. Or to sow coarse-grained seeds right across

the entire tramline at once. Or to sow just fine-grained seeds or just coarse-grained seeds across the entire width of the tramline. This promotes good emergence and saves on seeds.

*That is certainly on the agenda when there is a sufficient supply of water in the soil. And in dry conditions?*

In that case, the competition from greening should be reduced – by rolling flat, laying down or cutting back. And this without risk of erosion or loss of soil moisture through intensive tillage.

*How did the cooperative development with Gütthler come about?*

We have been working together with Gütthler for years, because this company really lives by the motto “leading in soil structure”. To put it another way: Gütthler’s machines incorporate a lot of “grey matter” per kilo of iron. Without this cooperation our ideas for better machines for flexible greening management would never have become products.



*Dr. Wilfried Hartl has been working since 1980 in plant cultivation and is the director of the Bio Research Institute in Vienna. The expert in soil fertility and greening management in viticulture is the initiator of the development of the GreenManager®.*



GreenManager®





# GREENMANAGER®

Water-regulating greening management and many additional deployment options: our flexible cultivator-roller-harrow combination is the innovative solution for key tasks in viticulture and fruit cultivation.



## NEW: GREENMANAGER®

Establish or reseed green areas. Reduce the competition from green areas. Combined with HarroFlex harrow and/or levelling bar, also ideal for pasturage. For new seeding, maintenance and reseeded of turf.

- Modular combi system for flexible greening management
- Viticulture cultivator with six cutting discs
- Self-cleaning Gütler prisma rollers Mediana in grey cast iron or light semi-synthetic
- EPS 5 air seeder with 200 l (optionally 410 l) seed tank, split



*By applying targeted crop establishment with GreenManager®, competition in the vineyard is carefully managed, according to the climatic conditions and precipitation volumes.*

*The modular system: all components are self-contained three-point attachments and can be individually deployed as and when required.*

### Technical data.

Type	Working width	Transport width	Weight
GreenManager® 15	1.50 m	1.50 m	650 kg

Other widths on request.



# SERVICE – AS RELIABLE AS OUR MACHINES.



**What soils? Which crops? What opportunities? Which machines? It is good to know that there are reliable answers. From Güttnler in Germany. In Europe. And on (almost) every continent in the world.**

Service from Güttnler is founded on providing the best advice. Why is this so important to us? Because the best machine in the world is only any good if it meets your particular needs. Knowledge and experience from more than 60 years have established us as the proven experts in soil structure and agricultural technology. We are delighted to share this know-how. Profit from it.

**Wherever there are fields and pasture, you will find Güttnler.**

Our machines are high quality, premium products. Proven on hundreds of thousands of hectares of arable land, pasturage and row crops. On light, sandy, stony, heavy and clay soils. Ten, twenty years – and often more. Why then is service necessary at all? Because, despite the robust construction of our Güttnler prisma rollers and machines, some things just don't run so smoothly. So it is good to know that Güttnler is close at hand. For this reason, we have extended our close-knit service and sales network. In Germany, across Europe, in the USA, in Japan and New Zealand. So that we can help you further, whenever you need us. And fast!



*Our field service experts are there, wherever you are. Experienced consultants in all matters concerning soils and the very best in tillage technology.*



*They will also let you know which agricultural machinery specialist dealer in your neighbourhood is the sales representative for Gütler.*

