KÖCKERLING

Total over view leaflet



Technology I Experience I Innovation

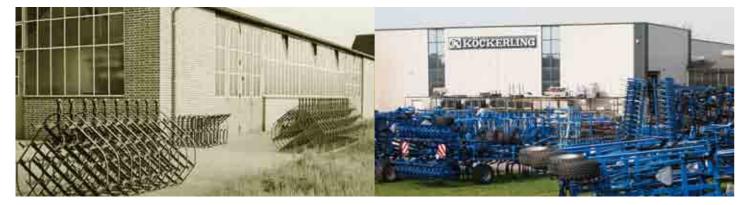
In 1955 the KÖCKERLING Bros Heinrich and Friedrich laid the foundations tradition of skilled craftsmanship, years of experience in tillage equipment for an industrial production of soil working machines in east Westphalia and a good understanding of solutions to tillage problems is a good basis (near Gütersloh/Bielefeld).

duced. In the last 15 years KÖCKERLING have specialised in producing tion and service support from KÖCKERLING is the basis for the partnership machines for ploughless farming. From the beginning the success of the with Machinery Dealers. company has been the close contact with farmers and practical farming. A

for the future.

In the beginning seed combinations and rotary cultivators were being pro- Customer orientated thinking and the ability to provide customer satisfac-





Our target: Satisfied Customers



Long years of experience, technical know how and personal contact - the aim of all of the KÖCKERLING personnel. Product Development, Construction, Production and Assembly through to Accounts and Marketing have one target = The Production of effective machines for modern Agriculture and satisfied customers.



High Quality parts for effective machines



First class service from





For the production of all machines only material of the highest quality has been used. For the frame, hot drawn box section 100 x 100 x 8mm and 120 x 120 x 8 mm is used. All the parts used by KÖCKER-LING are of the highest quality material.

a basic fundamental consultancy, a reliable wearing parts supply, an effective Service department, a personal business partner, that can offer the best possible support.



ALLROUNDER classic - The cultivator

The technical data

- 3-point mounting - Strong frame - Various rollers

- Optional trailed transport kit

- Working width from 3,00 m to 6,00 m

Working width
Transport width
Number of tines
Tine spacing
Under frame clearance
Weight
Length
Roller
Levelling
Following Harrow
Lights
Power requirement

The universal cultivator

seed-bed and secondary stubble cultivation.

The ALLROUNDER can work the whole year undertaking different tasks:

- In spring for producing seedbeds on ploughed land
- In the autumn for secondary stubble cultivation

- and for an intermediate pass to take out weed seeds.

even seedbed. In the spring the goose foot point works shallow. The soil and low diesel consumption of 4.5 litre per hectare makes the ALLROUNDis aerated but worked very shallow, allowing quick drying. The STS roller ER a very practical machine. The high under frame clearance of 60 cm deliwith following harrow produces a good reconsolidation of the moved soil vers block free working. The strong Hercules tines 70 x 12 mm guarantee a with an optimum crumbly finish, ideal for the seed. Whether for sugar beet, long working life even in dry conditions or stony ground.

The ALLROUNDER is, as the name indicates, a very universal machine for maize or cereals - the ALLROUNDER guarantees easy moving and fine soil in one pass, so that the "weather window" can be best used. Further activities, where the ALLROUNDER excels, include slurry incorporation, working green manure and fast aeration of the soil.

Also, working the stale seedbed, the ALLROUNDER produces fine work after the deeper stubble cultivator for a secondary stubble cultivation, working The hydraulic levelboard is a critical and valuable tool when producing an the straw more evenly into the soil and removing weeds. The high output





3,00 m	4,00 m	5,00 m	6,00 m
3,00 m	2,70 m	2,70 m	2,70 m
21	25	33	39
15 cm	15 cm	15 cm	15 cm
60 cm	60 cm	60 cm	60 cm
900 kg	1.280 kg	1.505 kg	1.780 kg
3,50 m	3,50 m	3,50 m	3,50 m
	m / Double – crum mm Tube-bar cr		
Hydr. Levelboard	d, levellers		
13 mm	13 mm	13 mm	13 mm
Option	Option	Option	Option
80 HP	100 HP	120 HP	140 HP

ALLROUNDER profiline

Allrounder profiline 600 / 750

The ALLROUNDER 600/750 - profiline- is equipped with a double STS rol- roller. For safe road transport the folding wings reduce the width to 3.00 m. ler, an integrated transport arrangement and a massive tine frame. The working depth is controlled by the front support wheels and the rear double STS

The technical data

	ALLROUNDE	R -profiline-	
Working width	6,00 m	7,50 m	
Transport width	3,00 m	3,00 m	
Number of tines	36	44	
Tine spacing	16,70 cm	16,70 cm	
Under frame clearance	60 cm	60 cm	
Weight	4.600 kg	5.400 kg	2
Length	7,30 m - 7,80	m	
Roller	Double STS -	roller 530 mm	
Levelling	Hydr. Levelbo	ard	
Following Harrow	13 mm	13 mm	
Power requirement	180 HP	220 HP	- F.L.
000	radone y		

Allrounder profiline 900 / 1200 /1450

The ALLROUNDER 900/1200 and 1450 - profiline- is equipped with a double STS roller, an integrated transport arrangement and a massive tine frame. The working depth is controlled by the front support wheels and the rear double STS roller. For safe road transport the double folding wings reduce the width to 3.10 m.

	ALLROUNE	DER -profiline	
Working width	9,00 m	12,00 m	14,50 m
Transport width	3,00 m	3,10 m	3,00 m
Number of tines	54	72	86
Tine spacing	16,70 cm	16,70 cm	16,70 cm
Under frame clearance	60 cm	60 cm	60 cm
Weight	7.000 kg	8.650 kg	10.350 kg
Length	8,50 m - 9,	00 m	
Roller	Double STS	6 – roller 530	mm
Levelling	Hydr. Leve	lboard	
Following Harrow	13 mm	13 mm	13 mm
Power requirement	250 HP	300 HP	360 HP





TRIO - The stubble cultivator

The TRIO stubble cultivator is targeted at the smaller and medium sized farms with tractors from 100 – 160 HP and is three-point linkage mounted

The first stubble working is usually shallow so the volunteers and weed that the friction between the soil in the ring and the soil in the field keeps the seeds are not buried deep. At the same time the capillary structure is bro- roller turning and creating an optimum reconsolidation effect. ken restricting the drying out process. The TRIO is equipped with winged In particular the STS roller allows working in damp conditions in spring and points to move all the ground at shallow depths so that straw and stubble is late autumn. The height adjustable following harrow, which is integrated properly mixed. For very dry conditions and shallow working KÖCKERLING with the STS roller, is a very useful tool. It leaves an improved straw mioffers the TOP-MIX goose foot point.

and for further working in the straw and stubble. This way the following the coils spring but equipped with a shear bolt protection is available. The crop has the best germination conditions. For deep work the wing is removed. Now the TOP-MIX point works at 80 mm wide with the soil guide for Europe. The coil spring protection system is supported with a replaceable the optimum mixing effect. The height adjustable spring sweeper leveller Polyamid block. Even in details KÖCKERLING place great importance in the evens out the ridges left by the tines and is not affected by stones. The quality. The three point linkage attachment points are made from special result: low wear costs. The following STS roller is an original from KÖCKER- steel that hinders hole wear. LING, and is now used all over Europe. The ,U' profile rings fill with soil so

xing and an even fine finish. The stone protection utilises coil springs and Second working can go down to 25 cm perhaps for rape to aerate the soil is standard equipment. For lighter and stone free soils the TRIO without



	TRI0		TRIO light (ab 59 kW)
Working width	3,00 m	4,00 m	3,00 m	4,00 m
Transport width	3,00 m	3,00 m	3,00 m	3,00 m
Number of tines	10	13	10 13	
Tine spacing	30 cm	30 cm	30 cm	30 cm
Under frame clearance	85 cm	85 cm	85 cm	85 cm
Weight	1.670 kg	2.500 kg	1.270 kg	1.630 kg
Length	4,00 m	4,00 m	4,00 m	4,00 m
Roller	STS - rolle Double ST	r 530 mm S – roller 530 m	Tube-bar-cr	rumbler
Levelling	Sweeper le	veller	Sweeper lev	veller
Following Harrow	13 mm	13 mm	13 mm	13 mm
Power requirement	100 HP	140 HP	100 HP	140 HP

Trio

The stubble cultivator with hydraulic depth adjustment.





TRIO 400T - The stubble cultivator

Machine refinements

- Optimal mixing effect
- Robust frame construction
- Ideal reconsolidation
- Excellent levelling

	TRIO 400T
Working width	4,00 m
Transport width	3,00 m
Number of tines	13
Tine spacing	30 cm
Under frame clearance	85 cm
Weight	4.300 kg
Length	7,50 m
Roller	Double STS roller 530 mm
Levelling	Sweeper leveller
Following Harrow	13 mm
Power requirement	180 HP

The 3 bar stubble cultivator with integrated transport wheels

With the swing to sowing into stale seed beds and direct drilling the de- sequently the optimum stale seed bed. The TRIO stubble cultivator produmands of stubble cultivation has increased. As more of the post harvest ces a finish that suites the new sown crop. This is especially true in heavy residues are lying on the surface the straw mixing and the distribution has straw crops. The double STS roller provides excellent reconsolidation. The become a key issue for a successful subsequent crop. By comparison with integrated transport wheels reduce the headland compaction and deliver a earlier cultivators the TRIO 3 bar cultivator produces a finer finish and con-tight turning circle.





The Technical Data

QUADRO - Stubble Cultivator

The 4 bar universal cultivator for shallow stubble cultivation and deep soil loosening

The name QUADRO identifies the four bar cultivator series in the KÖCKER- The front depth wheels are mounted out wide to limit side ways movement. LING program. The quality of the straw working and the straw distribution A particular advantage on the 4.0m and the 4.6m models is the ability to is dependent on the number and distribution of the tines. Basically the more work with the wings folded at 3.0m To achieve this, the front depth wheels tines the better the work, however the layout of the tines must also produce are mounted on the centre section of the machine. When the tractor power block free working. The QUADRO series is equipped with hydraulic trans- is too small for deep working the 3.0m centre section compensates for port wheels, which make road transport, and turning on the headlands fast the lack of power. When working shallow the 320 mm wings points or the and reliable. The working depth of the QUADRO is between 5 - 30 cm. This goosefoot points are used. allows the machine to work shallow when working in straw and deeper to The wings are removed when working deep utilising the point and the soil loosen the soil. The QUADRO is equipped with stone-protected TOP-MIX guides. In practice when working deeper than 20 cm the wear cost and the tines. The huge front depth wheels adjust the depth and the double STS diesel usage are proportionally higher. roller mounted at the rear. This way an even working depth is guaranteed.



The technical data

Working width	3,00 m	4,00 m	4,60 m	5,70 m
Transport width	3,00 m	3,00 m	3,00 m	3,00 m
Number of tines	11	15	17	21
Tine spacing	27 cm	27 cm	27 cm	27 cm
Weight	3.300 kg	5.000 kg	5.300 kg	5.800 kg
Length	7,00 m	7,00 m	7,00 m	7,00 m
Under frame clearance	85 cm	85 cm	85 cm	85 cm
Tine bar spacing	70/80/70 cm	70/80/70 cm	70/80/70 cm	70/80/70 cm
Frame material	100 x 100 x 8 mm	100 x 100 x 8 mm	100 x 100 x 8 mm	100 x 100 x 8 mm
Tines / Points	TOPMIX-tine width or a 320 mm goose	80 mm point and a 35 foot point	0 mm wing	
Levellers		ng steel sweeper leveller in any ridges at the side te the levelling		
Roller	Double STS roller 5	30 mm		
Lights	Standard	Standard	Standard	Standard
Optional	Following harrow 13mm, hillside disc, air or hydraulic brakes			
Power requirement	140 HP	170 HP	190 HP	240 HP

The targets of stubble working are: The double STS roller has proven value over many years. During work the Even straw distribution, the creation of a homogeneous stale seedbed, soil open rings fill with soil so that the friction between the soil in the rings aeration for the following crop and a good reconsolidation. and the soil in the field keep the roller turning (Soil to soil). This way the Other technical requirements are: surface is not to finely worked causing capping in times of heavy rain fall. A strong frame with a long working life, a robust and safe stone protection The spring loaded following harrow completes the straw distribution and the final levelling.

for the hardest conditions, the ability to work shallow and to work deep, low wear costs on hinge points and a reliable work quality even in damp conditions.

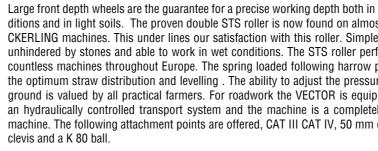


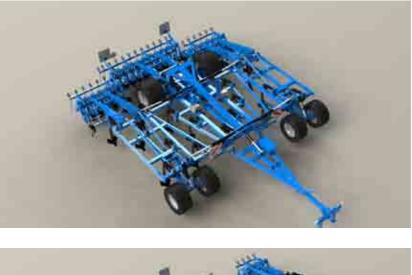
VECTOR - The stale seedbed cultivator

The 4 bar stale seedbed cultivator for shallow working and for deep soil loosening.

The VECTOR stale seed-bed cultivator is the consequence of further deve- Advantage of the VECTOR: The working width can be altered e.g. from 4.60 lopment of the QUADRO for professional farmers with up to 600 HP The key to the VECTOR is the Easy Shift' depth control which allows the job to remove the outer wing by undoing bolts. This way the VECTOR can be depth to be varied in work without stopping and without leaving the tractor. adapted to suit power availability and field conditions. The new tine design It allows infinitely variable depth control from the tractor seat ensuring the used on the VECTOR increases the under frame clearance and allows woroptimum work depth whole to make is achieved all over the field. The driver king down to 30 cm. As with the QUADRO the Top-Mix points can quickly be can choose the best depth whether in sand or in wet areas or on clay. Whe- adapted to suit the chosen work. The Top-Mix soil guide reduces blockages ther on packed or weedy headlands, or on deep tramlines, or through straw and improves the mixing effect in particularly heavy straw such as triticale, heaps, the driver can select the appropriate working depth. By using "his rye or after grain maize. eye" the driver can maintain the best working depth.

m to 6.20 m, the 5.70 m to 8.00 m and the 7.00 m to 9.00 m. It is a simple











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Working width	4,60 m
Transport width	3,00 m
Number of tines	17
Tine spacing	27 cm
Weight	5.950 kg
Power requirement	200 HP

Working width	6,20 m
Transport width	3,00 m
Number of tines	23
Tine spacing	27 cm
Weight	7.400 kg
Power requirement	240 HP

Working width	5,70 m
Transport width	3,00 m
Number of tines	21
Tine spacing	27 cm
Weight	6.850 kg
Power requirement	260 HP

Working width	8,00 m
Transport width	3,00 m
Number of tines	29
Tine spacing	27 cm
Weight	8.430 kg
Power requirement	350 HP

Working width	7,00 m
Transport width	3,00 m
Number of tines	25
Tine spacing	27 cm
Weight	8.160 kg
Power requirement	350 HP

Working width	9,00 m
Transport width	3,00 m
Number of tines	33
Tine spacing	27 cm
Weight	9.710 kg
Power requirement	450 HP

VARIO - The stale seedbed cultivator

8 tine bars for maximum working quality

The name PRECISION CULTIVATOR stands for the hydraulically adjustable further wear, this reduces the wear costs and on the PRECISION CULTIVA-8 bar cultivator from KÖCKERLING. It is the flagship of the KÖCKERLING TOR the operating costs are low. The 8 bar PRECISON CULTIVATOR has range and is the machine for professional arable farmers.

is unbeatable. Soil and straw is carried in the PRECISION CULTIVATOR for produces the right conditions for all soil types and following crops. many meters producing the optimum mix and even distribution.

nance free due to the vibration which works any blockages free. There are It is irrelevant whether working on weedy headlands or on wet patches the two point options; 100 mm and 60 mm chisel points. The point is chosen working depth can be quickly altered to suit changing conditions. to suit the working depth. They are reversible and can be moved down for

been available for many years and is particularly valued. The PRECISION With a length of 8.00m and a tine spacing of 130 mm the quality of work CULTIVATOR is used for primary and secondary stubble cultivations and The working depth can be varied on the move from the tractor driver's seat;

The heavy leaf spring tines work is unaffected by stones and are mainte- this means that the optimum working depth is achieved all over the field.

The technical data

The initial research was carried out in a high straw area of approximately 12 tons per hectare and this is the reason that the PRECISION CULTIVATOR quickly developed as the professional farmers machine for creating a stale seed bed. Particularly producing good results in wet conditions. In these conditions the double STS roller through its robustness, its ability to work in wet and stony conditions leaves the ideal conditions.

Working width	3,00 m	4,00 m	4,80 m	5,70 m	7,50 m
Transport width	3,00 m	3,00 m	3,00 m	3,00 m	3,00 m
Number of tines	23	31	37	43	57
Tine spacing	13 cm	13 cm	13 cm	13 cm	13 cm
Weight	4.450 kg	5.910 kg	6.880 kg	7.210 kg	10.020 kg
Length	9,50 -10,0 m	9,50 -10,0 m	9,50 -10,0 m	9,50 -10,0 m	10,30 -10,80 m
Roller	Double STS roller 530 mm				
Levelling	Levelboard				
Following Harrow	13 mm	13 mm	13 mm	13 mm	13 mm
· · ··································					





TRACTION POWER KIT

Operating mode: Traction power kit contains bracket for drawbar, support and hydraulic cylinder. The bracket is mounted on top of lower link attach-ment and connected with centre of drawbar by support. Link between trac-tor and traction power kit is given by hydraulic cylinder, which needs one deuble hedraulic power kit is given by hydraulic cylinder, which needs one double hydraulic valve.

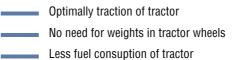
While working, pressure is given to hydraulic cylinder of traction power kit. It is important, that hydraulic cylinder is constantly delivered with 5-10 ltr per min. That is for compensating different conditions on fields, as depres-

tees optimum performance or traction power kit.





Benefits:







While working, the power traction kit gives additional weight from machine to rear

PWA - The Polygonring-roller

2 row - offset allows that resedues pass easily
Constant reconsolidation with hydraulic pressure to outer wings
Best self clearance by 2 row construction
Optimum crushing of soil by rings
Can be used even without cultivator for additional reconsolidation
PWA can be delivered with working width of 5.00 m, 6.40 m, 6.80 m and 8.20 m.

PWA 500/680 can be enlarged from 5.00 m to 6.80 m working width and PWA 640/820 can be enlarged from 6.40 m to 8.20 m working width.

PWA is combineable with: Allrounder 600/750, Quadro 400-570, Vector 460-800, Vario 400-750 and Rebell classic T 500-800



Technical data

Type of machine	500/680		640/820	
Basic machine	5,00 m		6,40 m	
with extension		6,80 m		8,20 m
Working width	5,00 m	6,80 m	6,40 m	8,20 m
Number of rings	55	75	71	91
Spacing between rings	11 cm	11 cm	11 cm	11 cm
Diameter of rings	540 mm	540 mm	540 mm	540 mm
Weight	3.000 kg	3.650 kg	3.490 kg	4.140 kg
Length (transport)	6,20 m	6,20 m	7,20 m	7,20 m
Hight (transport)	2,62 m	3,35 m	3,20 m	3,93 m
Width (transport)	2,90 m	2,90 m	2,90 m	2,90 m
Maximum speed	30 (km/h)	40 (km/h)	40 (km/h)	40 (km/h)



REBELL classic | **REBELL** classic T

Compact disc harrow

REBELL classic is the new compact disc harrow of Koeckerling. This in-novative machine is build very compactly with solid materials and ensures use under nearly every condition. REBELL classic is designed for working in stubble directly after harvesting, but also for seedbed preparation and on



	Rebell classic			500 T	600 T	800 T
Working width	3,00 m	4,10 m	5,20 m	5,00 m	6,00 m	7,80 m
Weight	1.490 kg	2.580 kg	2.980 kg	5.060 kg	5.410 kg	6.300 kg
Power requirement	min. 110 HP	min. 150 HP	min. 180 HP	min. 160 HP	min. 180 HP	min. 220 HP
Spacing between discs	130 mm			130 mm		
Diameter of disc	510 mm			510 mm		
Cutting angle / Penetration angle	16 / 7 °			16 / 16 °		
Number of discs (510 mm x 5 mm)	22 pcs.	34 pcs.	42 pcs.	42 pcs.	50 pcs.	62 pcs.
Protection against stones	Laminated spring, 90 x 13 mm		Laminated spring,	90 x 13 mm		
Roller	DSTS-roller, 530 mm Ø		DSTS-roller, 530 ı	mm Ø		





REBELL - The short-disc harrow

The great disc harrow for maximum results

The REBELL meets all requirements of a modern disc harrow:

- ... the optimum insertion of big quantities of straw during the stubble processing with 620 mm discs. In addition to that the REBELL provides an excellent re-consolidation and favours thus a quick germination of weeds.
- ... various possible applications. The REBELL achieves not only an efficient stubble cultivation, also the seed bed preparation after plugh and the insertion of catch crops before the drilling is done with vigour.
- ... the solid construction of this machine. The high weight of more than 8.000 kg makes the penetration of the tools into the soil in any condition possible. The residues on the surface is reliably cut and inserted.
- ... maintenance costs. Each retraptable parts of the REBELL are equipped with the lockpin-system. The discs are suspended with triply sealed, unattended two-row taper roller bearings.



Important advantages

- Little susceptibility to damage
- High working speed
- Optimum insertion into the soil through the disc construction
- Best re-consolidation with the big DSTS-roller
- Hydraulic, Easy Shift control



Worki

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Power

Transp

Transp

Nheel

ng width	5,00 m	6,00 m	8,00 m
ter of disc	620 mm	620 mm	620 mm
pacing	150 mm	150 mm	150 mm
er of discs	32	40	52
t	7.960 kg	8.840 kg	10.230 kg
requirement	min 220 HP	min 250 HP	min 300 HP
port width	2,99 m	2,99 m	2,99 m
oort high	3,20 m	3,70 m	3,99 m
	Double STS rolle	r 620 mm	

VITU - New disc drill for precise seeding

always the right choice and fits to every arable farming strategy. For mee- delivers fertilizer with disc coulters directly in front of the wheel packer. ting your demands, VITU is equipped with a two row compact disc harrow, The hopper for this type of machine is divided into two sections and is a strong level board, two row wheel packer and new double-disc-coulters. equipped with two hydraulically driven metering units. For changing wor-This allows VITU to place seed extrem precisely in right position on your king depth of VITU without leaving tractor, Koeckerling uses an electrofields, even with drilling at high working speed. For placing fertilizer next hydraulic-depth-control.

Whether for seeding on ploughed fields, or seeding in min-till areas. Vitu is to seed in just one step, Koeckerling offers VITU - Combi. VITU- Combi



Technical data

Working width	3,00 m*	4,00 m*	6,00 m
Diameter of discs	450 mm	450 mm	450 mm
Spacing between discs	136 mm	133 mm	143 mm
Number of discs	22	30	42
Weight	4.410 kg	6.230 kg	7.950 kg Single hopper 8.300 kg Double hopper
Transport width	3,00 m	3,00 m	3,00 m
Number of disc - coulters (fertilizer)			21 (only VITU-Combi)
Number of wheels	11	15	21
Number of double disc coulters (seed)	22	30	42
Hopper capacity	2800	2800	Single hopper 3700 I Double hopper 4300 I
Lower link shaft	Kat III or IV	Kat III or IV	Kat III or IV

* unavailable for VITU-Combi



JOCKEY 600 - The Tine Drill

Reliable seed placement is achieved even at high speeds. The drill is hydraulically driven via a pump. The speed is monitored by radar. This allows increased or reduced seed rates as conditions dictate at the push of a button.

The easy pulling and powerful drill for the modern arable farmer

Many modern universal drills require high horse powers due to their high easy to pull and requires low diesel consumption and can operate on plougweight leading to high diesel consumption making them costly to run. The JOCKEY 600 is opposite this due to its compact and simple design. It is





Working width	6,00 m
Transport width	3,00 m
Number of sowing elements	36
Row widths	166 mm
Under frame clearance	60 cm
Seed hopper capacity	2800 ltr
Lower link attachment	CAT III
Weight	5.750 kg
Power requirement	180 HP

ULTIMA CS - The universal seed drill

The universal drill for professional farmers

The universal drill ULTIMA CS (produced by KÖCKERLING) is known for Precise seed placement with tines. high performance in all conditions. For many years the ULTIMS CS drill A pre-press wheel in front of the sowing element follows the ground conhas been used by professional farmers sowing cereals, rape, beans, peas tours. The sowing element consistently puts the seed in the ground at the or maize. Excellent yields and low operating costs making this drill suitable selected depth. The depth can be changed quickly and simply. All sowing over all. The ULTIMA CS is a compact, high output drill with working widths elements are linked hydraulically. When encountering a stone the tine can of 3.00 m, 4.00 m and 6.00 m.

Large seed tank

A new shape seed tank is mounted length ways on the frame. A large tank opening and low height makes for easy filling. The tank has an capacity of 2800 ltr to 3300 ltr.

move over or round the obstruction without damage and without effecting the neighbouring sowing elements.



The advantages of the universal drill ULTIMA CS

- Precise seed depth placement - High working speeds
- Low wear
- Low power requirement and diesel usage
- Sowing area cleared of harvest residue
- No sidewall compaction

High operating comfort

- Seed tank with low loading height and wide opening
- Hydraulic Depth adjustment
- Simple seed rate calibration
- Compact machine with small turning circle



Working width	3,00 m	4,00 m	6,00 m
Transport width	3,00 m	3,00 m	3,00 m
Number of sowing elements	16	22	32
Row spacing	185 mm	185 mm	185 mm
Row width	60 mm	60 mm	60 mm
Seed tank capacity	2800 ltr	2800 Itr	3300 ltr
Weight	4.570 kg	5.720 kg	9.000 kg
Power requirement	150 HP	180 HP	220 HP

ULTIMA 800 - The universal drill

The universal drill for mulch and direct drilling

The ULTIMA 800 offers the professional arable farmer completely diffe- the working depth across the whole drill can be altered from the tractor rent possibilities Whether on ploughed ground through to mulch drilling seat, this allows the right depth to be selected what ever the conditions. The or direct drilling the ULTIMA 800 guarantees an even sowing depth even pre-press wheels in front of the sowing element carry 70% of the machine at high speeds. The sowing depth is controlled by a pre-press wheel that is weight ensuring the sowing elements are working into firm ground. Press, mounted in front of each tine. This guarantees the consistent working depth sow, press. This is the ULTIMA 800 system. Fast and even seed delivery is even on uneven surfaces. The 60 mm wide sowing elements deliver band proof of the sowing quality of the ULTIMA 800. sowing with a spacing of 12.5 cm. The seed is pneumatically delivered into Professional technology for the professional farmer. The specification offethe grove left by the sowing element and it is covered by spring leveller red by the ULITIMA 800 incorporates all the requirements of a modern drill. sweeps, the STS roller reconsolidates the soil and following harrow finishes All functions, fan speed, hopper contents, tramlining, metering wheel, pre the work. Each sowing element is followed by a ring on the STS roller for ex- emergent markers and fan speeds are monitored by sensors. Optionally a act reconsolidation guaranteeing a good capillary action. The working depth seed flow monitor can be supplied. of the sowing element is altered by an hydraulic cylinder. Within seconds

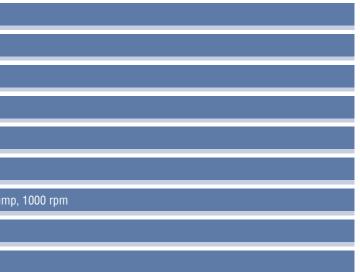


Working width	8,00 m
Transport width	3,00 m
Sowing equipment	44
Seed tank capacity	4000 ltr
Wheels	550/60-22,5
Roller	STS 530 mm
Fan drive	hydraulic pto pu
Weight	11.000 kg
Power requirement	275 HP

on a moist soil. With disc coulters the straw is pressed into







Often a tine drill is criticised for not placing the seed at a the seed drill and the seed is placed on a straw(hair pin precise depth - this is not the case with the ULTIMA 800. effect) in a dry place. There are many farms in Europe that The tine clears the seed drills of straw and places the seed will be pleased to give information about their experiences.

BOXER - New hopper

System for carrying and metering

An ideal machine for entrainment, metering, mixing and delivering seeds and/or fertilizers. The BOXER is trailed to the tractor with a three point linkage. In combination with various machines like cultivators, disc harrows,

A NOOKERIIN

Often the BOXER is used in combination with trailed cultivators. This allows to place fertilizer directly behind the tine in an opened slot, and the seed (e. g. small seeds, rape,...) in front of the roller.



Hopper capacity	2 x 1.450 ltr
Max. output	1,5 kg/ha - 400 kg/ha
Mounting	CAT III
Min. oil pressure	45l/min (direct drive)
Transport width	3,00 m
Weight	1.200 kg

MASTER

Strip till for professional users

The MASTER is a very effective machine for selective aeration of the soil and - Selective aeration of the soil down to 35 cm simultaneous distribution of mineral fertilizer. In combination with a single - Placement of fertilizer depots on two different levels in the aerated soil grain drill you can settle all necessary process steps with one pass:

- Necessary leveling and reconsolidation for an absolutely precise deposition of the seeds

Secured seedgermination

The seeds are precisely distributed on an optimally prepared ground.

Optimal growth of the plants

The selected aeration of the soil effects an improved root growth. They ex- hydration. pand deeper into the soil, therefore the water supply is secured even during High water absorption in heavy rainfalls. dry seasons and the plants can develop in an optimum way.

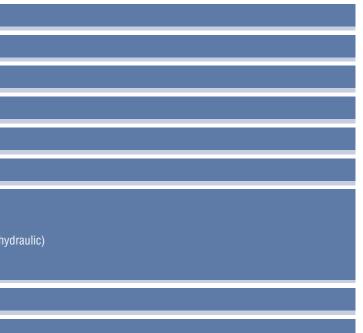
Excellent erosion protection

Between the seed rows remain residues of catch crops, thus the plants are protected from wind and water erosion in their early stage. After heavy rains a good soil structure prevents water and valuable soil from run-off. The organic residues shadow the ground and protect it from an early de-



	5 40 40.00
Working width	5,40 m / 6,00 m
Number of sowing elements	8 / 12 / 20
Row spacing	75 cm / 45 cm / 30 cm
Transport width	3,00 m
Weight	8.070 kg
Power requirement	250 HP
Option	hy. tramline marker Track disc Cutting disc 3-point-linkage at rear (h Levelling discs Fertilizer set of tubes
	BOXER
Tank capacity BOXER	2 x 1.450 ltr





GRASMASTER - The grassland scarifying harrow

The seeding harrow for professionals

Improving grassland requires various work. Opening up the sward in spring aggressive and remove the dead grass, dandelions and other broad leaf together with rolling are ways to raise the grassland quality.

For some years now much has been learnt about the effect of grass scarifying. The GRASMASTER is a special scarifying harrow that removes all old pto shaft ensure a constant and strong flow of air which gives an even seed grass, meadow grass, moss and weeds.

board leveller really works well levelling molehills and breaking clods when down 8 tubes into the tine fields where the vibration of the tines spread the reseeding on ploughed ground to provide a level seed-bed.

The special spring steel harrow tines designed for grassland work are

weeds. All tine fields are supported by a land wheel that permits precise ground contact. A mounted seed drill is an option. The fan is powered by a distribution. This can be difficult to achieve with an electrically driven fan. Molehills are levelled and dry dung pats are shattered. The massive cross The metering wheel is driven by a spoked land wheel, the seed is delivered seed all over the ground.



For many dairy farmers the GRASTMASTER is the optimum machine for grass land maintenance and re-seeding. Increased profits of 15% are not unusual in the first two years. Critical for this effect is the timing of the overseeding operation. Warm damp conditions make the germination more certain. The growth of the new grass is impeded in dry conditions or by late frosts.

The grass varieties are also critical and should match the climate, altitude and be the right mixture for the prevailing conditions.



Working width	3,00 m	6,00 m	
Transport width	3,00 m	3,00 m	
Tine field	2	4	
Tines per field	60	60	
Tine diameter	8 mm	8 mm	
Tine spacing	2,5 cm	2,5 cm	
Weight	820 kg	1.000 kg	
Sowing technology			
Seed tank volume	410 ltr	410 ltr	215 °
Standard Equipment	 PTO driven fan Land wheel metering wheel drive Various meterinmg wheels to suit different seeds Seed tank with 200 ltr capacity Lights hydraulic control of the land wheel 		
Optional equipment	- height adjustable levelboard		

QUALITY is our watchword .



1057 Product overview 1215 GB KÖCKERLING have a policy of continuous product improvement.

 Your dealer:

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