

IMMER EINEN
SCHRITT VORAUS



Adelhelm Landtechnik Maschinenbau



PRODUCT CATALOGUE



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ROLLING WEEDER 2S/3S

The classic tool for a herbicide-free tillage of the vine.

This rolling weeder is used to till the soil along the vine, loosening it and moving it slightly, which greatly inhibits weed growth.

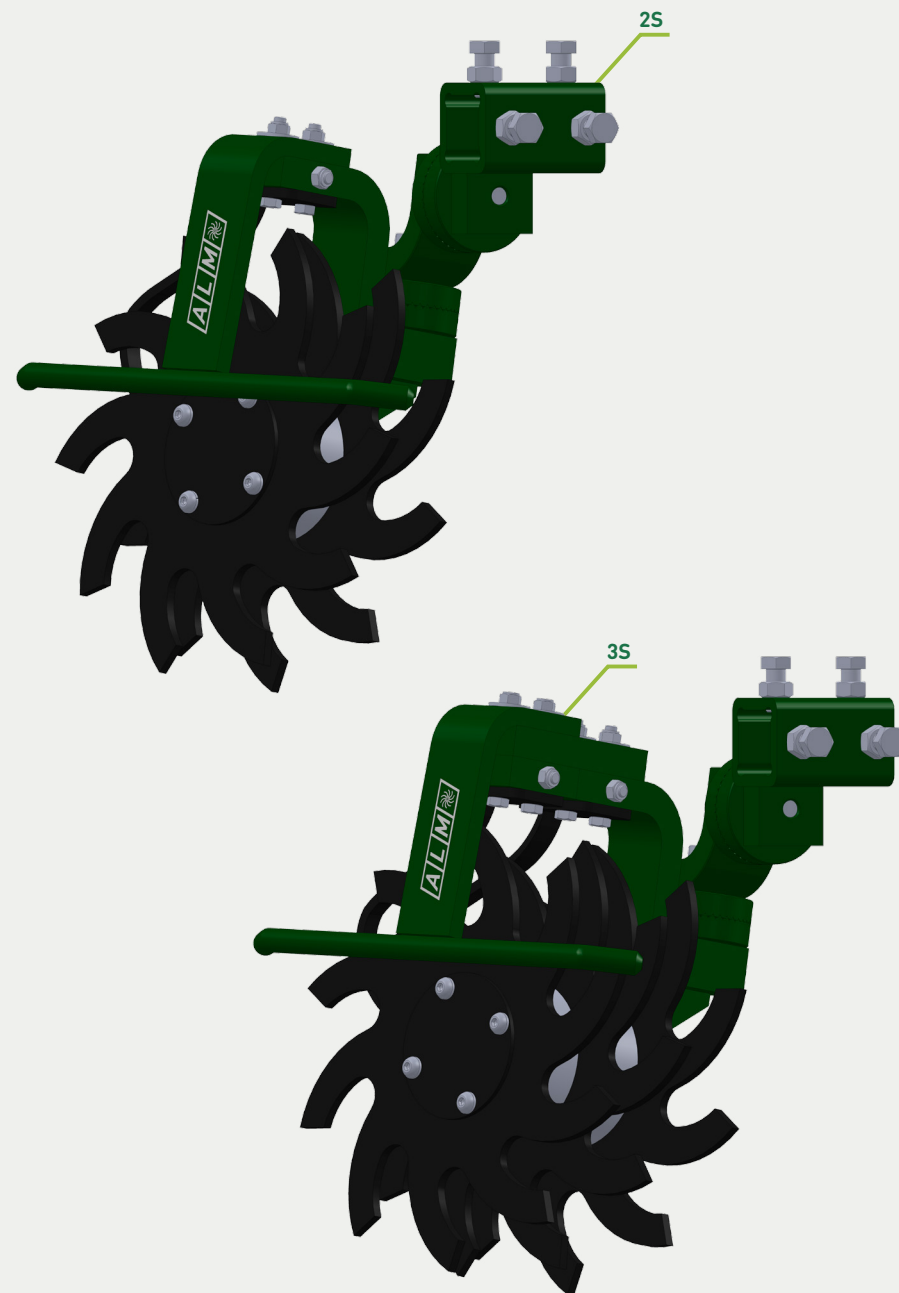
- No need of any herbicides
- No sharply cut processing edge, which reduces the risk of erosion
- Weed growth is severely inhibited
- Little earth movement
- Better infiltration of precipitations due to a roughened surface

YOUR ADVANTAGES WITH ALM EXCLUSIVELY

- Extremely stable construction
- Fits anywhere thanks to a variety of installation adapters
- Each ALM 2S rolling weeder can easily be expanded to 3S
- 8 mm rolling weeder stars made of high-strength special steel
- Stable dust- and waterproof storage with two large angular contact ball bearings
- Backlash-free adjustment of the working angle, horizontally and vertically
- Protection cloth for better separation of weed roots and floor

TECHNICAL DATA

- Working width 2S: 12-15 cm
- Working width 3S: approx. 15-20 cm



DISC PLOUGH

The disc plough is used to till, loosen and move the soil underneath, which severely inhibits the development of weed growth.

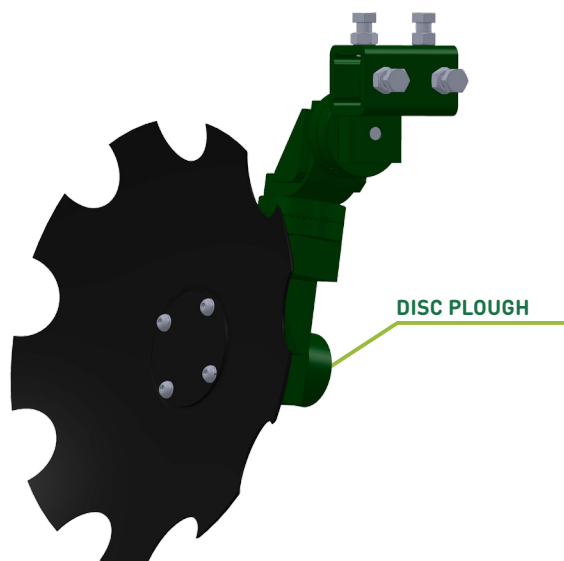
The angle of attack is adjusted using our finely toothed disc. The work angle can be adjusted vertically and horizontally and can therefore be adjusted to different ground structures and driving speeds.

The disc plough can also be used to pile up the vines.

Thanks to the large selection of mounting adapters, the disc plough can be mounted anywhere.

TECHNICAL DATA

Diameter: 460 mm



ROW SWIVEL DEVICE

The row swivel device guarantees clean work around the vine thanks to the precise button technology.

TECHNICAL DATA

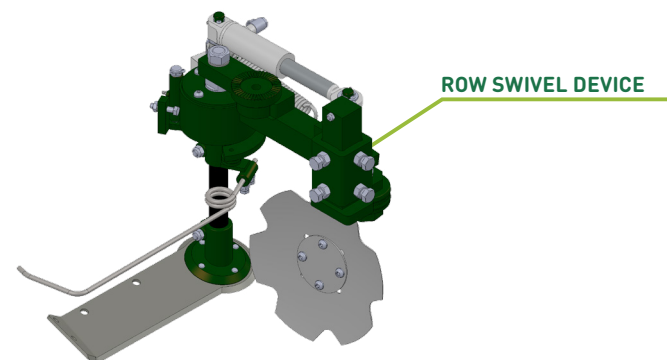
- Control block with adjustable pressure relief valves
- Electromagnetic manual release
- Adjustable sensor bracket
- 350, 450, 500 or 600 mm blade

OIL REQUIREMENTS

- One-sided 12 l/min
- Double-sided 24 l/min

ATTACHMENTS

- Support wheel
- Plough disc
- Pendulum disc coultter
- Rigid handle with blade
- Clearing wing
- Pendulum tiller



FINGER WEEDER

The finger weeder is used for understock cultivation and chops within the plant row. It is the perfect complement to a rotating weeder or disc plough.

ADVANTAGES OF A COMBINATION OF ROLLER AND FINGER WEEDER:

- Finger weeder chops between the rows of plants
- Levels the ground again
- High area performance possible

TECHNICAL DATA

diameter	hardness		
	Soft	Medium	Hard
550 mm		x	x
720 mm		x	x
900 mm	x	x	

There are 3 degrees of hardness and 3 different diameters available for different aggressiveness and crop requirements.

AREAS OF APPLICATION

- Viticulture & fruit growing
- Nurseries
- Forestry, avenue & fruit tree cultivations

The eccentric arrangement of the fingers creates a “wiping effect”. This moves more soil material away from the crop and guarantees gentle and clean work around the row. This also results in significantly better levelling.

In order to best protect the crop plant from damage caused by the fingers, the fingers were rounded all around on the top.

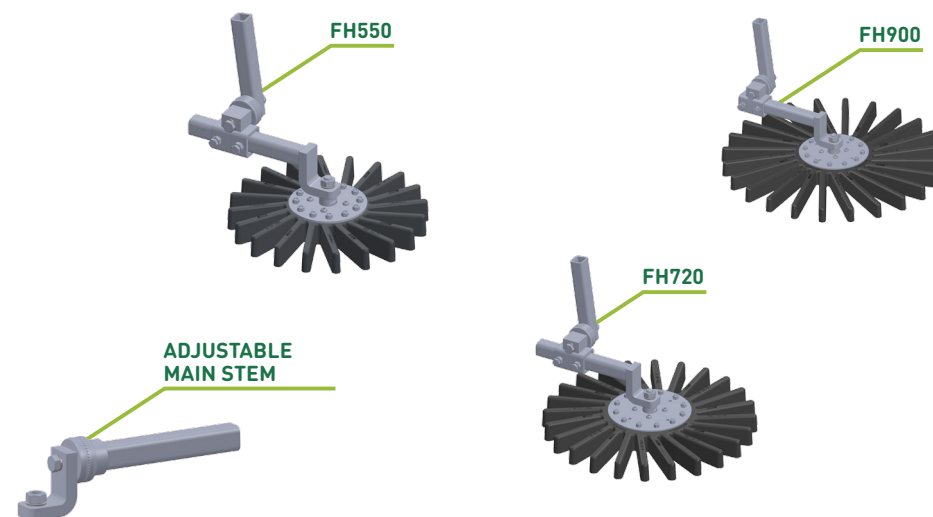
A high level of wear resistance is achieved on the one hand by the high fingers and the finger elements that widen towards the bottom.

Another feature of the ALM finger weeder is the storage integrated between the finger hoe elements, therefore the forces that intervene are absorbed where they arise. This guarantees a long service life.

The finger weeder can optionally be equipped with an adjustable main handle.

The vertical adjustment option allows the following effects to be achieved:

- By tilting the finger weeder forward, the crop plant is piled up
- Tilting the finger weeder backwards clears the crop plant



UNDER-ROW MOWING BRUSH

Under-row mowing brush for effective weed control in the under-row area.

The mowing brush can also be used as a trunk cleaner.

TECHNICAL DATA

- Working shaft 450 mm or 750 mm
- equipped with 12 or 20 threads, Ø 8 mm

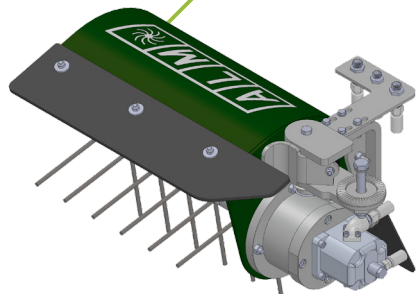
OIL REQUIREMENTS

- Driven by hydraulic oil motor
- Oil requirement approx. 12 l/min per side

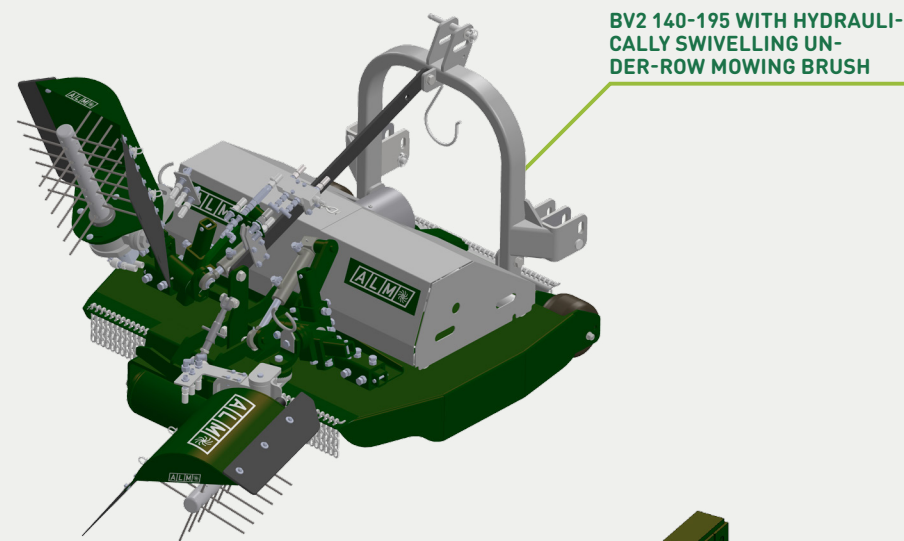
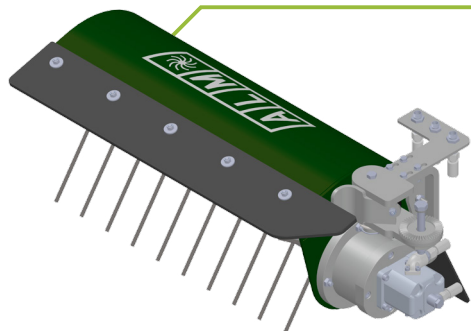
YOUR ADVANTAGES WITH ALM EXCLUSIVELY

- Large storage for a long service life
- Rotatable protective hood, resulting in optimised mowing results
- Interchangeable shaft
- Easy thread change, can be replaced individually
- Rubber flaps as collision protection

UNDER-ROW MOWING BRUSH SHORT

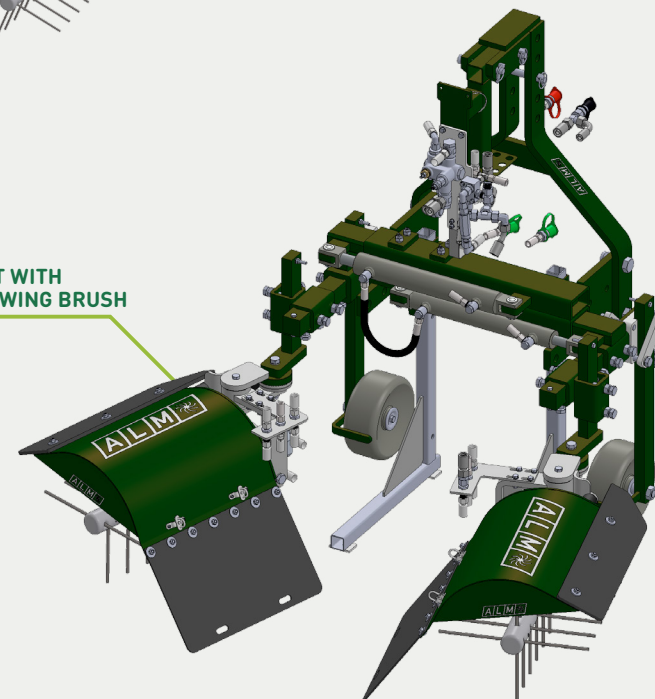


UNDER-ROW MOWING BRUSH LONG



BV2 140-195 WITH HYDRAULICALLY SWIVELLING UNDER-ROW MOWING BRUSH

KVR 80 COMPACT WITH UNDER-ROW MOWING BRUSH



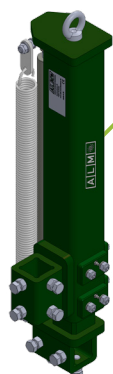
INTERMEDIATE AXLE LIFT

Stable lift for the attachment of various under-row maintenance devices in the intermediate axle area of the tractor. By adding it in the intermediate axle area, the main work areas remain free, which means that the under-row maintenance equipment can remain permanently attached and be used in every work step. Attachment is possible on one side using a console permanently installed on the tractor or on both sides using a hydraulic intermediate axle width adjustment.

The lift can also be attached to the KVR or KVR compact device frame, which means that one side of the tip or end rows can be lifted and can therefore be moved on one side.

TECHNICAL DATA

- Hub: 500 mm
- Stable design (70 x 70 VK)
- No protruding parts
- DW cylinder single-acting connected with return spring
- Large sliding elements
- Working depth/working pressure adjustable



LIFT STRAIGHT



LIFT AT AN ANGLE OF 7°

INTERMEDIATE AXLE WIDTH ADJUSTMENT

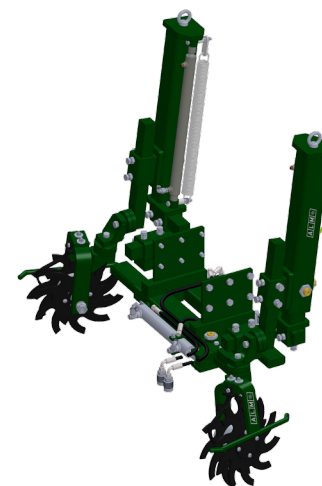
Stable intermediate axle width adjustment available for various tractor manufacturers.

ADVANTAGES

- Additional growing space
- Optimal overview
- Combined driving of up to 3 devices possible

TECHNICAL DATA

- Stable design
- Cylinder with 600 mm stroke (also mechanically adjustable)
- Additional cylinder fixing
- Large sliding elements
- Recording via 50 x 50 square



FENDT VARIO INTERMEDIATE AXLE ATTACHMENT

KVR DEVICE FRAME

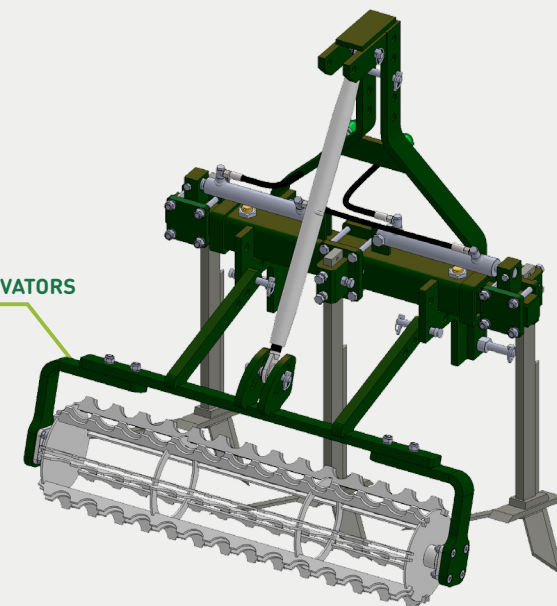
The sturdy KVR device frame can be equipped with various work tools and can be used all year round for shallow or deep tillage.

WORK TOOLS

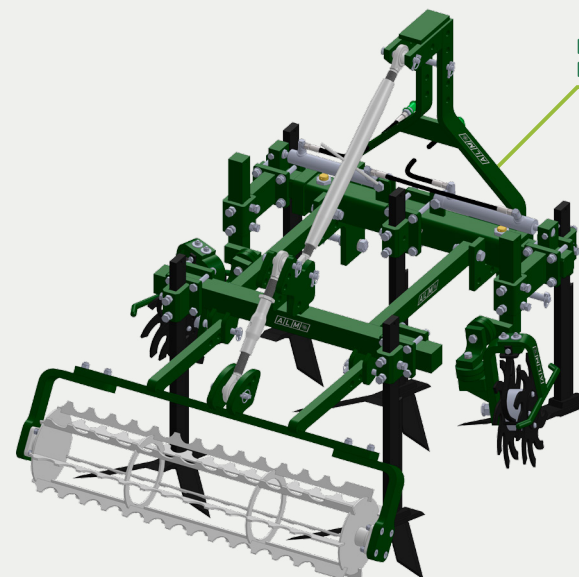
- Rolling weeder SR – full-surface rolling weeder
- Chisel handle optionally with wing share 500 mm
- All ALM under-row processing devices

Type	Width (without work tools)
KVR110	110 – 160 cm
KVR130	130 – 180 cm

KVR 110 WITH 3 CHISEL HANDLES AS SHORT CULTIVATORS



KVR 110 WITH 5 CHISEL HANDLES AND ROTATING WEEDER 2S



FULL-SURFACE ROLLING WEEDER

With the KVR device frame equipped with SR rolling weeder elements, the following work can be carried out with just one device:

- Scarifying
- Vegetation disruption without destroying it
- Roll and bend the greenery
- Shallow tillage

Here too, thanks to our flexible design, the KVR can be operated with a single beam with 3 adjustable rolling weeder elements in different widths, or with an extension in two beams with 5 adjustable rolling weeder elements. This means that the right variation is available for every company.

The rolling weeder elements can be adjusted to different soil structures and travel speeds without tools.

The advantages of greenery such as erosion protection and good trafficability are retained.

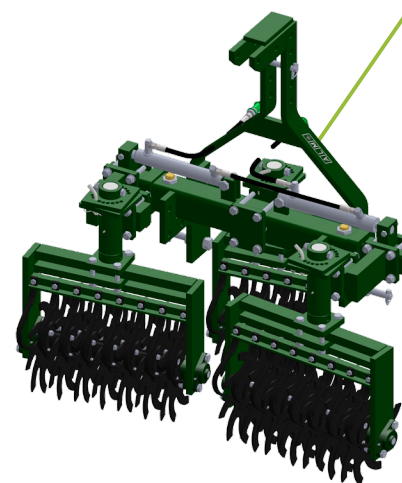
ADVANTAGES

- Loosening, aeration of the vegetation without destroying it
- Protection of the water balance by inhibiting the growth of vegetation
- Slight loosening possible on steep slopes without risk of erosion
- Formation of a mulch layer to promote shade
- Better water absorption
- Improvement of soil structure
- Can be combined with other operations

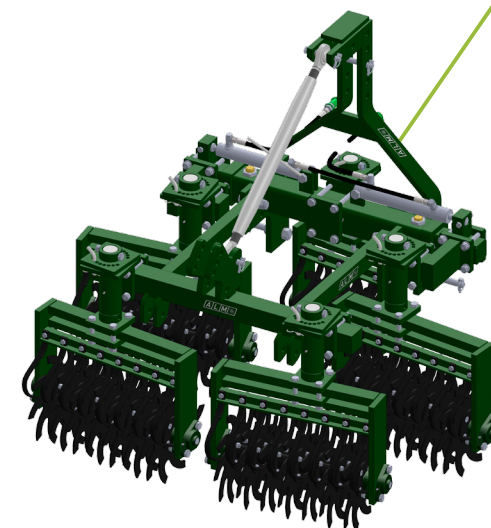


Type	Working width
4SR	ca. 35 cm
5SR	ca. 43 cm
6SR	ca. 50 cm
7SR	ca. 58 cm
8SR	ca. 65 cm

FULL-SURFACE ROLLING WEEDER WITH 3 ELEMENTS



FULL-SURFACE ROLLING WEEDER WITH 5 ELEMENTS



KVR COMPACT

Our device frame for under-row tillage. This all-rounder is characterised by its stable and compact design.

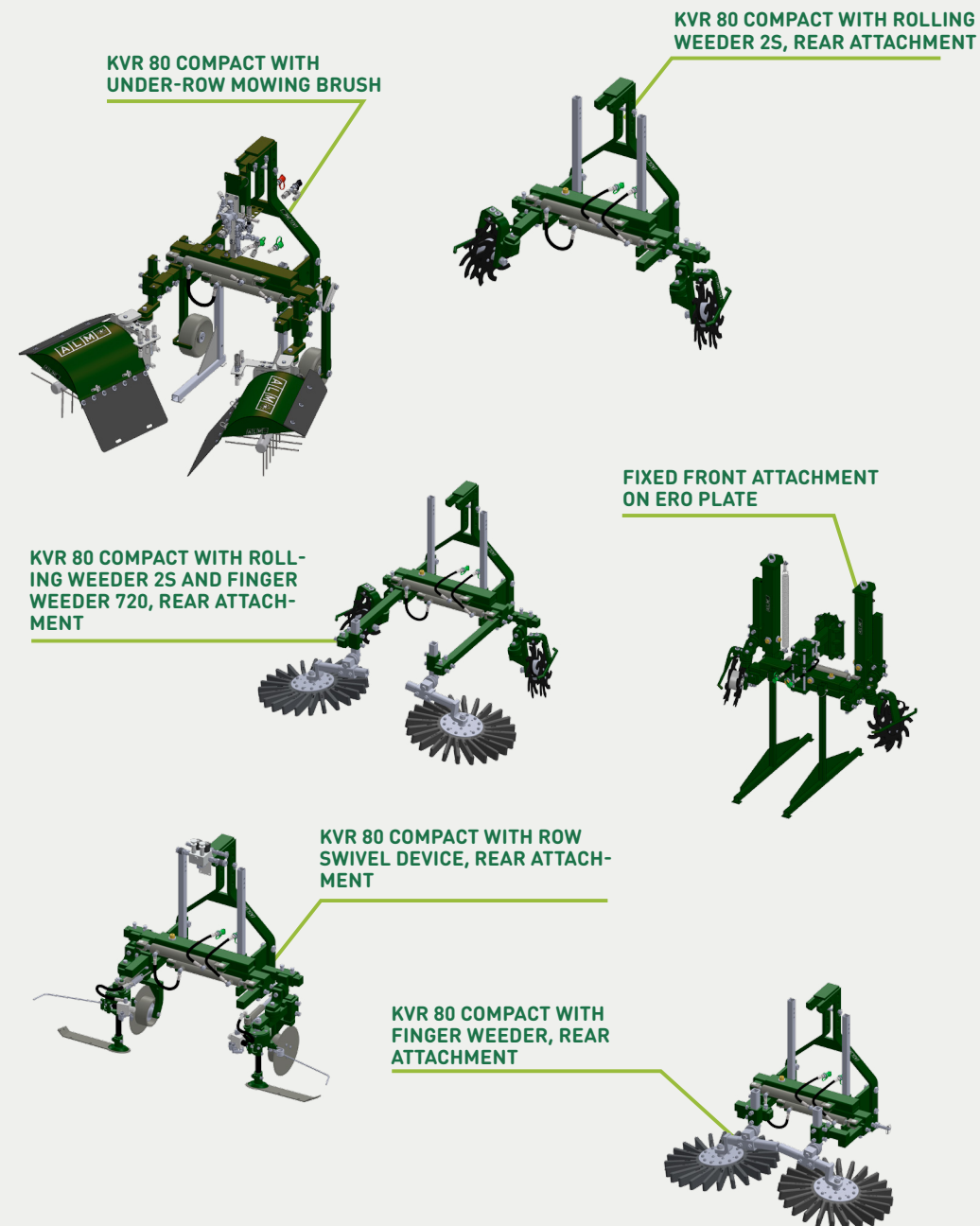
The device frame, which is hydraulically adjustable in width by 70 cm, can be equipped with all ALM under-row tilling devices.

Available as front or rear attachment.

WORK TOOLS

- Rolling weeder 2/3S
- Rolling weeder 2/3S in combination with finger weeder
- Disc plough
- Row swivel device
- Under-row mowing brush

Type	Width (without work tools)
KVR 80 Compact	80 – 150 cm
KVR 100 Compact	100 – 170 cm
KVR 120 Compact	120 – 190 cm



GREEN LINE

The ALM Green-Line models consist of a solid device frame, which can be equipped with three modules.

MODULE FINGER WEED- ER

- For new sowing and overseeding
- For levelling and crumbling
- Optionally with crossboard

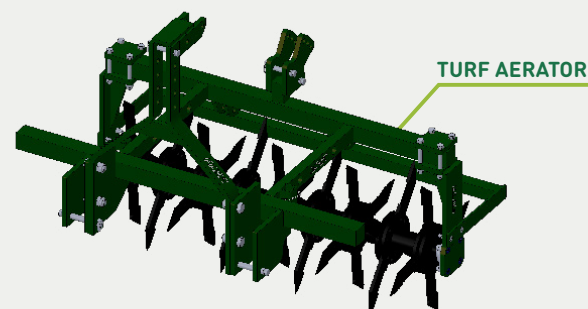
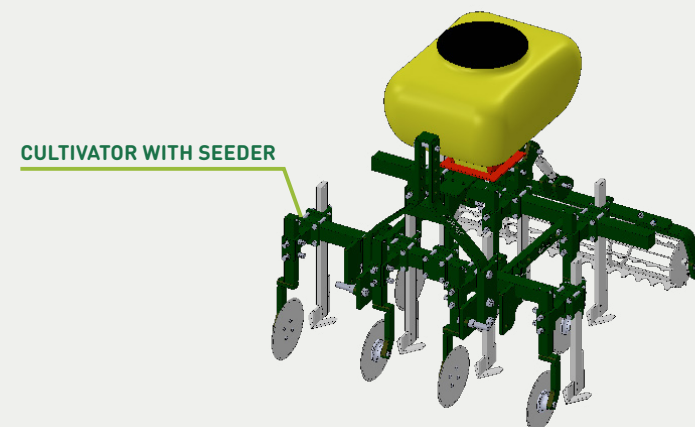
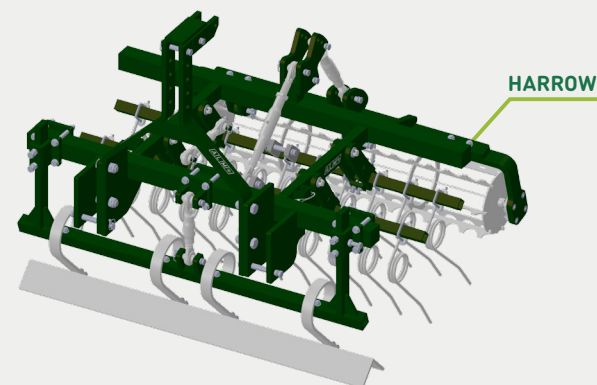
MODULE CULTIVATOR WITH SEEDER

- For undercutting greenery
- For reseeding
- For direct sowing in vegetated areas

MODUL TURF AERATOR

The turf aerator effortlessly removes compaction in the soil structure and improves the permeability of the turf.

- High quality shafts for a long service life
- Specially developed wear-resistant blades that do not damage the turf
- Improved soil aeration and more air in the soil for better growth
- Improved water absorption



TITANIUM SUBSOILER

The Titan subsoiler is the ideal machine for deep loosening across entire areas.

Three solid tines are mounted, consisting of a reversible share tip, clod breaker and side wings.

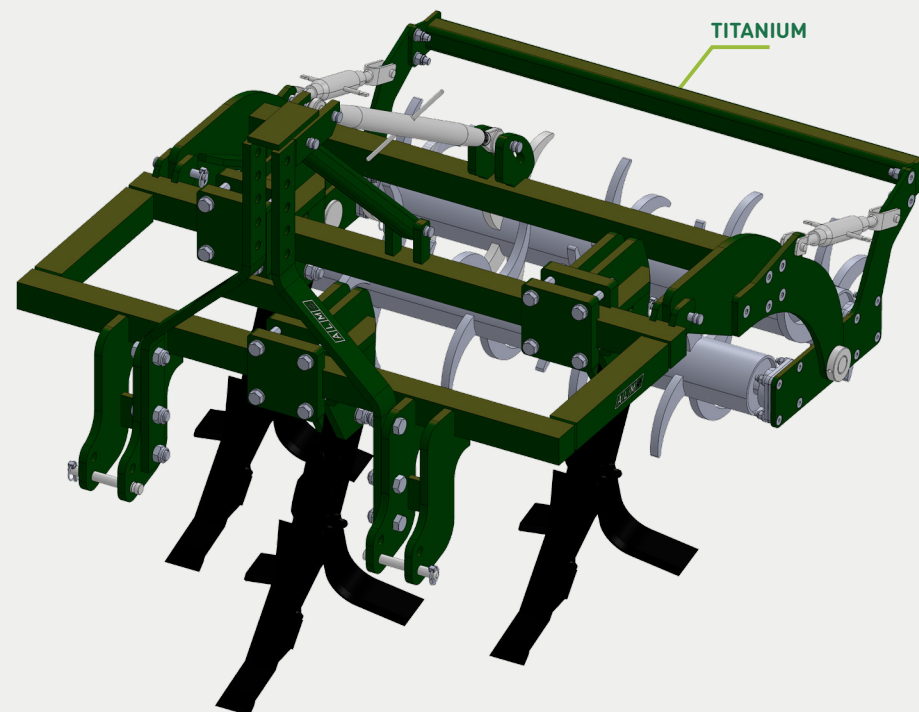
The mechanically adjustable double spiked roller ensures perfect shredding of the soil.

The opposite rotation of the spikes breaks up clods of earth on the surface.

If the soil is loose, the soil can be prepared for sowing in one operation.

TECHNICAL DATA

- Number of tines: 3 pieces
- Working depth: up to 45 cm
- External width: 1.4 m



PARAPLOUGH

ALM paraploough, robust and compact design.

The paraploough is used to loosen tractor or harvester tracks.

The para-tines can be used to loosen the soil over a wide area up to a depth of 50 cm.

VARIABLE TINE ARRANGEMENT:

- Behind each other
- U-shaped
- Outwards on both sides (width adjustable)

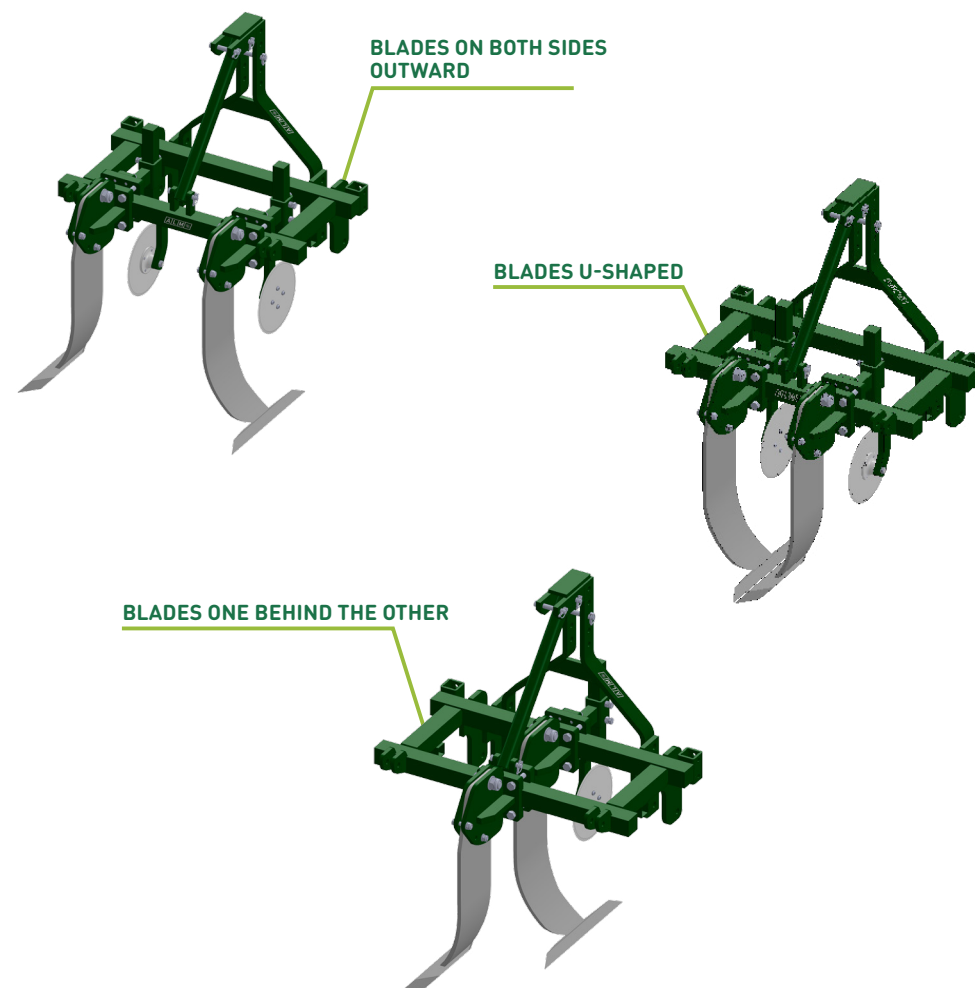
BASIC EQUIPMENT:

- Two-beam frame made of 70 x 70 solid material
- 2 x para-tines with replaceable wear cutting edges
- 2 x tine holders
- Recording for roller
- 2 x storage feet

OPTIONAL:

- crumb roller
- disc coulter

Type		Width
PF 130	Cat. I	130 cm
PF 150	Cat. I & II	150 cm



MULCHERS

MULCHER STANDARD

The mulcher and support wheels are hydraulically adjustable in width. The support wheels are permanently mounted on the mulcher and their width can be mechanically adjusted to suit the tractor's track.

MULCHER WITH TOOL GUIDE TUBE

Mulcher with additional tool guide tube to which the rolling weeder can be attached.

FRONT MOUNTING MULCHER (PUSH DRIVE)

All mulchers are also available as front mulchers. Optionally, a second headstock can also be mounted so that the mulching device can be used as a front/rear device.

MULCHING DEVICE WITH FINE AUTOMATIC

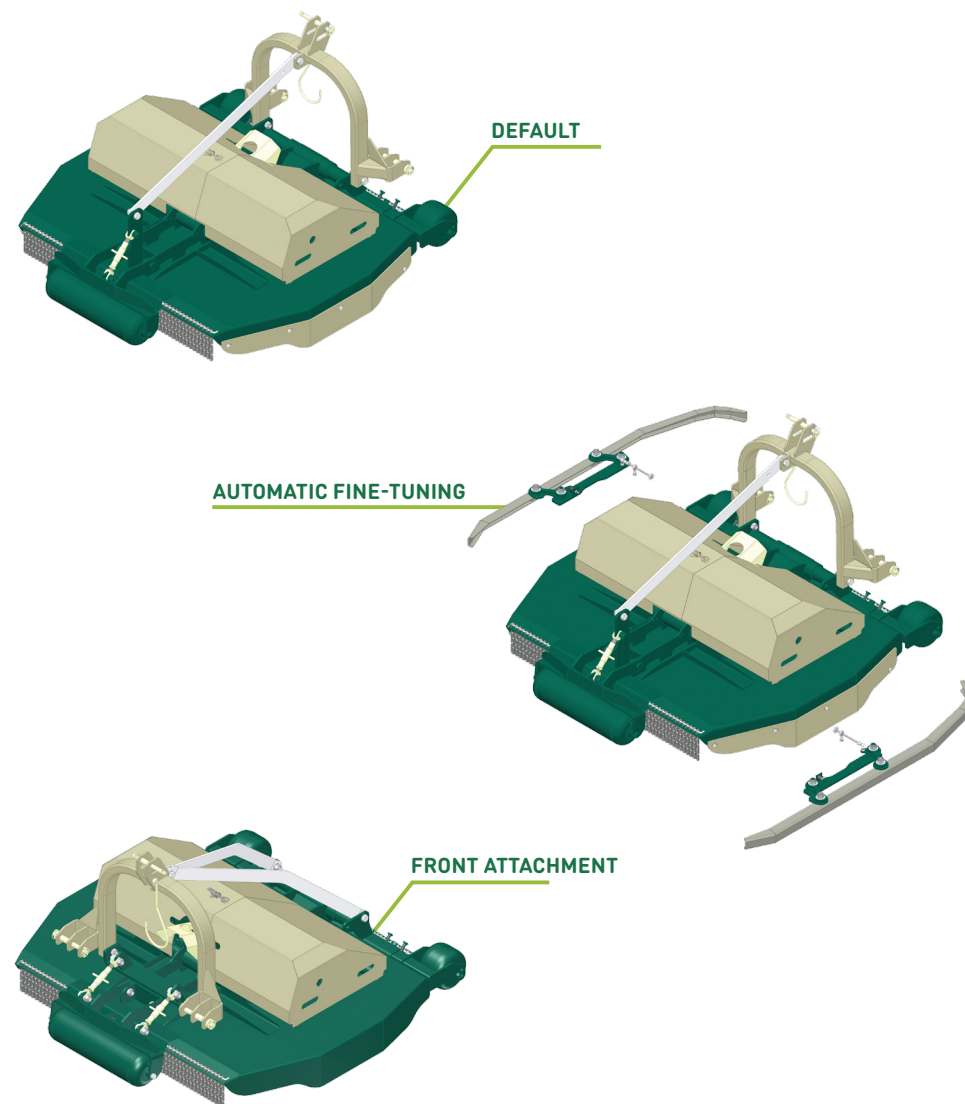
Optional fine-tuning automatic via hydraulic control unit. Both sides can be driven independently in manual or automatic mode.

TECHNICAL DATA





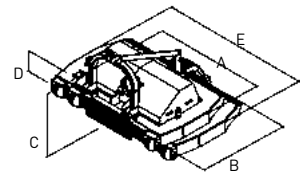
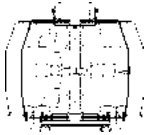
- Double lower link mount Cat. I and II
- PTO shaft with freewheel and slip clutch
- Gearbox with helical teeth for smoother running and an increased number of teeth in continuous mesh
- Optional removable grass ejection flaps on the side panels

WORK TOOLS

- Rolling weeder 2/3S
- Under-row mowing brush



MULCHER MODEL OVERVIEW

Mod.					 External dimensions					 Cutting widths	
					A	B	C	D	E	Min.	Max.
BV2V 110-145	2	4	40 - 100	430	112	129	107	24	144	109	141
BV2 125-175	2	4	40 - 100	470	130	139	107	24	174	126	170
BV2 125-175 light	2	4	40 - 100	430	132	139	107	24	176	126	170
BV2 125-175 RF	2	4	40 - 100	470	130	139	107	25	174	126	170
BV2 140-195	2	4	40 - 100	510	141	149	107	24	197	137	193
BV2 140-195 RF	2	4	40 - 100	510	141	149	107	24	197	137	193
BV2 160-230	2	4	40 - 100	580	165	170	101	22	226	162	223
BV2 170-245 light	2	4	40 - 100	540	178	165	101	22	248	173	243
BV2 190-260	2	4	40 - 100	690	192	189	101	22	262	189	259
BV2 220-300	2	4	40 - 100	790	223	210	101	22	203	220	299
BV2 250-340	2	4	40 - 100	990	250	225	101	22	340	245	333
BV3-180-260	3	6	40 - 100	630	183	149	105	24	262	178	258
BV3-195-290	3	6	40 - 100	650	204	149	107	24	293	198	286
BV3-250-360	3	6	40 - 100	900	253	183	105	24	365	250	362

light: Devices in lightweight construction with high-quality sheet metal

RF: Support wheels are fixed and mechanically adjustable in width

ROLLING WEEDER 4-6S

The classic for herbicide-free processing of the row or trunk.

With the rolling weeder, the soil is worked along the row or trunk, loosened and moved slightly, which greatly inhibits the development of weed growth.

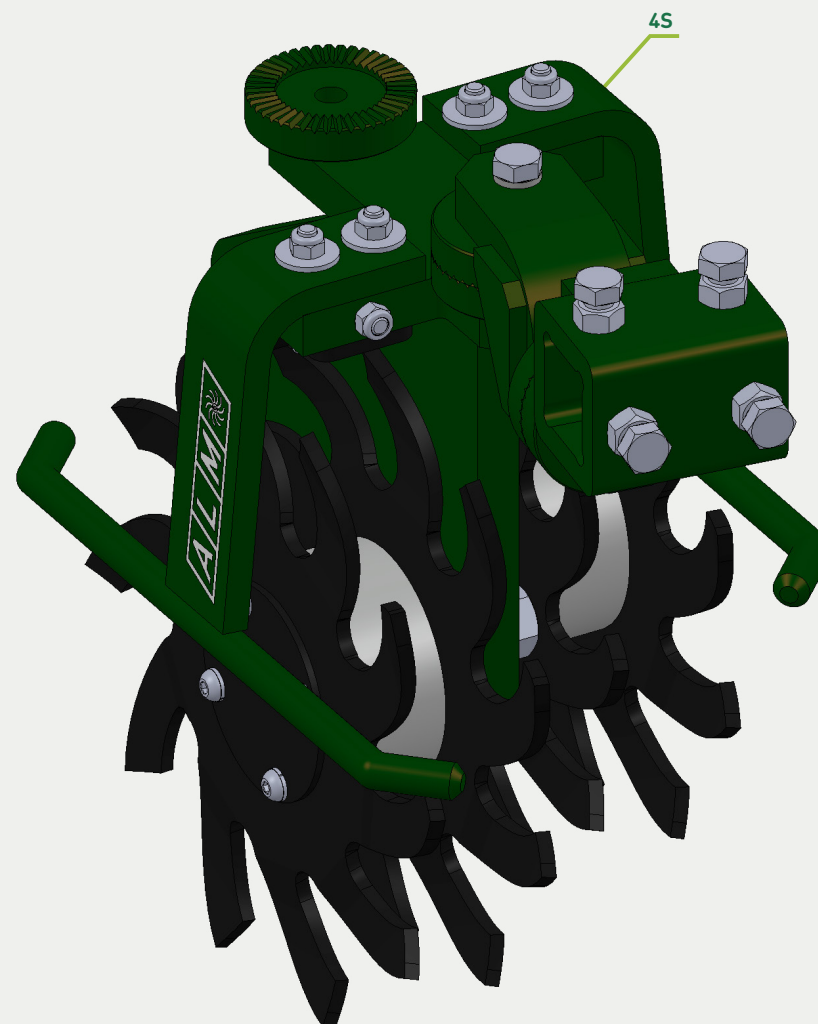
- No need of any herbicides
- No sharply cut processing edge, which reduces the risk of erosion
- Weed growth is severely inhibited
- Little earth movement
- Better infiltration of precipitations due to a roughened surface

YOUR ADVANTAGES WITH ALM EXCLUSIVELY

- Extremely stable construction
- Fits anywhere thanks to a variety of installation adapters
- Every ALM 4S rolling weeder can be easily expanded to 5S or 6S
- 8 mm rolling weeder stars made of high-strength special steel
- Stable dust- and waterproof storage with two large angular contact ball bearings
- Backlash-free adjustment of the working angle, horizontally and vertically
- Protection cloth for better separation of weed roots and floor

TECHNICAL DATA

Working width 4S: 25 - 30 cm
 Working width 5S: 35 - 40 cm
 Working width 6S: 40 - 45 cm



ROLLING WEEDER SRN LOW DESIGN

With the rolling weeder, the soil is worked along the row or trunk, loosened and moved slightly, which greatly inhibits the development of weed growth.

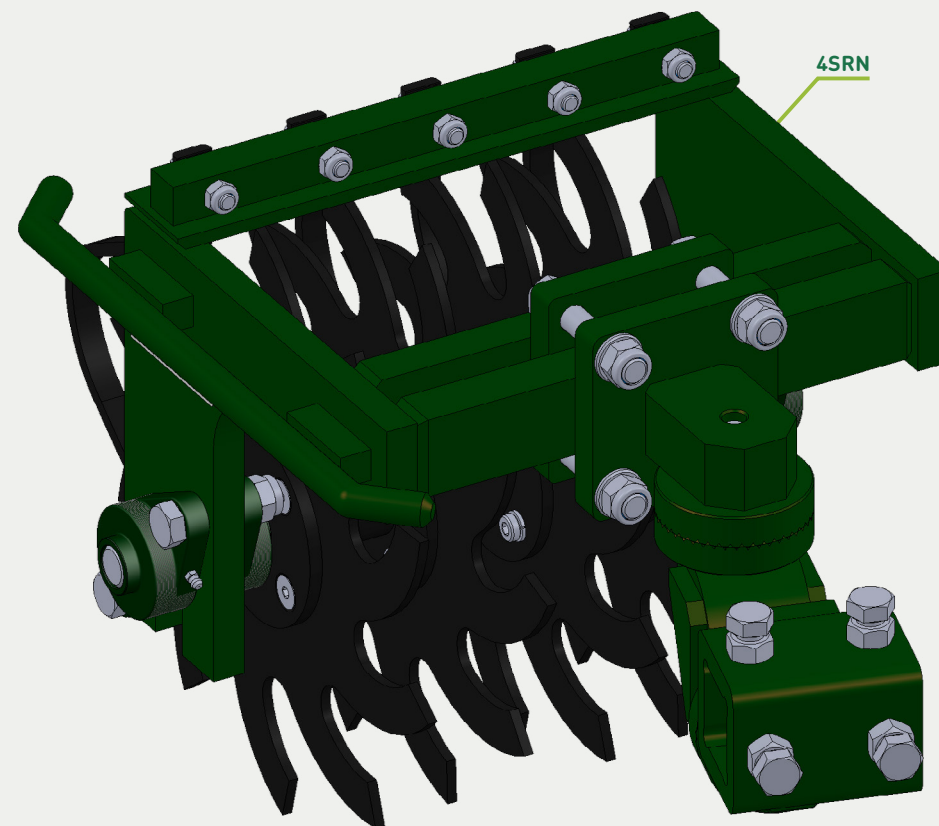
The rolling weeder in the frame is available in different widths with 4 - 13 rolling weeder stars, ideal for wide vineyards, orchards or other special crops. This means the right width is available for every company.

- No need of any herbicides
- No sharply cut processing edge, which reduces the risk of erosion
- Weed growth is severely inhibited
- Little earth movement
- Better infiltration of precipitations due to a roughened surface

YOUR ADVANTAGES

- Extremely stable construction
- Fits anywhere thanks to a variety of installation adapters
- 6 mm rolling weeder stars made of high-strength special steel

Type	Working width
4SRN	ca. 35 cm
5SRN	ca. 43 cm
6SRN	ca. 50 cm
7SRN	ca. 58 cm
8SRN	ca. 65 cm
10SRN	ca. 79 cm
13SRN	ca. 100 cm



UGR COMPACT

Your universal companion for the whole year. Equipped with the rolling weeder in combination with the finger weeder or the SSG row swivel device, you can carry out effective, time- and cost-saving soil cultivation in your plants.

The hydraulic width adjustment by 50 cm per side is standard. A hydraulic tilt adjustment is available as an option; this means that the work tool can be adapted to any situation, even on slopes.

The work tools can be folded up 90° for road transport.

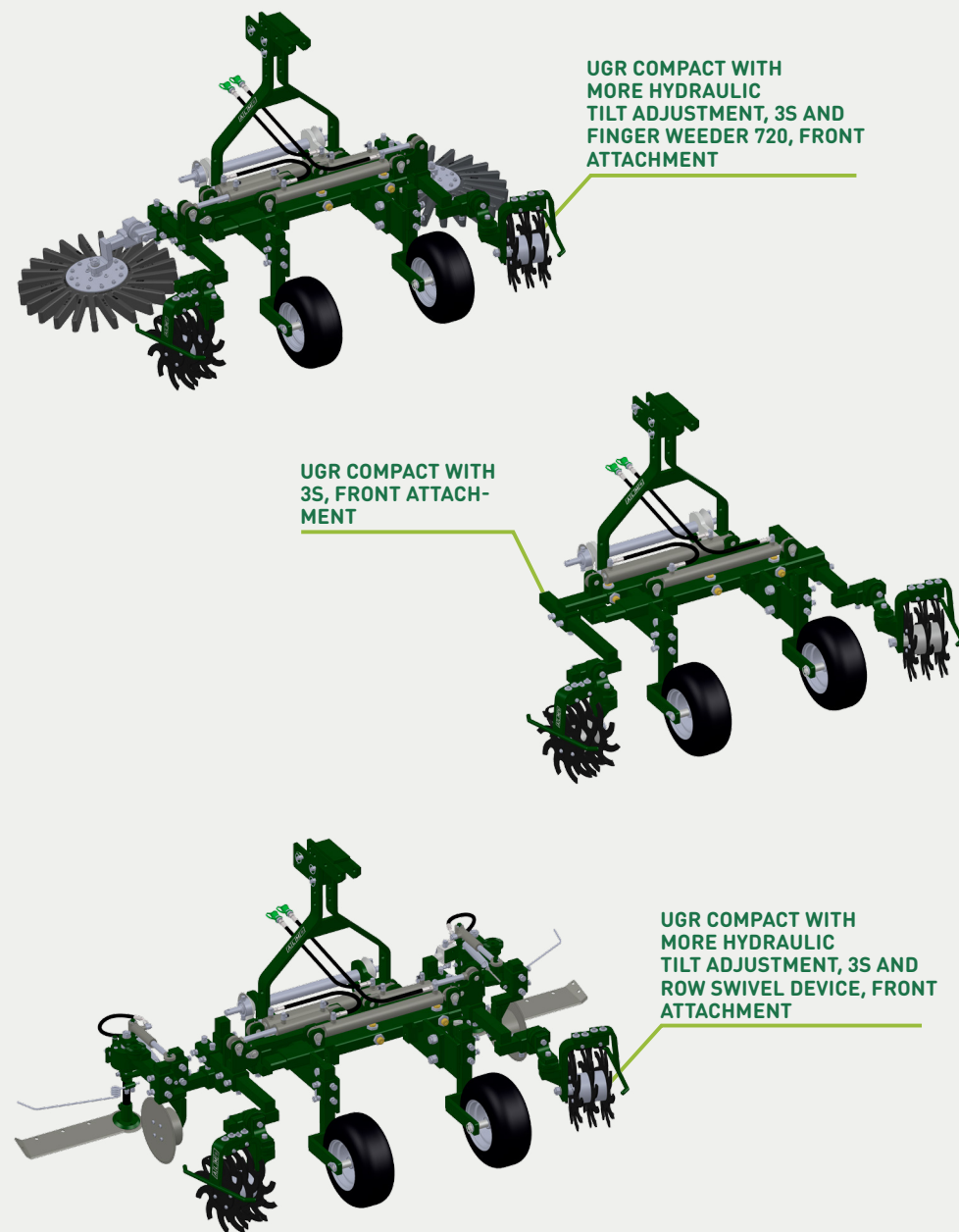
The hydraulic functions are operated via the tractor control units. A separate control block with electrical control is available as an option.

Suitable for row widths from 2.0 m to 3.5 m (depending on tooling).

Available as front or rear attachment.

WORK TOOLS

- Rolling weeder 2/3S or 4S
- Finger weeder
- SSG row swivel device
- Disc plough
- Under-row mowing brush



UGR DEVICE FRAME

Your universal companion for the whole year. Equipped with the SRN rolling weeder in combination with the finger weeder or the SSG row swivel device, you can carry out effective, time- and cost-saving soil cultivation in your plants.

Hydraulic width adjustment and hydraulic tilt adjustment are standard; This means that the work tool can be adapted to any situation, even on slopes.

The work tools can be folded up 90° for road transport.

The following models are available:

CLASSIC LINE

Control of the hydraulic functions via the tractor control units

PROFESSIONAL LINE

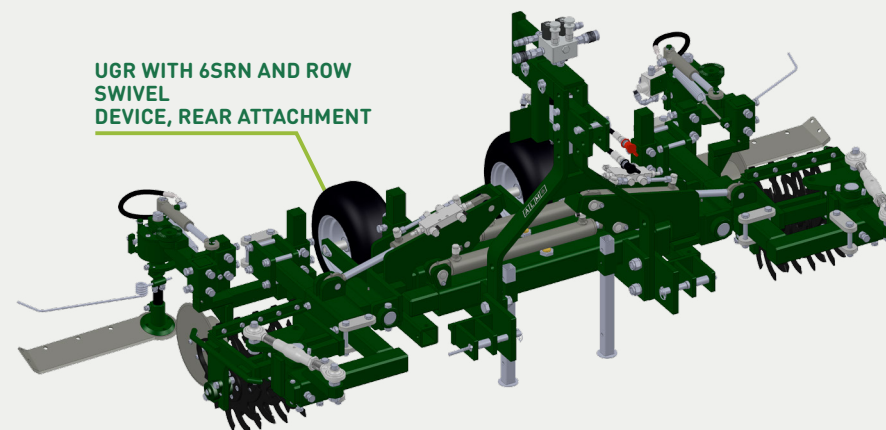
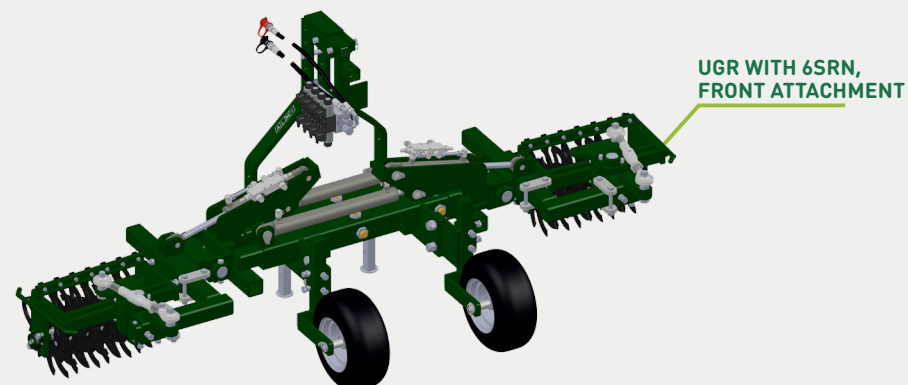
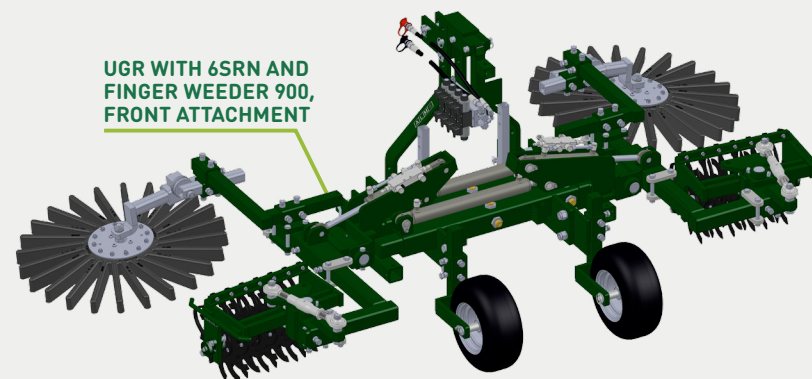
Control of the hydraulic functions via its own control block with electrical control

Suitable for row widths from 3.0 m to 4.5 m (depending on tooling).

Available as front or rear attachment.

WORK TOOLS

- Rolling weeder SRN
- Finger weeder
- SSG row swivel device
- Under-row mowing brush



UGR 180E

Your universal companion for the whole year. Equipped with the SRN rolling weeder in combination with the finger weeder or the SSG row swivel device, you can carry out effective, time- and cost-saving soil cultivation in your plants.

The hydraulic width adjustment by 1 m is standard. A hydraulic tilt adjustment is available as an option; this means that the work tool can be adapted to any situation, even on slopes.

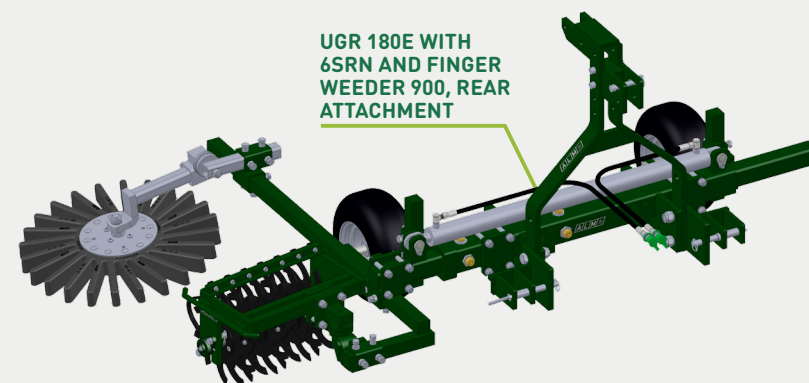
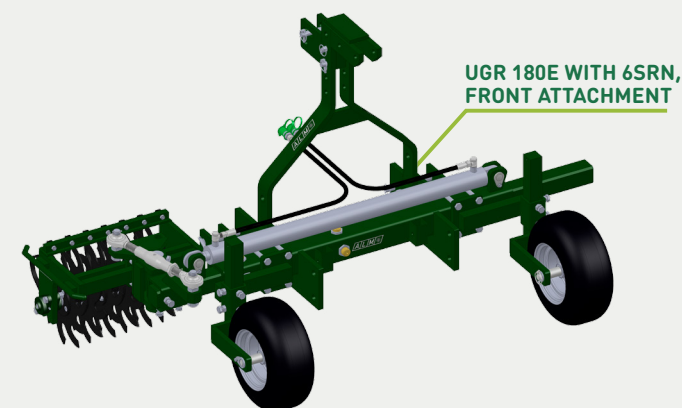
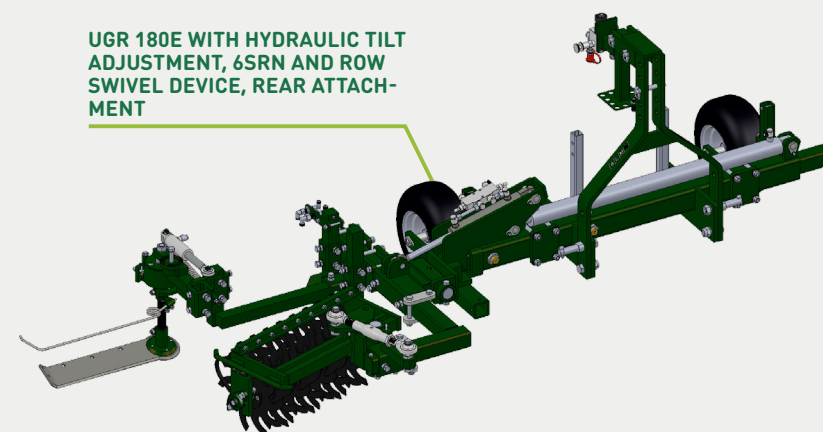
The work tools can be folded up 90° for road transport.

Suitable for row widths from 3.5 m to 5.5 m (depending on tooling).

Available as front or rear attachment.

WORK TOOLS

- Rolling weeder SRN
- Finger weeder
- SSG row swivel device
- Under-row mowing brush



EXPERIENCE ALM

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for fruit and wine growing.

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