

TECHNOLOGY FOR ROW CULTURES



CLEMENS
TECHNOLOGIES

#INTELLIGENT
MECHANISATION

UNDER VINE CARE RADIUS



RADIUS SL

- Versatile cultivation options
- Environmentally friendly weed control
- For a wide range of soil conditions, vegetation and crop types
- Less drought stress, promoting soil revitalisation
- Clean work due to sensitive sensor technology
- Simple operation

TECHNICAL DATA

Oil requirement per unit: about 6-10 l/min

Weight (without accessories): about 33,5 kg
Weight blade share + sensor rod: about 2,8 - 5,1 kg (depending on length)

Length x width x height: about 430x300x500 mm



RADIUS SL PLUS

- Versatile cultivation options
- Environmentally friendly weed control
- Thanks to a flexible flange point to which different working shafts and tools can be mounted
- For a wide range of soil conditions, vegetation and cultivation forms
- Clean work due to sensitive sensor technology
- Simple operation

TECHNICAL DATA

Oil requirement per unit: about 6-10 l/min

Weight:
 Basic device: about 35 kg
 Rotary tiller: about 23 kg

Length x width x height: about 430x300x500 mm



RADIUS D

- New generation of double-acting weed control, thanks to the proportional valve technology, which enables precise work
- By signaling the hydraulic valve, a tool can be hydraulically swung in and out hydraulically
- Navigating around the vine parallel to the speed of the tractor
- Work without damaging bark or roots

TECHNICAL DATA

Oil requirement per unit: about 3-16 l/min

Weight:
 Basic device: about 43 kg

Blade share/sensor rod lengths: about 370/500/620 mm

Length x width x height: about 170x330x440 mm



RADIUS M

It does not require any electrical or hydraulic components, as the device works exclusively with spring force and thus mechanically. Its main areas of application are older existing plants with lighter soil conditions and vineyards with few weeds. It is also suitable for attachment to smaller caterpillars, robots & high-wheel tractors.

TECHNICAL DATA

Weight: about 23 kg

Length x width x height: about 430 x 300 x 500 mm

UNDER VINE CARE RADIUS SL



VITICULTURE



FRUIT GROWING



TREE NURSERIES



RADIUS SL AROUND-THE-VINE WEEDER is the environmentally friendly alternative to chemical weed control. The weeds rot in a natural manner. Less drought stress through destruction of the roots. Soil activation and promotion of optimum soil condition. Sensitive sensor technology for clean work around the vine. Rear, mid and front mounting possible, 1 or 2 sided versions. Versatility through different tools in front of the blade and additional devices.

- ✓ Ecofriendly
- ✓ Robust
- ✓ Simple handling



TECHNICAL DATA

Oil requirement per unit: about 6-10 l/min

Weight (without accessories): about 33,5 kg

Weight blade share + sensor rod: about 2,8 - 5,1 kg
(depending on length)

Length x width x height: about 430x300x500 mm



„We have been using the RADIUS for 30 years. We continue to trust the brand for its evolution and reliability.“

THIERRY AND FABIEN GÄIDE, WINERY JULIEN DE L'EMBIQUE (50 HA)

UNDER VINE CARE RADIUS SL PLUS



VITICULTURE



FRUIT GROWING



TREE NURSERIES



The RADIUS SL PLUS (i.e. transition/ changeover shaft) uses the proved technology based on the RADIUS SL. In addition, the supplement of springs and the replacement of the shaft allow the installation of various attachments. For all attached tools the triggering off takes place through a sensor rod. With the help of adapters, the following attachments are quickly installed

RADIUS BLADE:

This feature should be used when no additional attachments are required in the area to be worked.

RADIUS BLADE in combination with a rotary cultivator: With this combination, the ground is broken up by the blade first and afterwards split and partly put away by the rotary cultivator, depending on the rotation speed. If the rotary cultivator is spinning too fast, too much soil could be thrown into the row.

- ✓ Ecofriendly
- ✓ Robust
- ✓ Versatile



TECHNICAL DATA

Oil requirement per unit: about 6-10 l/min

Weight:

Basic device: about 35 kg

Rotary tiller: about 23 kg

Length x width x height: about 430x300x500 mm

Blade share/sensor rod lengths: 500/620 mm



„After we had tried multiple machines, it was the CLEMENS machine that convinced us for the work we want to do.“

JEAN SARET, WINERY CAVE DES HAUTES VIGNES (75 HA)

UNDER VINE CARE RADIUS D



VITICULTURE



FRUIT GROWING



TREE NURSERIES



Radius D represents a new generation of double-acting weeders in the field of undervine care, thanks to the proportional valve technology that allows extremely precise work. This proportional technology opens up some more surprising application possibilities for the winegrower.

The innovative operation of the Radius D is based on the machine's ability to hydraulically swing a tool such as a clearing share in and out with a double movement, mechanically controlled by a signal from a very sensitive hydraulic valve that feels its way around the vine and operates in proportion to the speed of the tractor. The valve is practically in the middle of the unit, so there are no external hoses.

This proportional pivoting movement carefully guides the implement around the trunk of the vine without damaging the bark or the roots.

- ✓ Double acting
- ✓ Precise
- ✓ Innovative



TECHNICAL DATA

Oil requirement per unit: about 3-16 l/min

Weight: about 43 kg

Blade share/sensor rod lengths: about 370/500/620 mm

Length x width x height: about 170x330x440 mm

ACCESSORIES FOR RADIUS SL PLUS / D



RADIUS D



ROTARY TILLER

We recommend to use the rotary cultivator in combination with the blade. First the soil is broken up by the blade and subsequently divided by the rotary cultivator and also cleared a little, depending on the speed of rotation. If the cultivator rotates too fast, it is possible that too much soil will be moved into the rows. In this case, this can however be counteracted with a soil and stone deflector. The rotary cultivator can be used without the blade if the conditions are not too extreme.

TECHNICAL DATA

Oil requirement: 35 l/min
Weight: about 23 kg



MOWER

The mower (Ø 400 mm) pivots hydraulically between the vines, to mulch the vegetation with two blades. A protecting ring around the support disk prevents the vine from being damaged.

TECHNICAL DATA

Oil requirement: 20 l/min
Weight: about 35 kg

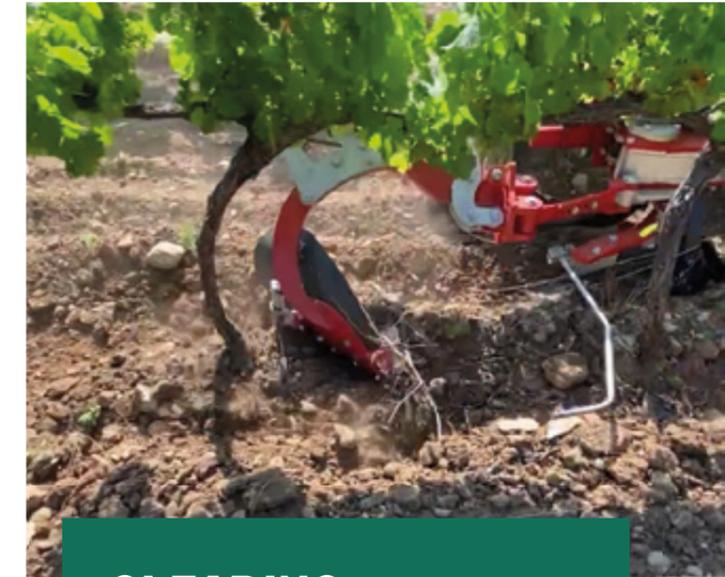


DRIVEN DISCS

The discs (2 pcs.) are used to pull out soil of the vine interspace, for ploughing back or to ridge, for example for a better placement of slurry and dung. In addition to the sensor rod, the disc unit is equipped with a deflecting rail, which pushes the unit away from the vine in case the sensor rod is not triggered, thus preventing injuries and damages to the plant.

TECHNICAL DATA

Oil requirement: 20 l/min
Weight: about 42 kg



CLEARING BODY

The CLEMENS clearing body is ideal for pulling dams and larger amounts of soil between the vines or trees in the row. The clearing body is elegantly guided around the vines with the help of the parallelogram and a sensor. The new CLEMENS RADIUS D is used as the base. Thanks to the sensing unit, the clearing body can be brought closer or further away from the vine/plant. If the clearing body nevertheless comes into contact with a plant, post or other obstacle, an overload safety device is triggered. Once the obstacle has been passed, the working tool is brought back into working position by a mechanism during travel. The resistance of the overload is adjustable via spring assemblies.

ACCESSORIES FOR RADIUS SL, SL PLUS & D



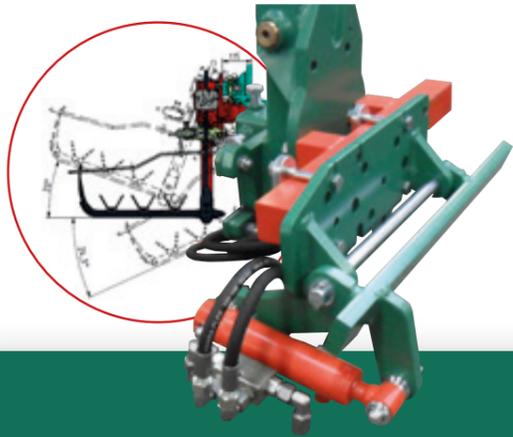
VITICULTURE



FRUIT GROWING

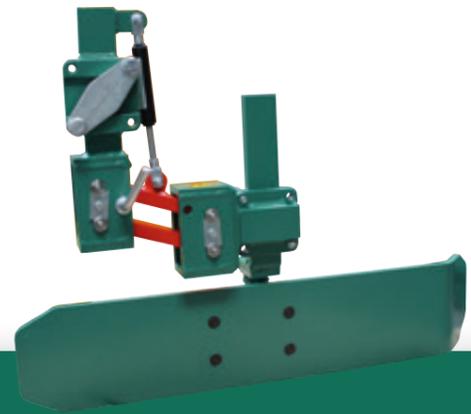


TREE NURSERIES



SIDE SLOPE CORRECTION

With the slide slope correction you can change the angle of the RADIUS to adapt the position perfectly to the condition in slopes. You can choose between hydraulic or mechanical versions. This unit can be mounted on the tool carriers HEXAGON & SB Frames and also on the column lifters S2R and S5.



SOIL & STONE DEFLECTOR

The soil & stone deflector is mounted behind the RADIUS to keep the cover crop clean of soil and stones. It comes with a parallelogram for ground adaptation. Different adjustment possibilities allow flexibility to achieve the desired results.



COMPACT LIFTER

Very compact lifter to protect the grape zone. Lifting height 300 mm



C.CONTROL BASIC

The electromagnetic manual control allows the blade share to be controlled from the tractor cab. A pressure relief valve can be fitted as an option for the single-sided version. The 2-sided version is equipped with a flow divider, adjustable pressure relief valve and 2 toggle switches for separate remote control (right or left or right and left) of the two blade shares.



SENSING SHARE

To mount on the blade 370 / 500 / 620 mm



PIVOTING CLOD BREAKER

To mount on the blade 370 / 500 / 620 mm



CLEARING SHARE

To mount on the blade 370 / 500 / 620 mm

TECHNOLOGY FOR RADIUS SL & SL PLUS



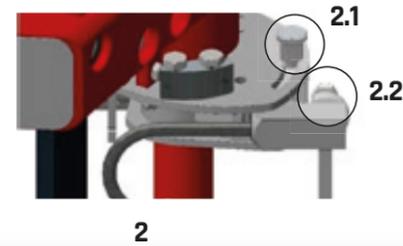
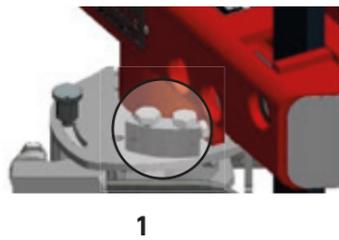
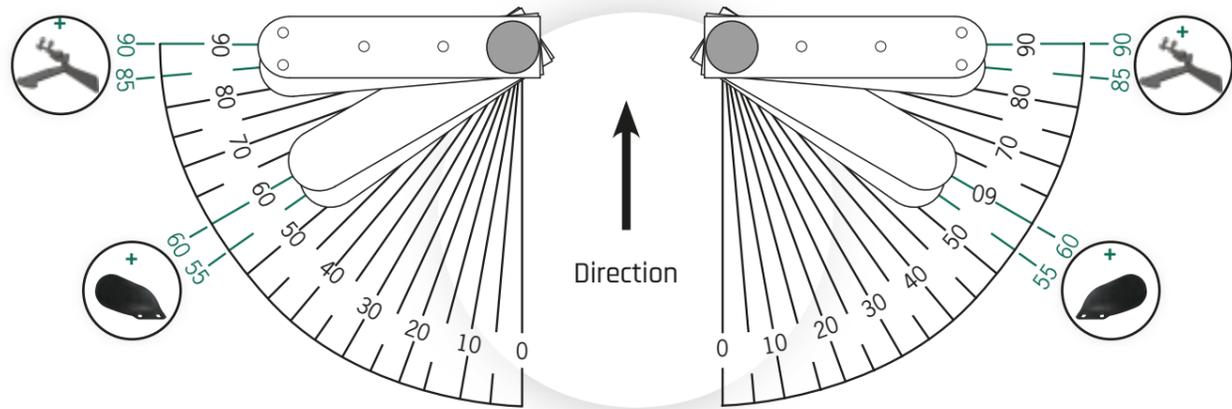
VITICULTURE



FRUIT GROWING



TREE NURSERIES



PULLING CUT

The blade of our Around-The-Vine Weeder can be adjusted to four different operating angles: 90°, 85°, 60° and 55°. With the Radius, it is possible to set a so-called „pulling cut“ of the blade.

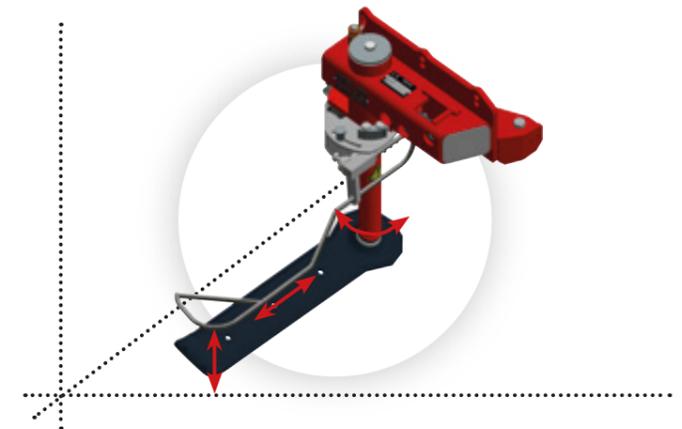
This, in combination with the pivoting clod breakers, ensures that the loosened soil is spread optimally. To put the blade in this position, loosen the cylinder bolt (1) and screw it into the threaded hole provided.



SENSOR ROD SETTINGS

The adjustment of the sensor rod is quick and easy: Lift the button (2.1) on the sensor unit and move the rod forwards or backwards as desired. When driving on a slope it is advantageous to move the sensor rod a little bit in front of the blade.

The same applies if the plants have grown somewhat obliquely (leaning forward) or if the driving speed is higher than 8 km / h. The sensor height can be adjusted using the screw and lock nut on the clamping piece (2.2)



UNDER VINE CARE GSP DISK



VITICULTURE



FRUIT GROWING



TREE NURSERIES



- Simple operation for weeding under the vines
- Can be adapted to any soil type
- High driving speed
- Long-term weed control can be achieved by mulching
- Even water consumption because the capillaries are broken
- Reduces most if not all herbicide

- ✓ Hilling up
- ✓ Clearing
- ✓ Weed control



TECHNICAL DATA

Weight: about 27 kg

Length x width x height: about 800 x 450 x 430 mm

Diameter of the disk: 450 mm



„Why trust CLEMENS equipment?
„It's the best equipment on the market!“

MR BOURGUE, WINERY DE LA CITADELLE (40 HA)

UNDER VINE CARE FINGER ROLLER



Integrated angle adjustment as is also the case with the disc harrow. The exterior angle can also be altered with no problems by reinserting the locking pins. Good distribution of force due to the different disc dimensions for the exterior and interior sprockets. As a result, both discs work in a sloped working angle at the same level. In comparison to the disc, we avoid creating a clear edge which can become a water channel on a steep slope.

- ✓ Combinable
- ✓ Erosion control
- ✓ Suitable for steep slopes



TECHNICAL DATA

Weight: about 40 kg (Model with 2 disks)
about 50 kg (Model with 3 disks)

Length x width incl. mounting bar
about. 890 x 540 mm

Depth: about 330 mm (Model with 2 disks:)
about 460 mm (Model with 3 disks:)

Working width depending on the position of the disks:
about 200 mm (Model with 2 disks)
about 300 mm (Model with 3 disks)

Working speed: about 7 to 8 km/h
Thickness of the disks: 8 mm



Because of the brand CLEMENS and the outstanding customer service through the distributor.

JEAN-LUC AND LOIC EVESQUE, WINERY DOMAINE SAINT ALBAN (60 HA)

UNDER VINE CARE FINGER HOE



VITICULTURE



FRUIT GROWING



TREE NURSERIES



In particular for young plantations or in existing plantations with very crooked stems in which more safety from the sensor is required, the finger hoe works directly around the plant and breaks up the island (also called the shadow) to gently remove the soil and weeds directly around the vine. Due to the special rubber compound, we work gently and with low wear. NOTE: In sandy soil, the finger hoe can also be used as an individual device. This is not possible in harder conditions. The finger hoes are available in various versions and different levels of stiffness and are driven in combination with a variety of machines for the undergrowth.

- ✓ For young plants
- ✓ Combinable
- ✓ Safe



TECHNICAL DATA

Weight: about 13 kg (Model 370 mm)
about 26 kg (Model 540 mm)
about 42 kg (Model 700 mm)

Length x width x height:
about 800 x 370 x 500 mm (Model 370 mm)
about 1050 x 540 x 450 mm (Model 540 mm)
about 1100 x 700 x 550 mm (Model 700 mm)

Colors / Strength: green/hard
yellow/medium



„Because of the quality and the good relationship to the distributor.“

JÉRÔME OBERTI, WINERY CHÂTEAU SAINTE ROSELINE (C10 HA)

UNDER VINE CARE MULTICLEAN



The mulching brush has very strong and smooth cords that protect the vine. The conical aluminum shaft operates smoothly and with little vibration because of its special shape. It is therefore possible to carry out weeding effectively at 1100 rpm. With the MULTICLEAN you can remove both the water shoots and the weeds simultaneously with one machine.

- ✓ Low-vibration
- ✓ Sucker removal
- ✓ String device



TECHNICAL DATA

Hydraulic requirement: 1x s.a.

Oil requirement:

Model Standard: 16 - 24 l/min

Model XS: 16 - 40 l/min

Model XL: 22 - 24 l/min

for two-sided operation series connection

Weight: Model Standard: about 40 kg

Model XS: about 37 kg

Model XL: about 90 kg

Clearing height: Model Standard: about 580 mm
(at 37,5° inclined position)

Model XS: about 400 mm
(at 37,5° inclined position)

Model XL: about 460 mm
(inclination not adjustable)



„Why do you trust the material from CLEMENS?“
„In my organic strategy for floor cleaning, the Multicleaner is a good choice. A safe solution, regardless of the weather in spring.“

MR JEAN, CHÂTEAU LES VIGNALS (75 HA)

TOOL CARRIERS SB FRAMES



VITICULTURE



FRUIT GROWING



TREE NURSERIES



SB COMPACT

The SB Compact is a robust solution for narrow alleys with many possible combinations. It can be mounted at the rear or at the front. Depending on the equipment, it covers three different working width ranging between 1480 mm and 2520 mm. Versatile accessories ensure adaptation to different conditions.

TECHNICAL DATA

Hydraulic requirement: 1x d.a.
Weight without attachments: about 150 kg

Frame adjustment: 750 - 1290 mm
Three-point category: Cat. 1/2



SB 2

Ideal frame to accommodate the modern undervine care systems RADIUS SL, RADIUS SL PLUS or MULTICLEAN. The frame can be combined for rear or front mounting. The SB2 is available for working widths from 1,740 mm to 3,200 mm - depending on the equipment. The adjustment to the row width is done hydraulically.

TECHNICAL DATA

Hydraulic requirement: 1x d.a.
Weight without attachments: about 175 kg

Frame adjustment: 1010 - 2010 mm
Three-point category: Cat. 1/2



SB MONO

Would you like to work permanently with only a single-sided undervine care device, but as comfortably and safely as possible? For this case we have developed the SB MONO, which can be used for front and rear mounting. The hydraulic width adjustment can be easily converted from right to left. The base frame can be hydraulically adjusted by 500 mm from 960 to 1,460 mm on one side by means of a cylinder, either to the right or to the left.

TECHNICAL DATA

Hydraulic requirement: 1x d.a.
Weight without attachments: about 103 kg

Frame adjustment: 960 - 1460 mm
Three-point category: Cat. 1/2



SB ORCHARD

This frame can be adjusted from 2258 - 3258 mm. The base frame serves as tool carrier for e.g. RADIUS, MULTICLEAN, GSP Disc or Finger Roller and can as well be equipped with lateral column lifters. The picture shows equipment with 2 double acting COMPACT Lifters. This structure allows the independent lifting of each side and also height adjustments in terraces. It is also advantageous for the work in Chevron shaped rows or in end rows. By lifting the side that is not being worked on, machines and headland are spared.

TECHNICAL DATA

Hydraulic requirement: 1x d.a.
Weight without attachments: about 175 kg

Frame adjustment: 2258 - 3258 mm
Three-point category: Cat. 1/2

TOOL CARRIER & CULTIVATOR HEXAGON



WITH FINGER ROLLER

- For a better force distribution due to the different sizes of the discs.



WITH RADIUS SL PLUS

- Front or rear mounted and also usable as a grubber



WITH FINGER HOE

The solid hexagonal sectional frame is suitable for the hardest operating conditions. High-quality spring steel gives enormous strength. The special wing-chisel share undercuts cover crop without destroying it.



WITH BISON TINES

Breaking up the tractor or harvester tracks. The curved shares lift the soil up to a depth of 40 cm.

TECHNICAL DATA

HEXAGON 723

HEXAGON 729

HEXAGON 724

Frame width:

Hexagonal base frame:
with hydr. adjustment width:

685 mm
782 - 1182 mm

825 mm
922 - 1462 mm

1140 mm
1240 - 2100 mm

Working width:

with chisel and wing share:

1185 - 1585 mm

1325 - 1860 mm

1640 - 2500 mm

Row width:

with chisel and wing share:
with RADIUS SL blade 370:
with RADIUS SL blade 500:
with RADIUS SL blade 620:

1500 - 1900 mm
1505 - 1905 mm
1785 - 2185 mm
2025 - 2425 mm

1600 - 2150 mm
1645 - 2180 mm
1925 - 2460 mm
2165 - 2700 mm

2000 - 2900 mm
1950 - 2820 mm
2240 - 3100 mm
2480 - 3340 mm



„In my opinion, the best machine on the market. Very short frame, easy to assemble and disassemble. This is already my second purchase.“

OLIVIER AND RÉMI KLEIN, WINERY DOMAINE REMEJEANNE (35 HA)

CULTIVATOR TERACTIV



TERACTIV

With this frame specially developed for difficult soil conditions, the entire row can be worked quickly and optimally in just one pass. The special kinematics of the mechanical NONSTOP overload protection works continuously and loosens the soil sustainably. Due to the special share shape, the tools are pulled quickly into the soil. Any organic matter can be reliably worked in, producing an intensely mixed soil. For short headlands, the machine is optionally available with hydraulic vertical lift of 75°.

TECHNICAL DATA

Hydraulic requirement: only with option 1x d.a.
Weight without attachments: about 210 kg
Frame adjustment: 1130 - 1610 mm

Row width with RADIUS:
370 share: 1910 - 2390 mm
500 share: 2170 - 2650 mm
620 share: 2410 - 2890 mm



TERACTIV DUO

The cultivator for the cultivation of open and green rows in alternation. With the TERACTIV DUO you have on the one hand the option to work the row completely and on the other hand to carry out in a covered lane exclusively the undervine care. For this purpose, the frame with the spring tines is lifted by 75° and the roller is folded downwards, which stabilises the frame by resting on the covered lane while working in the area between the vines. The part of the frame on which the RADIUS SL or RADIUS SL PLUS weeder units are mounted is optionally hydraulically adjustable.

TECHNICAL DATA

Hydraulic requirement: 2x d.a.
Weight without attachments: about 400 kg
Frame adjustment: 1130 - 1610 mm

Row width with RADIUS:
370 share: 1900 - 2440 mm
500 share: 1900 - 2700 mm
620 share: 2400 - 2940 mm



TERACTIV EASY

Similar to the TERACTIV, the TERACTIV EASY optimally intermixes and ventilates the soil with its integrated spring package in each tine unit. However, the frame construction is designed as a rigid variant and thus guarantees stability even in difficult conditions. By using cranked tines, rows from a width of 1.80 m can be processed.

TECHNICAL DATA

Hydraulic requirement: none required
Weight without attachments: about 450 kg
Frame adjustment: 1180 - 1660 mm

Row width with RADIUS:
370 share: 1920 - 2400 mm
500 share: 2180 - 2660 mm
620 share: 2420 - 2900 mm



TERACTIV FLEX

The special feature of the TERACTIV FLEX within this product group is its hydraulic width adjustment. RADIUS SL, RADIUS SL PLUS, GSP disk, finger roller and finger hoe can be attached to the cultivator to combine further operations. The working depth can be optimally regulated via a top link between the equipment frame and the roller frame (optionally crumbling or cage drum roller). Further mounting options are also possible.

TECHNICAL DATA

Hydraulic requirement: 1x d.a.
Weight without attachments: about 675 kg
Frame adjustment mechanical: 1376 - 1916 mm

Row width with RADIUS:
370 share: 2116 - 2656 mm
500 share: 2376 - 2916 mm
620 share: 2616 - 3156 mm

LIFTERS



VITICULTURE



FRUIT GROWING



TREE NURSERIES



S5

The 1- or 2-sided installation of the column lifter in the area between the axles allows you to simultaneously work on the undervine area while another machine is mounted in the front and/or rear of the tractor. The single-acting version uses a support wheel for depth regulation, for extremely hard soil conditions a double-acting version is also available.

TECHNICAL DATA

Weight without attachments: about 50 kg
Length x width x height: about 700x200x1000 mm
Stroke (maximum): 500 mm



ATLAS

The ATLAS mast is characterized by the hexagonal profile proven with the HEXAGON frame. Due to its construction and the resulting load capacity, it is ideally suited for increasing demands. In combination with the hydraulic lateral inclination, the working implement can be optimally placed in working and driving positions. Adaptability of attachments of all brands.

TECHNICAL DATA

Hydraulic requirement: 1x s.a.
Weight without attachments: about 100 kg
Length x width x height Lift mast (retracted) about 190x300x1355 mm
Stroke (maximum): 950 mm



3-POINT + S2R

Front mount with 3 point linkage. The compact solution for multiple CLEMENS products like the ECO-ROLL, SB COMPACT, SB2, SB MONO, etc... Allows easy attachment of the tools. Easy way to upgrade your tractor with a 3-point linkage.

TECHNICAL DATA

Hydraulic requirement: 1x s.a. or 1x d.a.
Weight without attachments: about 120 kg
Length x width x height: about 475x770x1375 mm
Stroke (maximum): 500 mm



OVER THE ROW

Simple front mounting with over-the-row frame. Can be easily adapted to mast from other manufacturer. The distance between both arms can be adjusted hydraulically and mechanically. To reduce the risk of collision a spring is mounted on the arm opposite to the tractor.

TECHNICAL DATA

Working height (with 22.5° tilt): 580 mm
Length x width x height: 730x900x1750 mm
Weight: 86 kg



MID-MOUNTING FRAME



The execution of multiple operations in one pass saves time and money. Oftentimes though, the length will be unhandy or impractical, if working machines are mounted in the front and rear. Our side-mounting frame offers an efficient and compact solution, as it serves as an adapter for our series of undervine care equipment. The basic frame with the column lifters is fixed and can be equipped with the currently required implement. The frame can be attached to different tractors using the respective mounting brackets.

- ✓ Efficient
- ✓ Comfortable
- ✓ Adaptable

TECHNICAL DATA

Hydraulic requirement: 1x d.a.

Weight without attachments:
about 125 kg (depending on variant)

Dimensions without attachments:
2-sided with 270 mm cylinder: about 445 x 740 x 230 mm
2-sided with 430 mm cylinder: about 445 x 1100 x 230 mm
1-sided with 270 mm cylinder: about 445 x 665 x 230 mm
1-sided with 430 mm cylinder: about 445 x 1017 x 230 mm



SEED DRILL



SEED DRILL MECHANICAL

Unproblematic mounting and simple application. Suitable for rotary harrows, cultivators, WIESENHOBEL and other tillage implements. The light and solid machine is almost completely made of stainless steel and convinces by the gentle spreading of the seeds. The spread rate can be precisely dosed.

TECHNICAL DATA

Filling capacity:
Model 1 m: about 90 l
Model 2 m: about 180 kg
Number of outlets: Model 1 m: 15 pcs. Model 2 m: 28 pcs
Weight without contents: Model 1 m: about 45 kg
Model 2 m: about 73 kg
Length x width x height:
Model 1 m: about 480 x 1075 x 510 mm
Model 2 m: about 480 x 2080 x 545 mm



SEED DRILL PNEUMATIC

The pneumatic seed drill offers many advantages. The electrically controlled seed shaft transports the seed from the container into the air channel. Here the seed is conveyed with the aid of the blower via flexible hoses to the baffle plates and distributed evenly and close to the ground. This ensures exact seed application even in windy conditions!

TECHNICAL DATA

Filling capacity: Model PS120: about 120 l
Model PS200: about 200 l
Number of outlets: Both models: 8 pcs.
Weight without contents:
Model PS120: about 45 kg
Model PS200: about 60 kg
Length x width x height:
Model PS120: about 900 x 600 x 800 mm
Model PS200: about 1.000 x 700 x 900 mm

SOIL CULTIVATION ECO-ROLL



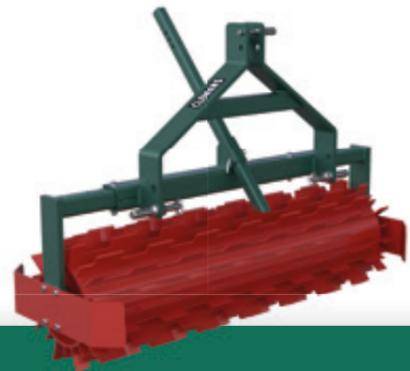
VITICULTURE



FRUIT GROWING



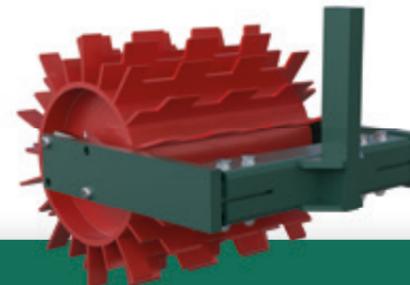
TREE NURSERIES



RIGID



**HYDRAULICALLY
ADJUSTABLE**



**FOR OVER-ROW
TRACTORS**

The BIO mulch roller ECO-ROLL is the alternative to mulching. The roller can be run without any problems during any operation. The ECO-ROLL compresses the vegetation, whereupon the spades mounted on the roller kink the stalks and thus fold them over. The result is a mulch carpet that promotes good shadow fermentation. The plants sprout again at the vegetation point and provide the next organic carpet. With legumes, this method stimulates the growth of the nodule bacteria (rhizobia) and increases the nitrogen-collecting effect.

TECHNICAL DATA

ECO-ROLL 400 (For high wheel tractors):
 ECO-ROLL 500 (For high wheel tractors):
 ECO-ROLL 600 (For high wheel tractors):
 ECO-ROLL 1000:
 ECO-ROLL 1200:
 ECO-ROLL 1300:
 ECO-ROLL 1350:
 ECO-ROLL 1400:
 ECO-ROLL 1500:
 ECO-ROLL 1600:
 ECO-ROLL 1800:
 ECO-ROLL 2000:

WORKING WIDTH

400 mm
 500 mm
 600 mm
 1000 mm
 1200 mm
 1300 mm
 1350 mm
 1400 mm
 1500 mm
 1600 mm
 1800 mm
 2000 mm

EXTERNAL SIZE

485 mm
 585 mm
 685 mm
 1085 mm
 1285 mm
 1385 mm
 1435 mm
 1485 mm
 1585 mm
 1685 mm
 1895 mm
 2095 mm

WEIGHT WITH 3 POINT FRAME

ca. 115 kg
 ca. 135 kg
 ca. 155 kg
 ca. 277 kg
 ca. 314 kg
 ca. 330 kg
 ca. 340 kg
 ca. 355 kg
 ca. 375 kg
 ca. 394 kg
 ca. 472 kg
 ca. 512 kg



SOIL CULTIVATION ROTARY HARROW



ASCOT

Whether mechanical soil cultivation, seedbed preparation or optimum levelling of the tramline. The Ascot power harrow is a reliable and low-maintenance aid for all work in your row crops. The vertically rotating knives of the rotary harrow ensure a perfect track without soil compaction, which is of benefit to you for subsequent maintenance work. The double-bearing tines are driven by a robust spur gear running in fluid grease. For a particularly even soil surface, a spindle-adjustable levelling coulter is optionally available. The drive is via a 540 rpm PTO shaft.

TECHNICAL DATA

Total width:
Working width:
Tine units:
Weight with cage roller:
Weight with packer roller:

ASCOT 100

1043 mm
961 mm
5/10
331 kg
352 kg

ASCOT 120

1223 mm
1141 mm
6/12
365 kg
391 kg

ASCOT 140

1403 mm
1321 mm
7/14
399 kg
430 kg



VITIS

Mechanical soil cultivation, seedbed preparation and optimum levelling of the ground. Perfect surface for subsequent maintenance work without soil compaction due to vertically rotating blades. The tines are mounted in three bearings and are driven by a robust spur gear running in fluid grease. The shaft units are self-lubricating. A spindle-adjustable levelling bar is available as an option.

TECHNICAL DATA

Total width:
Working width:
Tine units:
Weight with cage roller:
Weight with packer roller:

VITIS 100

935 mm
805 mm
3/6
433 kg
486 kg

VITIS 125

1255 mm
1150 mm
5/10
534 kg
610 kg

VITIS 140

1425 mm
1370 mm
6/12
577 kg
664 kg

VITIS 170

1695 mm
1590 mm
7/14
631 kg
733 kg

VITIS 190

1915 mm
1810 mm
8/16
681 kg
795 kg

SOIL CULTIVATION MULCHER



Variable mulcher for wine and fruit growing works excellently in vegetation management and is also suitable for shredding vine cuttings. It is driven by a 540 rpm PTO and a factory supplied cardan shaft with slip clutch. A double-acting control unit is required for hydraulic width adjustment. The two rotating blade carriers, each equipped with two freely movable blades, guarantee a high mulching speed with low power requirement. The cutting height is adjusted at the front by large adjustable support wheels and at the rear by a continuously adjustable roller. This guarantees the best running characteristics, even on uneven terrain. Maintenance-friendly due to few lubrication and oiling points and low-wear blades.

- ✓ Variable
- ✓ Stable
- ✓ Agile



TECHNICAL DATA

Weight: 480-590 kg
Working width, min/max.:
 Model S: 1150-1450 mm
 Model M: 1300-1750 mm
 Model L: 1400-1900 mm
 Model XL: 1600-2150 mm

Required tractor power:
 Model S, M, L: 50-70 HP
 Model XL: 60-80 HP

Three point category: 1/2



Why CLEMENS? „Because of the proximity of the dealer, the good reputation of the brand and to be able to work in different widths.“

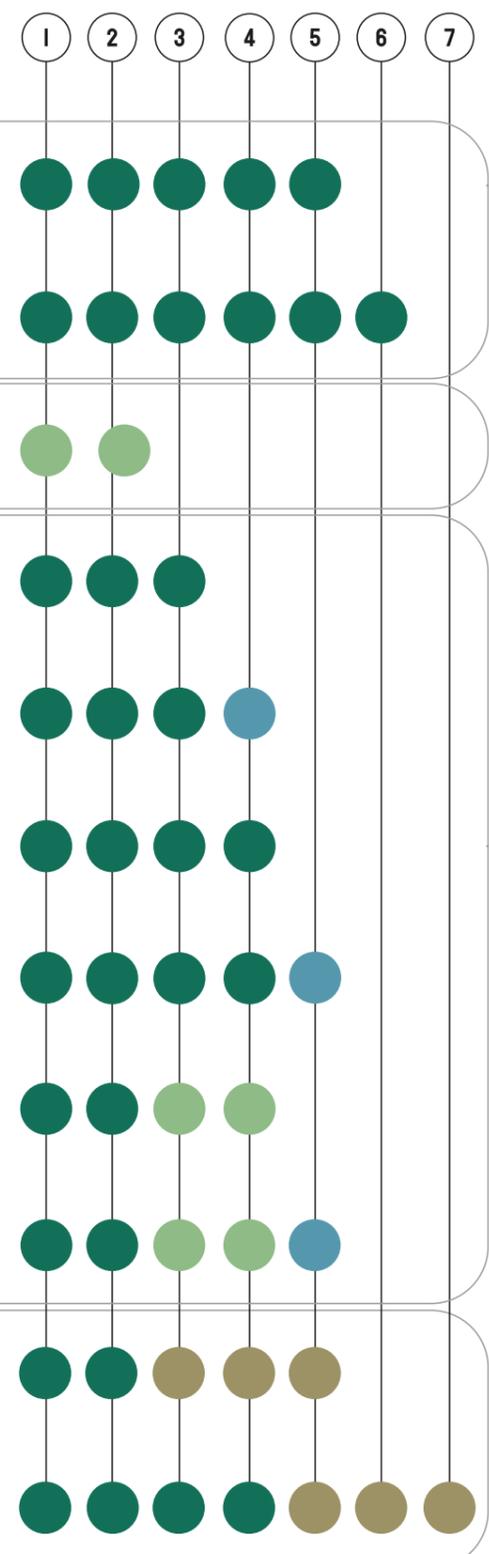
MR ALAUZEN, WINERY DOMAINE DES MATASSIÈRES (120 HA)

CONTROL C-DRIVE



NUMBER OF FUNCTIONS

- double acting valve
- single acting valve with floating position
- double acting valve as deviation valve
- double acting valve with floating position



You do not have enough control valves on your tractor to operate different hydraulically driven implements or adjustment functions at the same time? With the C.DRIVE system, we offer you a convenient and cost-effective solution. The large variability from 3 to a maximum of 7 additional valves enables the exact adaptation to your requirements. These valves (and also certain tractor functions) are operated via a touch screen and a multifunction joystick in the driver's cab.

- ✓ Progressive
- ✓ Intelligent
- ✓ Sustainable



OPTIONS

- On request also proportional blocks up to 12 double-acting functions
- Presetting possible via CLEMENS application via smartphone

VITICULTURE APP MOOSLE

Less paperwork. More viticulture.



Moosle is a state-of-the-art cloud software solution that provides you with detailed and smart support throughout your outdoor operations. Whether it's a job index, task planning, documentation, inventory monitoring, integration of telemetry or analysis of your workflows: You have everything you need for efficient operations management under one roof, without having to sacrifice time for complex administration. It doesn't matter whether you use Moosle with a mobile phone, tablet or PC: All functions are always available to you - even in a dead zone. In addition to built-in navigation functions, the user-friendly Moosle app is currently available in 12 different languages, so that every worker can enjoy the benefits of the app without any misunderstandings.

- ✓ Simple operation
- ✓ Time-saving
- ✓ Modular

LIVE-TRACKING

The tractor operator can additionally record his work by GPS and thus no longer has to worry about forgetting individual areas. Not even when driving with multiple machines, because the progress synchroni-

zes on all devices in real time. As a boss, you always have an overview of where your employees are currently working.



VITICULTURE



FRUIT GROWING



TREE NURSERIES



Easy registration,
test immediately!

PLANT PROTECTION/ FERTILIZER

The inventory of all consumables can be managed in Moosle. Especially the consumption of pesticides and fertilizers are documented separately and prepared professionally. This way, even organic winegrowers can calmly look at the documentation.

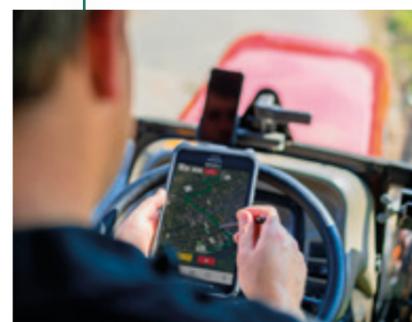
TASK PLANNING

With the program, work orders can be sent to all employees in seconds. If workers are not familiar with your vineyards, they can be guided to the fields via our fully integrated navigation function.

HIGHLIGHTS

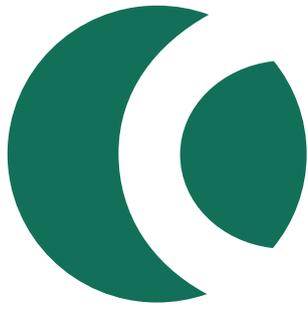
- Smart Impact file
- Claims management
- Machine management
- Documentation
- Stock monitoring
- Multilingual
- Analysis of the work flow
- Integration of telemetry (individ. settings)

While they work through the task, the winemaker always has an overview of the current progress and can view detailed evaluations of hectare speeds and other key figures of the work progress.



„With Moosle, we have found a software that makes life easier for us. We effortlessly document our crop protection additionally because we have Moosle running on our mobile phone in the tractor.“

JÖRG BERNHARD - WINERY BERNHARD



CLEMENS

TECHNOLOGIES

Since its foundation in the year 1952 by Bernard and Mathias Clemens, the CLEMENS Company has been producing vineyard and agricultural machines with superior strength and durability. The company is family owned and is represented today by Thomas and Bernhard Clemens, both sons of Bernard. CLEMENS develops, manufactures and distributes high quality, unique and innovative products like the RADIUS Around-the-vine Weeder, HEXAGON, a strong utility frame for different cultivation tools and ROTARY BRUSH for sucker removal, and several

more machines for various applications. CLEMENS machines are the key to successful vineyard management. Besides special services for winery technologies, we also supply special tank-designs with equipment and materials based on the customer's demand. Individual tasks are always taken care of with total dedication, to ensure our client's needs are fulfilled. More than 80% of all products are exported all over the world, which shows the strength and demand of our machines. Currently CLEMENS is represented in more than 35 countries.



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