

WE BRING THE SUN TO PLANTS

TECHNOLOGY FOR ROW CULTURES



- SUBSOILING
- PLANTING
- GRUBBING
- CRUMBLING
- WEED CONTROL
- FERTILIZING
- WEED REGULATION
- STEM CLEANING
- DEFOLIATING
- VINE REMOVAL
- LEVELLING

HEXAGON

1 EXTREMELY SOLID



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

2 UNIVERSAL



The mounted disc harrow with hydraulically adjustable units is outstandingly suitable for working in all kinds of cover crop.

Technical data:

Hexagonal base frame
with hydr. change in width
with chisel and wing share
with chisel and wing share

with Radius SL blade 14 in
with Radius SL blade 20 in
with Radius SL blade 24 in

Frame width
Frame width
Working width
Row width

Row width
Row width
Row width

HEXAGON 723

27 in
31-46 in
47-162 in
59-75 in

59-75 in
71-87 in
79-94 in

HEXAGON 729

32 in
36-57 in
52-73 in
63-85 in

63-87 in
75-98 in
85-106 in

HEXAGON 724

45 in
49-83 in
64-98 in
79-114 in

77-110 in
89-122 in
98-133 in

Widening possible in 16 in steps. Height 63 in, length 55 in, weight according to equipment

3 SERRATED DISC PLOUGHS



For rational ventilation in the sensitive undervine area with simultaneous weed control.

4 ENORMOUS EFFECTIVENESS



With CLEMENS RADIUS mounted on both sides, the row is cultivated completely in one run through.

WITH THE HEXAGON WE OFFER YOU THE UNIVERSAL SOLUTION FOR SOIL CULTIVATION!

5 IMPLEMENT CARRIER

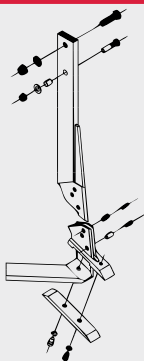


Front or rear mounted and also usable as a grubber. Implement carrier for the hydraulic Radius around-the-vine weeder or rotary brush.

6 DEEP FERTILIZATION



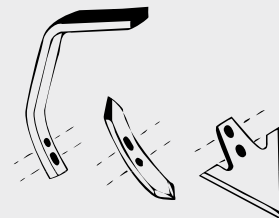
Through the well directed deposit of fertilizer in the root area, the nutrients are immediately available to the plants, even in longer periods of drought. The fine root formation is stimulated and lastingly improved.



Tine made of spring steel
80 x 25 with share
Fastening adjustable
Removable wing share
Chisel can be used on both sides

TIP! MORE INFOS ONLINE
WWW.CLEMENS-ONLINE.COM

C tines 50 x 22
Grubber share
Duck-foot share



7 TRACTOR TRACKS



Very good breaking-up of vehicles tracks, especially in the case of green areas. Para shares for optimal subsoil loosenin

8 LOOSENING + VENTILATING



C tines made of spring steel for soil tilling with grubber or duck-foot share. Various combinations make soil cultivation possible all year round.

SB frame

9 SB 1

(PICTURE FRONTMOUNTING, REAR MOUNTING ALSO AVAILABLE)



10 SB 2

(PICTURE REAR MOUNTING, FRONT MOUNTING ALSO AVAILABLE)



Light implement frame with hydraulic width adjustment for undervine cultivation for mounting in front and rear. Optionally available with a pump tank hydraulic unit. Ideal frame for mounting the modern undervine weeding system Radius SL or rotary brush. SB1 and SB2 are available in two different frame widths for cultivating rows from 1.40 yard to 3.50 yard, with widening up to 3.90 yard – depending on the equipment.

Technical data (front and rear mounting):

SB 1

SB 2

Weight (lbs) (without accessories)

app. 198 lbs

app. 375 lbs

Approx. dimensions LxWxH (in) (outside spar edges)

22 x 24 x 24

24 x 40 x 29

For row widths (in) with Radius blade 14in/20in/24in

51-67/161-77/71-87

68-108/79-118/88-316



RADIUS SL

11 WITH ROTARY TILLER



12 WITH CLEARING SHARE



TIP! MORE INFOS ONLINE
WWW.CLEMENS-ONLINE.COM

RADIUS round-the-vine weeder: the environmentally friendly alternative to chemical weed control. The weeds rot in a natural manner. Less dry stress through destruction of the capillaries. 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.

Technical data:

Oil quantity/device required: 6,3 – 10,5 quart/min	working depth: 2 – 4 in	blade length: 14 / 20/ 24 in
with rotary weed clearer/device: 22 – 26,4 quart/min	working speed: 3 – 6 m/h	weight: app. 72 lbs
universally mountable, also on already existing cultivators, flail mowers, hydraulic rotary harrow, etc.		



TERACTIV

13 FOR ACTIVE SOILS



TIP! MORE INFOS ONLINE
WWW.CLEMENS-ONLINE.COM

Extremely solid cultivator for perfect soil cultivation in difficult soil conditions. The special kinematics of the mechanical NON-STOP overload protection works permanently actively and loosens the soil enduringly. Thanks to the special share form, the tools retract quickly. Existing organic mass can be worked in effectively. In the course of this the soil is mixed intensively.

Options for the device are a hydraulic steep-lift of 90° as well as widening in 20" grids.

Technical data:

Weight (lbs) (without accessories): app. 573
approx. dimensions LxWxH (in): 91 x 42 x 43
(width outside par edges, retracted state)

With Radius SL blade 14 in: 71 to 91 in
With Radius SL blade 20 in: 83 to 102 in
With Radius SL blade 24 in: 91 to 110 in

Overload protection: non-stop
Oil pressure (psi): 2538
Steep-lift: 90°



POWER harrow



14 WITH CAGE ROLLER AND SOWING MACHINE



15 WITH PACKING ROLLER



Technical data:

	TK100	TK130	TK150	TK175		TK100	TK130	TK150	TK175	
Total width, in:	43	53	62	73	Weight, lbs with cage roller:	979	1116	1294	1358	Input speed, rpm: 540
Working width, in:	43	52	61	72	Weight, lbs with packing roller:	-	1254	1455	1554	Power requir. HP/kW: 40/30

VIBRATING subsoiler

16 TLK 883 1-SHANK



17 TLK 884 2-SHANK



Technical data:

	TLK 883	TLK 884	
Working depth max. in:	24	24	Spacing of the subsoiling chisel, TLK884: 57 in
Width of the vibrating share, in:	14	14	
	Power requirement, HP/kW:	40/30	80/60
	Weight, lbs:	573	1344
			Input speed, rpm: 540

OVER ROWS

18 SPRAY CHAMBER



TIP! MORE INFOS ONLINE
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Drift-free application of contact herbicides for the rational removal of suckers. Additional benefit: Application of soil and leaf herbicides for weed control in the plant strip

Technical data:

Application quantity, gal/acre:	26/741
Area capacity/hour:	2,5 acre
Weight, lbs:	25

19 ROTARY BRUSH



Simple mounting on column lift, front mounted, over-the-row frame, cultivator or hexagon. Swivelling path and spring pressure adjustable. Options: Water injection against dust, wire lifting device

Technical data:

Working height (with 22.5° tilt), in:	23
Oil requirement, gal/acre:	17-25
Weight, lbs:	86



20 EASYPLANT



EP – Vine-planting machine with storage box, Measurement of vine spacing with marked tape. Camera assisted help for straight driving.

Technical data:

Capacity range:	up to 900 plants/h
Power requirement, HP/kW	50 / 38
Weight, lbs:	838

21 RPM



RPM – Vine-planting machine with spade system for planting root vines and potted vines. Automatic water administration of 3 l/plant. Option: Directional control by laser.

Technical data:

Capacity range:	1200 – 1800 plants/h
Power requirement, HP/kW:	over 80 / 60
Weight, lbs:	2866

22 DEFOLIATER



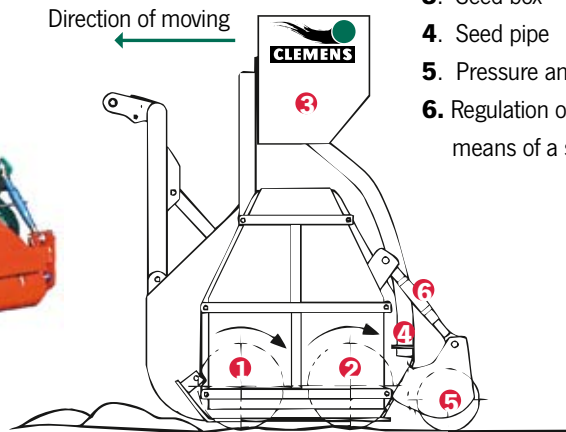
Optimal regulation of the intensity of the defoliation and controlled separation of the grapes by means of rapidly adjustable deflector bars. Early defoliation increases the total phenols and anthocyanins, therefore very interesting in the case of red wine varieties. Double defoliation of the grapes area by means of two rotors. The improved ventilation and exposure to light lead to a rapid drying of the grapes and reduces the infection with botrytis. Grapes well exposed to light reduce the malic acid and increase the flavouring agents. Recommended by leading viticulture institutes.

Technical data:

Suction capacity, cft/h	706.293
Working range, in:	16-31
Oil requirement, gal/acre:	6
Weight, lbs:	97

PRAIRIE GRADER

23 PRAIRIE GRADER 230 The specialist for dealing with damage caused to green areas by wild



1. Endless screw, discharging to the right
2. Endless screw, discharging to the left
3. Seed box
4. Seed pipe
5. Pressure and support roller
6. Regulation of the working depth by means of a spindle

Technical data

Depth x width, in:	49 x 98	Initial speed, rpm:	540
Height without / with sowing device, in:	43 / 55	Power requirement, HP/kW:	60 / 45
Reduction gears:	1,93:1	Weight without / with sowing device, lbs:	1594 / 1830

SERVICE

The Clemens Company is noted for its extremely robust and reliable agricultural machines. Furthermore, we have a large range of spare parts available, with over 30,000 articles which we can supply in inland within 24 h. In addition, we offer an after-sales service which, on request, will repair or service your appliances at our works.

In the case of any further questions on the topic of service and demonstrations, we will gladly help you further at the phone number 06571 / 929 -00.

Lead through innovation: In close collaboration with universities, educational establishments and customers, Clemens is constantly developing new products and ideas. We have been awarded national and international prizes for this again and again. In 2009, the founder, Mr Bernard Clemens, was awarded the first Golden Mosel Medal in recognition of his commitment for the maintenance and promotion of viticulture in the steep vineyard sites along the Mosel. Attendance at international trade fairs, continuous product development, opening up of new markets and expansion of the range of products, as well as investments in modern machine equipment ensure the growth of the Clemens Company at its location in Wittlich, Germany, in future, too.



VINESCOUT

AUTOMATIC STEERING SYSTEM – EASY OPERATION CAN BE USED IN MANY DIFFERENT WAYS

The “VINESCOUT” system is an automatic steering system that can be adapted to all existing types of tractor with hydraulic steering and can be used in viticulture and fruit-growing with a spacing of 1.64 yard and 3.50 yard between rows.

The plotting of the row takes place by means of a 3D camera system. The optimal track calculated is driven along by means of a separate steering valve with an accuracy of ± 1 in.

The greatest potentials of the fully automatic “VINESCOUT” tractor steering system lie in taking the strain of the actual steering process off the tractor driver thus allowing him to give his attention to stress-free steering of the multi-row cultivating appliances (foliage work, plant protection).



OVER THE WINE

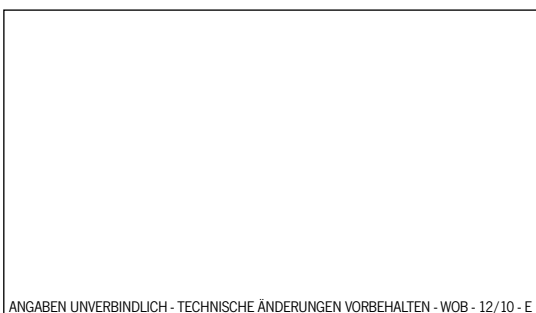
HISTORY

CLEMENS

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 under vine de-weeder the "RADIUS", a strong utility frame for different cultivation tools the "HEXAGON", the „SPRAYING CHAMBER“ 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 70% 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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