

Westermann

Seit
1989

Radialbesen



Product catalogue 2017



english | as at: June 2017

Foreword

Dear ladies, dear gentleman, dear business partners!

Times goes by - in 2014 company Westermann already celebrated it's 25th birthday!

In previous years, the company Westermann has grown rapidly. Today we are one of the most successful providers for cleaning technology in Europe and we supply our customers in 38 countries worldwide - I am very proud of that!

The continually increasing size of the workforce shows the success of Westermann products range and that „Made in Germany“ is very important. The trained and always motivated team has grown together in all this years and this is the basis of the day-to-day business life.

For us as an innovative producer of different cleaning machines the win of the gold medal on the EuroTier 2008 in Hannover was a special highlight. With this award we got worldwide recognition and positive feedback. We see this award as a reflection of our hard work.

I thank all my customers for their trust in us and our machines. We will always give our best to keep up to this expectations.

Yours



Alfons Westermann



One special thing is most important for the hole team of Westermann - the customer satisfaction!

That is what all our qualified employees work for every day, either in the production sector, in the sales sector or in the service sector - at Westermann the customer is king. Of course we advise you in detail which machine is the optimal choice for your needs and we deliver it to your home if you wish to.

We help you if you have any questions or if you have to change any spare parts. We accept every suggestion for a further developement of our machines. If you are interested in our machines - just call us, we are already looking forward to it!

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The history of Westermann

Alfons Westermann completed a locksmith education, then he worked as a journeyman for four years. At the age of 23 he went to Osnabrück for completing a further education to become a mechanical engineering technician. Alfons Westermann was only 25 years old when he took the step into the self-employment - only 2 months later, in November 1989, he presents his motorized radial sweeper on an exhibition in Frankfurt a.M. Here he found his first contacts to customers from the agricultural sector.

First the company was housed in Mr. Westermann's parent's barn, then it moved into an old dairy of the village Lengerich. In 1995 a hall of 400 m² was built, seven years later this hall was enlarged to 600 m².

The capacities for this economically successful company were not enough and further growing at the previous location was not possible. So there had to be found an alternative: the company moved again in 2007 - to Meppen.

The location, the accessibility and the plot size were decisive for Meppen. "It is not far from the Schützenhof to the city", declares Alfons Westermann. "Even the inter-regional transport connections are excellent." The company is located in close proximity to the main road B70 and in short distance to the highway A31. Because of the forthcoming expansion of the street E233 the company soon can be reached very easily from every direction. "This is an advantage for our customers and our own logistic. We can deliver all our products very quickly and without any problems."

Furthermore also Westermann's supplier can be reached very good from this location in Meppen. „All material for building the frames of our machines come from this region. Meppen is very central in the Emsland, so it is the ideal control center for us."

After purchasing an adjoining hall complex in 2014 now the company currently has 7000 m² of hall space and an office complex on a total land area of two Hectares. So there is space for further growing.



Alfons Westermann with the radial sweeper 800, 1989



Westermann corporate building in Lengerich, 1995



Fig.: Westermann corporate building, 2016

The way from the layout up to the finished machine



After the first ideas comes the layout and the further development at the computer, made by high qualified engineers and mechanical technicians. Nevertheless, the small details make the difference. Such as the big and stable tyres at our attachment sweepers, which carry the machines safely above every underground.

After the development of a prototype, which has to pass various phases of tests, the final production begins. The production of the individual parts of our machines by different suppliers in Germany is subjected to constant quality control. By the way, we can use their best machines, technologies and know-how for the production of the parts for our machines.

In our own factory building our motivated and qualified employees put the machines together by handwork. It should be noted that all individual parts are screwed and not welded. This ensures a fast and uncomplicated exchange of spare parts.

Because of this method the different parts of the machines are galvanized and painted and after screwing together. That is why all these parts are completely covered with the protective layer. So, as one more key plus point, rusting of the steel is nearly excluded.

What accentuates the machines of Westermann:

- very easily to handle
- high quality, robust, durable
- multifunctional applications possible
- independent of any seasons, usable all year round
- because of screw connection very simple replacement of spare parts
- perfect for private households, agriculture or commune



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Westermann
Radialbesen



Fig.: WR 870 charger

Radial sweeper - our multitalent at a glance

Characteristics

The Westermann radial brush is an assistant in different areas of application for decades: Either if it is used as pure sweeper for area maintenance or it is used for pushing food in agricultural holding. The powerful radial brushes by Westermann nearly brush every material.

Because of the angle of the brush this machines work perfectly on unevennesses as well and in all corners. The greatest advantage of the radial brush is the fact that it removes large volumed dirt which has long fibres in only one passage. It also lays the dirt down in a clean windrow. The debris can be pushed into a collecting system (Cleanbag).

The user has the choice between a powerful battery technic or a combustion engine.

Here the radial sweeper facilitates your work

Private households: footpaths, sidewalks, entrances, winter service (sweeping snow)

Agriculture/
Trade: footpaths, entrances, feedalleys, horse yards, planting foils (gardening, horticulture company,...), industrial and commercial sites, winter service (sweeping snow)

Commune: Footpaths, sidewalks, public facilities (schools, hospitals,...)
sports facilities, winter service (sweeping snow)

WR 650 charger
WR 870 charger
WR 870 charger PRO
WR 870 Honda
WR 870 Honda PRO



Westermann
Radialbesen

Radial sweeper

WR 650 Accu



Fig.: WR 650 accu

WR 650 charger

Advantages and characteristics

- very easy handling
- reaches into every corner, perfect sweeping of unevennesses because of their brush angle
- removes large-volumed and long-fibered dirt
- nerly silent functioning
- excellent performance in foliage elimination and sweeping snow



You will find the video of WR 650 charger right here!



Fig.: WR 650 charger with Windrow maker

Convincing in winter service:



Assistent for sweeping snow.



WR 650 accu for cleaning small areas.



WR 650 accu with collecting system Cleanbag.

Type of machine	WR 650 charger
Brush drive	12-V-DC motor
Battery	12V 18Ah gel battery
Charger	special charger with automatic switch-off (overchargeprotection)
Duration of use	up to 45 minutes per battery charge
Brush	Polypropylen brush
Working width	650 mm
Direction of rotation of brush	left/right
Area coverage	up to 1500 m ² /h
Height of brush container (incl. brush)	18 cm
Tyres	pneupatic tyres 260/85 with ball bearings (groove ball bearings)
Guiding wheel	125er solid tyre
Weight	26 kg
Accessory	Windrow maker 650er, Cleanbag 650er

(Technical data are approximate and non-binding.)





Westermann
Radialbesen

Radial sweeper

WR 870 charger
WR 870 charger PRO

The machines of the 870er series with the additional description „PRO“ only differ in the height of their brush container. The higher the brush container, the bigger volumed material can be swepted.



*Fig.: WR 870 charger
for difficult surfaces*

Experience the

NEW GENERATION ▶▶▶

WR 870 charger / WR 870 charger PRO

Advantages and characteristics

- very easy handling
- reaches into every corner, perfect sweeping of unevennesses because of their brush angle
- removes large-volumed and long-fibered dirt
- nearly silent functioning
- excellent performance in foliage elimination and sweeping snow

Convincing in winter service:



Sweeping snow - quickly done.



Picking up dirt with collecting system Cleanbag.



Reliable at the feed alley.



Perfect for horse yards.

Fig.: WR 870 charger

Type of machine	WR 870 Charger	WR 870 Charger PRO
Brush drive		12-V-DC motor
Battery		12V 66Ah battery
Charger		special charger with automatic switch-off (overchargeprotection)
Duration of use		up to 2,5 hours per battery charge
Brush		Polypropylen brush
Working width		870 mm
Direction of rotation of brush		left/right
Area coverage		2500 m ² /h
Height of brush container (incl. brush)	18 cm	23 cm
Tyres		pneumatic tyres 260/85 with ball bearings (groove ball bearings)
Guidewheel	125er solid tyre	160er solid tyre
Weight		approx. 75 kg
Accessory	Windrow maker 870	Windrow maker 870 PRO

(Technical data are approximate and non-binding.)





Westermann
Radialbesen

Radial sweeper

WR 870 Honda
WR 870 Honda PRO

The machines of the 870er series with the additional description „PRO“ only differ in the height of their brush container. The higher the brush container, the bigger volumed material can be swept.



Fig.: WR 870 Honda PRO

Experience the

NEW GENERATION ▶▶▶

POWERED by
HONDA™

WR 870 Honda / WR 870 Honda PRO

Advantages and characteristics

- equipped with a high-quality Honda-Motor for steady power
- reaches into every corner, perfect sweeping of unevennesses because of their brush angle
- perfect for moving big food masses in agriculture
- removing big masses of material / snow
- sweeping regularly with the steel brush achieves very convincing results in the eco-friendly moss removal without any chemicals

Optional equipment:

- Industrial motor Honda GXV 160 OHV
- double bristles for cleaning tennis courts or sports facilities, narrow tyres for a broader ground pad of the tyres

Convincing in winter service:



Removes big masses of snow.



Für Wohngegenden geeignet.



Perfect for tennis courts and sports facilities.

wire brush

Fig.: WR 870 Honda with wire brush against moss

Type of machine	MBR 800 Honda	WR 900 Honda
Brush drive	Honda GCV 160 OHC (alternative: GXV 160 OHV) 4-stroke engine	
Duration of use	continuously	
Brush	Polypropylen brush, wire-PPN-mix, wire brush	
Working width	870 mm	
Direction of rotation of brush	left/right	
Area coverage	2500 m ² /h	
Height of brush container (incl. brush)	18 cm	23 cm
Tyres	pneumatic tyres 260/85 with ball bearing (groove ball bearing)	
Guidewheel	125er solid tyre	160er solid tyre
Weight	approx. 83 kg	
Accessory	Windrow maker 870	Windrow maker 870 PRO



Safely through the winter - with Westermann

Characteristics

The machines of Westermann, which are very flexible at use, also are a valuable aid in winter service: laborious shoveling and sweeping snow off sidewalks of private households, on agricultural holdings or on public places - all this belongs to the past because of our powerful machines.

All of the manual led radial sweeper, the multifunction machine Cleanmeleon 2 and even the Dozer with appropriate equipment remove snow without any problems - even wet and heavy snow masses.

Here the radial sweeper facilitates your work during the winter

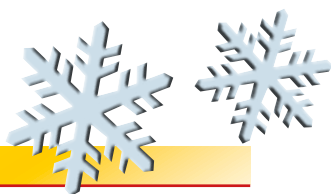
Private households: Footpaths, sidewalks, entrances

Agriculture/
Trade: Footpaths, entrances, courtyard areas, horse yards, industrial and commercial sites

Commune: Footpaths, sidewalks, public places, parking areas



Fig.: Cleanmeleon 2 with radial brush R 1000



Advantages and characteristics

Manual leaded radial sweeper

- very good cleaning results in sweeping snow on private areas
- sweeps snow perfectly on uneven undergrounds because of the angle of the brush
- deep wheel profiles prevent slipping on the snow

Cleanmeleon 2 • Cleanmeleon 2 XL

- sweeping snow with R 900 or R 1000
- pushing snow with the snow plough
- perfect workload for snow removal on large areas
- special option: a salt spreader as a trailer can be attached at the back

Dozer

- perfect grip on snowy underground because of deep profiles
- winter service with radial brushes, snow blower etc.



Fig.: CM2 with snow plough



manual leaded radial sweeper
CM2 / CM2 XL
Dozer



Westermann

Radialbesen

Besonderheiten

Dank der Zero-Turn-Lenkung glänzt das Cleanmeleon 2 durch Wendigkeit, Stabilität und Flexibilität. Egal ob beim Spaltenschieben, Liegeboxen auskehren, Einstreuen, Futtertisch ankehren, Hof- und Siloanlagen ausfegen, Moos- und Schmutzfegen, Schnee schieben oder dem Ziehen einer Futterkarre - unser Cleanmeleon 2 erleichtert Ihnen bereits seit über 10 Jahren entscheidend die Arbeit. Die Maschine (mit Benzin- oder Dieselmotor) wird hydrostatisch durch die Vorderachse angetrieben und passt sich so auch schwierigen Gegebenheiten an. Sie ist besonders lange haltbar, weil seine Karosserie aus 5 mm starkem und feuerverzinktem Stahl besteht.

Selbstverständlich ist ein schnelles An- und Abkuppeln der Anbaugeräte möglich. So wird in Kürze aus dem Einstreugerät eine Kehrmachine oder aus dem Schneeschieber ein Hochdruckreiniger.

Als Besonderheit hat der Cleanmeleon 2 seinen „großen Bruder“ zu bieten - den **Cleanmeleon 2 XL!** Bei nahezu gleichen Abmessungen wie das CM2 hat „der Große“ doch ungleich mehr Power. Noch robuster und leistungsstärker mit hoher Tragkraft ist diese Maschinen für sämtliche Arbeiten unter großer Belastung bestens ausgerüstet.

Hier erleichtert Ihnen das Cleanmeleon 2 Ihre Arbeit

Privathaushalte: Hofeinfahrten (Moos- und Schmutzfegen, Winterdienst (Schnee fegen, schieben und räumen)

Landwirtschaft/ Gewerbe: Hofeinfahrten (Moos- und Schmutzfegen), Pflanzfolien (Gärtnereien/Gartenbau betriebe), Pferdehöfe, Hofflächen, Spaltenböden reinigen, Spaltenböden waschen, Liegeflächen säubern, Einstreuen, Futtertischpflege, Futter aufbereiten, Siloplaten kehren, Tröge waschen, Stallreinigung, Winterdienst (Schnee fegen, schieben und räumen)

Kommune: Gehwege, Bürgersteige, Industrie- und Gewerbeflächen, öffentliche Einrichtungen z.B. Schulen, Krankenhäuser, etc. (Moos- und Schmutzfegen), Sportstättenpflege, Winterdienst (Schnee fegen, schieben und räumen)



Fig.: Cleanmeleon 2 with radial brush R 1000
(PPN brush, small picture / steel brush, big picture)

Cleanmeleon 2 - our allrounder at a glance

Cleanmeleon 2



CM2

- CM2 with axial sweeper AX 900 / AX 900-Electric
- CM2 with axial sweeper Perfekt 1050
- CM2 with radial brush R 900 / R 1000
- CM2 with food auger FA 800
- CM2 with snow plough
- CM2 with pushing shield 80 - 160
- CM2 scraper
- CM2 with scraper ASS 800 / ASS 900
- CM2 with lime and feed spreader
- CM2 with spreader

CM2 washer

CM2 Electric

CMA 800 Elektro - stand-on scraper

CM2 XL the diesel machine

Cleanmeleon 2 - the basic machine

The **allrounder**
for different
working assignments!

Advantages and characteristics

The Cleanmeleon 2 is Westermanns multifunctional machine par excellence.

Because of its compact and rugged design and the zero turn the CM2 is extremely agile, even in narrow areas. So cleaning small areas is no longer a problem. Different attaching machines make the CM2 extremely flexible to use. Either if it is used as a scraper or it is a perfect assistant at the feed alley when the machine is equipped with a radial brush or a food auger: with the CM2 every work can be done, quick and clean. The available attaching machines can be changed very easily and quickly in just a few simple steps - there is no need for additional tools. The CM2s continuously powerful mode of operation considerably eases the cleaning of stables and yards.

Of course the CM2 is perfect for cleaning public areas. Equipped with a radial brush oder with one of the two available axial sweepers „Perfekt 1050“ or „AX 900“ large quantities of leaves and other material on public areas can be removed easily and conveniently.

Type of machine	GXV 160 without hydraulic	GXV 340 without hydraulic	GXV 340 with hydraulic	Vanguard 2 cylinder with hydraulic
Motor (petrol, or diesel)	GXV 160 Honda	GXV 340 Honda	GXV 340 Honda	Briggs & Stratton Vanguard
Start	manual start	e-start	e-start	e-start
Power m ³	160 m ³	340 m ³	340 m ³	479 m ³
Hydraulic	without	without	with	with
Hydraulically power	none	none	13 ltr. / min	13 ltr. / min (18 ltr. / min, in consultation)
Drive	hydrostatical		hydrostatical	
Steering	chain steering		chain steering	
Weight (basic machine)	app. 195 kg (additional weights are possible if required)	app. 225 kg (additional weights are possible if required)	app. 260 kg (additional weights are possible if required)	app. 270 kg (additional weights are possible if required)
Size	L = 1800 mm, W = 770 mm, H = 1070 mm		L = 1800 mm, W = 770 mm, H = 1070 mm	
Chassis	5 mm zincod		5 mm zincod	
Tyres	AS tyres 16 x 6.50-8		AS tyres 16 x 6.50-8	
Lifting up of attaching machine	mechanical	mechanical	mechanical or hydraulical	mechanical or hydraulical
Attachment options	ASS 800 ASS 900 Pushing shield Snow plough	ASS 800 ASS 900 Pushing shield Snow plough	all (but not the washer)	all (but not washer) if 18 ltr./min hydr. power also the washer possible

(Technical data are approximate and non-binding.)





Cleanmeleon 2 - with axial sweeper AX 900

With overhead-sweeping-principle

Axial sweeper AX 900

Advantages and characteristics

- overhead sweeping principle: the material is trown over the roller and falls from above into the underlying collecting box (picking up much debris!)
- brush with pendulum suspension: perfect sweeping of uneven undergrounds
- roller-lip carries dirt perfectly to the inside-brush, it guarantees dust-free sweeping
- optionally expandable with up to two side brushes, this enables sweeping flush to the wall
- side brushes are individually adjustable and can be switched off



Type of machine	Axial sweeper AX 900
Working width	900 mm
Working with two side brushes	1250 mm
Roller brush Ø: 260 mm	Polypropylen brush
Side brush Ø: 400 mm	Polypropylen brush
Collecting box	expandable with up to two side brushes
Lifting up	depth = ca. 260 mm, manually emptied
	hydraulic



Cleanmeleon 2 - with axial sweeper Perfekt 1050

Sweeping flush to the wall without side brush

Axial sweeper Perfekt 1050

Advantages and characteristics

- robust sweeping system made of resistant plastic and zinc steel
- roller brush is hanging free and withstands potholes
- hydraulically height adjustment of roller brush
- when lifting up the side panels and inclining the roller brush, there is no need for a further side brush for sweeping flush to the wall
- the plastic housing allows dust-free sweeping through ideal covering of the roller brush



Type of machine	Perfekt 1050
Working width	1050 mm
Brush	2 pieces made of PPN
Collecting box	manually emptied, lifting up side panels for sweeping flush to the wall
Lifting up	hydraulically
Housing	resistant plastic
Pivoting	left/right (mechanically)

(Technical data are approximate and non-binding.)



Cleanmeleon 2 - attaching machines

CM2 with radial brush R 900 / R 1000
CM2 with weed brush WKB 550

CM2 Radialbesen R 900 / Radialbesen R 1000

Advantages and characteristics

- robust, stable brushes for moving heavy masses of material
- R 1000 also available as steel brush for sweeping moss
- direction of rotation of the brush is flexibly adjustable (right / left)
- easy change of brush via changing of screws

Type of machine	Radial brush R 900
Working width	900 mm
Area coverage	up to 4100 m ² /h
Brush	PPN brush (also wire/PPN mix or wire brush possible)
Accessory	side plate right or left

Type of machine	Radial brush R 1000
Working width	1000 mm
Area coverage	up to 4100 m ² /h
Brush	PPN brush (also wire brush possible)
Accessory	side plate right and / or left

(Technical data are approximate and non-binding.)



R 900: moving heavy masses of food - no problem.



Fig.:
CM2 with R 1000

Fig.:
CM2 with R 1000
and side plate

CM2 weed brush WKB 550

Advantages and characteristics

- Brush diameter: 550 mm
- robust wire braids remove greenery reliably out of the joints
- even heavy grown greenery can be removed
- brush can be pivoted 180° from left to right
- swept moss is layed down on one side, it will not be pushed back on the swept area



Removed heavy grown greenery without effort.



Cleanmeleon 2 - attaching machines

CM2 with snow plough
CM2 with pushing shield 80 - 160

CM2 snow plough

Advantages and characteristics

- perfect even for pushing dirt or food
- snow plough is pivoting left / right
- with robust protection ridge



Pushing food at feed alley.



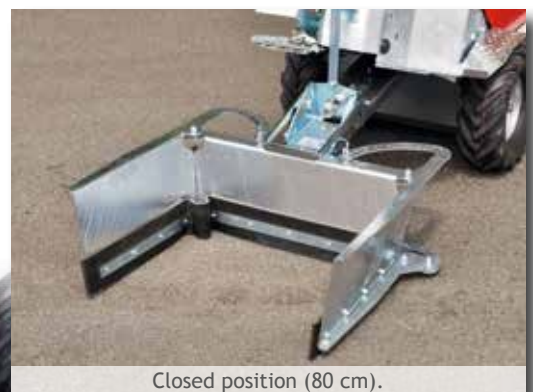
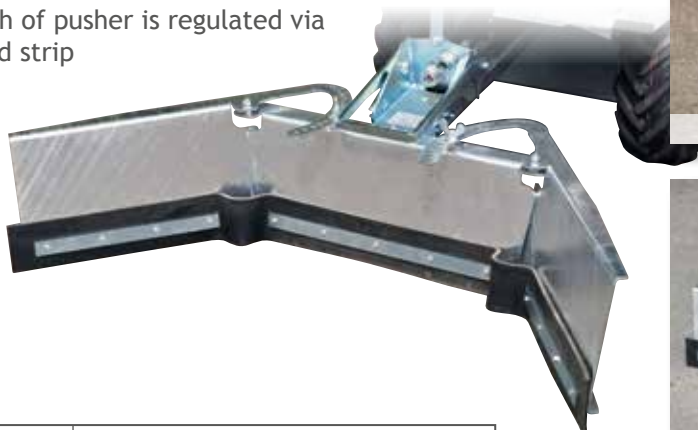
Type of machine	Snow plough
Working width	1600 mm
Special feature	pivoting left / rights
Addition	hydraulic pivoting via cylinder (only for basic machines with hydraulic)

(Technical data are approximate and non-binding.)

CM2 pushing shield 80 - 160

Advantages and characteristics

- perfect for narrow passages
- working width of pushing shield is flexibel adjustable from 80 cm up to maximum 160 cm
- span width of pusher is regulated via perforated strip



Closed position (80 cm).



Open position (160 cm).

Type of machine	Pushing shield
Working width	adjustable from 800 up to 1600 mm
Chassis	zincd
Rubber lip	flexible with fabric lining
Mounting	quick change system

(Technical data are approximate and non-binding.)

Cleanmeleon 2 - attaching machines

CM2 scraper - fixedly mounted
CM2 with scraper & side brush

CM2 food auger FA 800

Advantages and character

- open windings loosen the food and make it more attractive for the animals
- food is thrown back into the trough loosely and evenly
- flexible rubber lips guarantee a clean feed alley
- reduction of mold / smear layer
- can be equipped with an additional, following radial brush



Very clean results with additional radial brush R 650.

Type of machine	Food auger FA 800
Working width	800 mm
Accessory	can be equipped with a following radial brush R 650

(Technical data are approximate and non-binding.)

CM2 with scraper ASS 800 / ASS 900

Advantages and characteristics

- professional attaching scraper for Cleanmeleon 2 available:
 - particularly effective by using two rubber lips which are fixed one behind the other
 - can optionally be equipped with additional side brush for cleaning the laying area
- CM2 with fixedly mounted scraper available:
 - hydrostatic drive via front axle
 - incl. 50 kg additional counter weight plates for a better traction
 - not equipable with an additional side brush



Cleaning laying area with side brush.

Cleanmeleon 2 - attaching machines

CM2 with lime and feed spreader
CM2 with spreader

CM2 lime and feed spreader

Advantages and characteristics

- perfect for spreading lime evenly
- ideal for dispensing concentrated feed
- adjustable opening for dispensing quantity of material
- pivoting manually



CM2 spreader

Advantages and characteristics

- high quality and sturdy guiding wheels
- protecting edge made of stainless steel
- flexible mixing paddles spread out the flooring material
- self-filling by tipping down the container via hydraulic cylinders is possible
- also available as trailer version



Type of machine	CM2 spreader	
	- informations without increase -	- informations with increase -
Filling volume	580 liter	930 liter
Size	L = app. 125 cm, W = app. 108 cm, H = app. 126 cm	L = app. 144 cm, W = app. 125 cm, H = app. 170 cm
Accessory	side brush	

(Technical data are approximate and non-binding.)

Cleanmeleon 2 washer

Complete package

High pressure cleaned undergrounds are no longer a source of danger for the animals caused by slipping. They also offer less breeding grounds for pathogens.



Fig.: Cleanmeleon 2 washer

CM2 washer

Advantages and characteristics

- 80 cm working width
- with 3 flexible rubber strips
- washer with 2 cylinder motor
- inclusive 150 ltr. water tank, high pressure pump, filter, cleaning stars („hydraulic lifting“, „big hydraulic pump“ and „big oil tank“ necessary).
- the underground and the fissures of the slatted floor can be perfectly cleaned via high pressure pump
- Accessory: Adapter for high pressure nozzle (transformation to a mobile high pressure cleaner)
- this add-on module for CM2 scrapes very cleanly AND washes completely the underground
- thorough cleaning of the slatted floor increases general hygiene conditions, simultaneously minimizes pathogens and accident risks for the animals



Fig.: Simple and complete cleaning of running area.

Cleanmeleon 2 Electric - for the environment

- with radial brush R 900-E
- with scraper ASS 900
- with pushing shield
- with snow plough
- with AX 900-E



Fig.: CM2 Electric with axial sweeper AX 900-E for indoor cleaning.

Scraper available
with additional
side brush

Cleanmeleon 2 Electric

Advantages and characteristics

- working very quiet and emission-free
- agile, robust, flexible for use
- driven by 4 traction and light batteries
- charger included
- changing of attaching machines without any tools via locking clip



CM2 Electric with scraper.



CM2 Electric with pushing shield.



CM2 Electric when pushing snow.



Abb.: CM2 Electric mit
R 900-E zur Flächenreinigung.

Type of machine	Cleanmeleon 2 ELECTRIC
Steer	chain steering
Drive	batterie driven, traction and light batteries 4 x 12V, 80 Ah
Ladegrät	electronic charger 48V, electronic switch-off for batterie conservation (overchargeprotection) 1100 Watt (1,1 KW), 48 Volt
Power (in Watt)	120 Min.
Duration of use	8 km/h forward, 5 km/h backward
Speed	325 kg (high traction), additional weights possible if required
Weight	L: 1800 mm, W: 770 mm, H: 1070 mm
Size	5 mm zinced
Chassis	AS tyres 16 x 6.50-8
Tyres	lifting up attaching machines foot rotor lift
lifting up attaching machines	R 900-E, ASS 800 / ASS 900, pushing shield, snow plough, AX 900-E
Mounting options	

(Technical data are approximate and non-binding.)



CMA 800 Elektro - environmentally friendly on the slatted floor

Stand-on scraper



Fig.: stand-on scraper CMA 800 Elektro

Stand-on scraper CMA 800 Elektro

Advantages and characteristics

- working very quiet and emission-free
- for cleaning in narrow passages
- extremely durable, long-living and easy to handle with robust construction
- batterie driven, with excellent traction and light batteries
- charger included
- control vial front axle
- high weight: 134 kg + driver

Easy handling



1: easy lifting up of scraper via foot rotor lift



2: right hand: giving gas
left hand: forward/off/backward



C-shaped front takes all dirt.



Perfect for narrow passages.



Non-slipping underground.

Fig.: clean results up to the edge

Type of machine	CMA 800 Elektro
Working width	800 mm
Weight	134 kg + driver
Tyres	back: AS tyres (16 x 6.50), front: AS tyres (13 x 5.00)
Charger	electronic with 24V (with overchargeprotection)
Batteries	2 x 12V 60Ah traction and light batteries
Scraper	double scraper with 2 flexible rubber lips

(Technical data are approximate and non-binding.)



Cleanmeleon 2 XL Diesel

Diesel machine



Fig.: CM2 XL diesel with food auger FA 800

CM2 XL Diesel

Advantages and characteristics

- even more powerful as the CM2 with similar dimensions
- water cooled 2 cylinder diesel motor
- hydraulical all-wheel drive
- stable coupling triangle for high lifting capacity
- particularly suitable for any works in big barns



Type of machine	Cleanmeleon 2 XL
Motor (diesel)	Kubota Z602, 10,3 KW, 2 cylinder water cooled
Sound volume	83 dB
Hydraulical power	3.200 t/min = app. 24 dm ³ /min., 180 bar, oil cooler included
Drive	all-wheel, axial piston pump
Speed	infinitely variable up to 10 km/h
Start	automatic glowing included
Steering	chain steering (zero-turn), very easy steering
Weight (basic machine)	460 kg (additional weights possible if required)
Size	L = 1805 mm, W = 832 mm, H = 1275,3 mm
Chassis	8 mm zincd
Tyres	AS tyres 18 x 8.50-8
Lights	LED lights in the front, 12 volt 55 Ah batterie
Accessory	incl. working hour counter
Lifting up of attaching machines	500 kg, 300 mm stroke
Mounting options	via coupling triangle, category zero, mounting of every attaching machine of CM2 is possible

(Technical data are approximate and non-binding.)





Westermann

Radialbesen



Fig.: Dozer with granulate milling machine GF 1000/15

Der Dozer - out power pack at a glance

Characteristics

The Dozer is a powerful cleaning device, which finds its work effort specially in poultry houses. There the Dozer has the perfect grip because of the all-wheel drive of its 6 wheels.

The Dozer's attaching machines - spreader, granulate milling machine and trough washer - are as robust, stable and powerful as their carrying vehicle. They can be mounted at the Dozer very easily und without any complications at the front or the rear of the Dozer.

Working with this machine provides more hygiene in the poultry houses and related to this it ensures increases animal welfare - this benefits the general health of the animals.

Especially the foot pad dermatitis can be clearly reduced by using the granulate milling machine. The trough washer cleans up the troughs very effectively, pathogens are removed comprehensively.

Here the Dozer facilitates your work

Poultry house: sweeping, spreading, milling, washing troughs, sweeping courtyard areas

Cowshed, bullshed and pigsty: Spreading, washing slatted floors, sweeping food, loosening food, sweeping courtyard areas

Commune: sweeping dirt, milling and blowing snow



Dozer
- basic machine
Dozer
- attaching machines

Dozer - the power pack in the poultry house

With all-wheel drive



Fig.: working close to the edge - no problem.



Dozer

Advantages and characteristics

- perfect grip because of all-wheel drive
- stable coupling triangle for high lifting capacity
- finds its work effort especially in poultry houses
- effectively and extensively usable for improved hygiene conditions and increased animal welfare
- valuable help in cowsheds, bull stalls, pigsties for working under heavy conditions
- can also be used for communal work efforts



Fig.: Loosening of the tramped floor material with the granulate milling machine

Type of machine	Dozer
Motor	21,7 kw (29,5 PS); 1260 ccm, 3 Zylinder Diesel
Steer	hydraulic
Hydraulic power	working hydraulic 51 l / min; max 180 bar
Lifting force (front & rear hydraulic)	500 kg
500 mm from accord triangle	
Speed	infinitely variable 0 - 10 km/h
Drive	all-wheel (all 6 wheels)
Starter	E-Start
Tyres	6 x AS tyres 16x6,5-8 (wie CM2)
Size	L = 1830 mm ; W = 970 mm; H = 1320 mm
Weight	725 kg
Chassis	6 mm stainless steel, zined
Attaching machines	via coupling triangle front and back: all machines for municipal technique front and back, standard
Light	

(Technical data are approximate and non-binding.)



Attaching machines for the Dozer

Granulate milling machine
GF 1000 / 15
Trough washer
Spreader
Radial brush R 1200
Food auger FA 1200
Washer
Snow blower

The Dozer's attaching machines - spreader, granulate milling machine and trough washer - are as robust, stable and powerful as their carrying vehicle. They can be mounted easily and without any complications at the front or at the rear.

If using this machine regularly it ensures better hygiene in the barns and related to this it increases the animal welfare. This benefits not only their general state of health but also it increases their efficiency.

Granulate milling machine GF 1000/15



- loosens the tramped floor material in poultry houses
- reducing significantly foot pad dermatitis
- Working width: 1000 mm

Trough washer



- effective cleaning of the troughs in just one working passage
- reliable removing of pathogens
- incl. high pressure water and foam nozzles

Spreader



- spreads out the material loosely and evenly
- incl. mixing paddles
- volume: 580 ltr.
- accessory: additional side brush available

Radial brush R 1200



- PPN brush
- sweeps into every corner, perfect for sweeping flush to the wall because of the brush angle
- working width: 1200 mm
- accessory: side plate left and right available

Food auger FA 1200



- open windings loosen the food and make it more attractive for the animals
- flexible rubber lips guarantee a clean feed alley and reduce mud and smear layers
- food is thrown back into the trough loosely and evenly
- working width: 1200 mm

Washer



- thoroughly cleaning of running area in cattle stalls
- incl. 150 ltr. water tank, high pressure pump, 3 rubber lips, filter and cleaning stars
- working width: 1200 mm

Ideal for municipal - the Dozer convinces when cleaning outdoor facilities

If it is equipped with machines for municipal service just like a **snow blower** or a **mulcher** the Dozer is optimally prepared for doing the municipal service. Either if it is doing demanding cleaning jobs (sweeping, removing snow,...) or if it is working for maintaining

green areas on public facilities - working under heavy conditions is no problem for the Dozer because of its stable coupling triangle. Furthermore the Dozer has the perfect grip on every underground caused by the deep profiles of the wheels.



All-wheel drive and deep profiles of tyres make the Dozer extremely all-terrain.



Westermann
Radialbesen



Fig.: attaching radial brush R 1200

Attaching machines - our assistants at a glance

Characteristics

Our attaching machines are the perfect assistants for working on courtyard areas. They can be mounted on different carrying vehicles very quickly and without any tools.

So it takes just a few steps to transform an existing machine like a tractor into a perfectly working cleaning machine which facilitates your everyday work.

Not only the courtyard area and the feed alley in stalls are well-kept, so are especially the indoor stable areas. The attaching machines clean the running areas and the lying areas very simply, quickly and thoroughly.

Here the attaching machines facilitate your work

Agriculture/ Trade:	courtyard areas, horse yards, sweeping entrances, preparing food, cleaning / washing slatted floors, cleaning running areas, industrial and commercial sites, winter service (sweeping snow)
------------------------	--



Radial brush R 1200 / R 1400
Food auger FA 1200
ASS 1200 - double scraper
Washer
Spreader

Attaching machines - for different carrying vehicles

Attaching radial sweeper R 1200 / R 1400
Attaching food auger FA 1200

Radial brush R 1200 / R 1400

Advantages and characteristics

- powerful hydraulic motor
- direction of rotation of brush is individual adjustable (left/right)
- PPN brush: robust and flexible
- available with side plate
- working width: 1200 mm / 1400 mm
- accessory: side plate right and / or left



You will find the video of R 1200 / R 1400 right here!



Indispensable assistant at the feed alley.

Food auger FA 1200

Advantages and characteristics

- open windings loosen the food and make it more attractive for the animals
- flexible rubber lips guarantee a clean feed alley
- reduction of mold / smear layer
- working width: 1200 mm
- accessory: pendulum balancing plate



You will find the video of food auger FA 1200 right here!!



Food is attractive again for the animals.

Attaching machines - for different carrying vehicles

Attaching scraper ASS 1200
Attaching washer
Attaching spreader

ASS 1200 - double scraper

Advantages and characteristics

- optimal cleaning results on the running area because of broad double scraper
- equipable with side brush for cleaning laying area
- working width: 1200 mm
- accessory: side brush R 650



You will find the
video of ASS
1200
right here!



Washer

Advantages and characteristics

- with hydraulic pump, water tank and cleaning stars
- three rubber lips push the dirt through the slatted floor and dry the underground quickly
- cleaning stars clean the gaps of the slatted floor
- the following high pressure waterjet cleans the running area and the gaps
- working width: 1200 mm
- accessory: high pressure nozzle



You will find the
video of
the washer
right here!



Spreader

Advantages and characteristics

- for front attachment at the carrying vehicle
- spreads out the material loosely on the laying area (mixing paddles included)
- volume: 580 ltr.
- accessory: enlargement for 930 ltr., additional side brush available



You will find the
video of
the spreader
right here!





Westermann

Radialbesen



Fig.: attaching sweeper „Optimal“ 1600 (rear attachment)

Attaching sweeper - our surface cleaner at a glance

Characteristics

By developing the attaching sweepers of the series „Optimal“ and „Perfekt“ the company Westermann got high quality and robust cleaning machines for the rear or front attachment on different tractors and loaders.

Big and stable tyres carry the attaching sweepers above every underground very safely. As a result of that they have a very smooth driving style. In combination with the big roller brush convincing cleaning results can be achieved.

The sweepers adapt to every underground because of the mounted pendulum balance. During sweeping the roller brush puts the dirt directly into the included collecting box.

The industrial edition of the attaching sweeper „Perfekt“ is particularly stable. The strong chassis frame and the 4 sturdy heavy-duty wheels make this machine perfect for every work effort.

These attaching sweepers are not only suitable for agriculture. Even for municipal service on municipal and public areas they are great assistants for cleaning them.

Here the attaching sweeper facilitate your work

Agriculture/: courtyard areas, horse yards, cleaning streets, parking areas, cleaning halls
Trade

Commune: industrial and commercial sites, parking lots, public facilities (cleaning streets, cleaning marketplaces,...), cleaning halls



For rear OR front attachment:
Optimal 1600
Optimal 2300

For rear AND/OR front attachment:
Perfekt 1800
Perfekt 2500

Perfekt 1800 / Perfekt 2500:
Industrial edition

Attaching sweeper „Optimal“

For rear OR front attachment:

- Optimal 1600
- Optimal 2300

Convincing system for emptying the collecting box: The complete dirt falls out the collecting box because of a deflection angle of more than 90°, there are no residues. The collecting box is completely empty for the next work effort.



Fig.: attaching machine „Optimal“ 2500 (rear attachment)



Attaching sweeper „Optimal“

Advantages and characteristics

- height adjustment of roller brush via slot and lever (depends on wear and tear)
- low-wear plastic skids protect the collecting box
- free sweeping possible just by putting up the collecting box (no dismantling necessary!)
- 3rd guiding wheel of front version reduces swaying of the whole machine
- attaching sweeper „Optimal“ is optionally equipable with an additional side brush

Emptying collecting box:
More than 90° inclination!



Ideal cleaning of halls with sidebrush.




Big tyres & pendulum balance plate with prop.

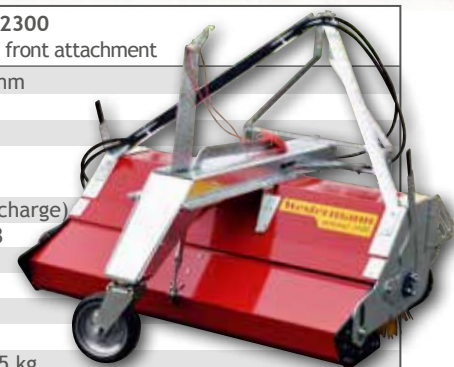


Fig.: easy cleaning of streets

Type of machine	Optimal 1600		Optimal 2300	
	- rear attachment	- front attachment	- rear attachment	- front attachment
Working width	1600 mm		2300 mm	
Diameter of brush	520 mm			
Collecting box (depth)	D = 360 mm			
Collecting box (emptying)	emptying mechanically, hydraulically possible (for surcharge)			
Pivoting	mechanically, hydraulically possible (for surcharge)			
Support wheels (280 mm x 80 mm)	2	3	2	3
Drive	gerotormotor			
Max. working pressure	180 bar			
Conveyed volume	min. 20 ltr./Min.			
Brush speed	100 - 200 U/Min.			
Weight	app. 280 kg		app. 315 kg	

A red industrial brush cleaning machine, likely a floor buffer or scrubber. It features a pivoting frame, support wheels, and a brush assembly. The machine is shown from a side-rear perspective, highlighting its mechanical components and the red bodywork. A yellow label with the text "Gerotormotor" is visible on the side.

(Technical data are approximate and non-binding.)



Attaching sweeper „Perfekt“

For rear AND/OR front attment:

- Perfekt 1800
- Perfekt 2500

Sweeping flush to the wall without an additional side brush is possible with the attaching sweeper of the series „Perfekt“. Just put up the side plates, then the machine sweeps up at every edge.



Fig.: attachment sweeper „Perfekt“ 1800 (front attachment)

Attaching sweeper „Perfekt“

Advantage and characteristics

- resistant, stable, stainless plastic housing covers roller brush for sweeping dust free
- roller brush with pendulum suspension, fits to every unevenness, it is automatically relieved
- putting up the side plates enables sweeping flush to the wall without an additional side brush
- also available as **industrial edition** with reinforced chassis frame and heavy-duty wheels (look at p. 50)



Cleaning large areas.



Sweeping flush to the wall without side brush.



Collecting box and roller brush.



Fig.:
Perfekt 1800 (front attachment)
for area cleaning

Type of machine	Perfekt 1800	Perfekt 2500
Working width	1800 mm	2500 mm
Diameter of brush	600 mm	
Brush	pendulum suspension for ideal ground adaption, automatically relieve of brush	
Collecting box	depth = 430 mm; big collecting box, emptying hydraulically, with low-wear skids	
Housing	sealed all around by shock-resistant, stable plastic, side plates can be put up for sweeping flush to the wall	
Frame	5 mm zincd, hydraulically pivoting, NO side brush necessary	
Tyres	3 big and stable tyres with greasable slew rings	4 big and stable tyres with greasable slew rings
Drive	gerotormotor	
Weight	ca. 410 kg	ca. 440 kg
Mounting options	rear or front attachment possible because of different adapter plates, attachment on different tractors and loaderes possible	

(Technical data are approximate and non-binding.)



Attaching sweeper „Perfekt“ - industrial edition

For rear AND/OR front attachment:

- Perfekt 1800 industrial edition
- Perfekt 2500 industrial edition

Industrial edition

Advantages and characteristics

- more powerful industrial edition of attaching sweeper „Perfekt“, it is extremely stable and robust
- designed for working under heavy conditions
- 10 mm strong and zinced frame
- with 4 heavy-duty tyres



Sweeping flush to the wall without side brush.



Heavy-duty tyre of industrial edition.



You will find the video of Perfekt 1800/ Perfekt 2500 right here!

Type of machine	Perfekt 1800 industrial edition	Perfekt 2500 industrial edition
Working width	1800 mm	2500 mm
Diameter of brush	600 mm	
Brush	pendulum suspence for ideal ground adaptiong, automatically relieve of brush	
Collecting box	depth = 430 mm; big collecting box, emptying hydraulically, with low-wear skids	
Housing	sealed all around by shock-resistant, stable plastic, side plates can be put up for sweeping flush to the wall	
Frame	10 mm zinced, hydraulically pivoting, NO side brush necessary	
Tyres	4 big and stable heavy-duty tyres with greasable slew rings	
Drive	gerotormotor	
Weight	app. 410 kg	app. 440 kg
Mounting options	rear or front attachment possible because of different adapter plates, attachment on different tracotrs and loaders possible	

(Technical data are approximate and non-binding.)

Adapter plates for attaching sweepers „Optimal“ and „Perfekt“

Mounting at different tractors and loaders is possible quickly and without any problems because of different adapter plates:

- Universal (primed)
- EURO (zincd)
- Weidemann standard (zincd)
- Weidemann hydraulical (zincd)
- Fork-Lift (zincd)
- Three-point (zincd) - for „Perfekt“
- Manitou (zincd)
- Avant (zincd)
- Schäffer (zincd)
- Schäffer 645 (zincd)
- GIANT (zincd)



Fig.: Adapter plate GIANT
at Optimal 1600, front attaching



Each attaching sweeper
is equipable with
additional side brush.

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