

Westermann

Seit
1989

Radialbesen



Product catalogue
- for industry and municipalities -



english | as at: November 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 development 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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- also available as industrial edition!	





Westermann

Radialbesen



Fig.: WR 870 Charger sweeping flush to every corner

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

footpaths

Entrances

Industril and commercial sites

Sports facilities

Sidewalks

Planting foils (gardening, horticulture company)

public facilities (schools, hospitals,...)

Winter service (sweeping snow)

Radial sweeper

WR 650 Charger
WR 870 Charger
WR 870 Charger PRO
WR 870 Honda
WR 870 Honda PRO

Radial sweeper

WR 650 Charger



WR 650 Akku with collecting system
Cleanbag: The drive wheel for the brush
roller inside is visible above.



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

Convincing in winter service:



Assistant for sweeping snow.



Fig.: WR 650 Charger with Windrow maker

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.)



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
sweeping uneven undergrounds*

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.



Perfect for neighbourhoods.



The windrow maker lays the dirt in a straight line.



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.)



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 swepted.



Abb.: WR 870 Honda PRO

Experience the

NEW GENERATION ▶▶▶

POWERED BY
HONDA™

Convincing in winter service:



Removes big masses of snow.



Perfect for neighbourhoods.



Ideal for tennis courts and sports facilities.

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

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

(Technical data are approximate and non-binding.)



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

Footpaths	Sidewalks
Entrances / Courtyard areas	Horse yards
Industrial and commercial sites	Public places
Parking areas	



Vorteile und Besonderheiten im Winterdienst

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



Radial sweeper
CM2 / CM2 XL
Dozer

Westermann

Seit 1989

Radialbesen

Characteristics

Because of its zero turn steering the Cleanmeleon 2 is very agile, stable and flexible. Either if you are scraping, sweeping stables, spreading, pushing food, sweeping silos or courtyard areas, sweeping moss or dirt, pushing snow or carrying a feed barrow - our Cleanmeleon 2 eases your work decisively for more than 10 years.

The machine (with petrol engine or diesel engine) is driven hydrostatically by the front axle and so it adapts to difficult conditions. Because of the 5 mm strong and galvanized chassis the machine is very long-living.

Of course it is possible to couple and uncouple the attaching machines easily and quickly. So a spreader becomes a sweeper or a the snow pusher becomes a high pressure cleaner.

A special feature of the Cleanmeleon 2 is its „big brother“ - the **Cleanmeleon 2 XL!** This diesel machine has nearly the same size but the „big one“ is even more powerful and robust. This makes it perfect for working under heavy conditions.

Here the Cleanmeleon 2 facilitates your work

Footpaths	Sidewalks
Entrances	Sweeping moss and dirt
Industrial and commercial sites	Public facilities
Sports facilities	Winter service (sweeping and removing snow)



Fig.: Cleanmeleon 2 with radial brush R 1000
(PPN brush at small picture / wire brush at 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 weed brush WKB 550
- CM2 with snow plough
- CM2 with pushing shield 80 - 160

CM2 Electric

CM2 XL Diesel

Cleanmeleon 2 - the basic machine

The **allrounder**
for different
working assignments!

Advantages and characteristics

The Cleanmeleon 2 is Westermann's multifunctional machine par excellence.

Because of its compact and rugged design and the zero turn the CM2 (hour counter included) is extremely agile, even in narrow areas. So cleaning small areas is no longer a problem. Die diversen Anbausätze machen den Aufsitzer außerdem extrem flexibel einsetzbar.

Either if the CM2 is equipped as a sweeper or for winter service: Every difficult work can be done quickly and easily with this machine. 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 CM2 is perfectly suitable for cleaning public areas. The available attaching radial sweeper or the attaching axial sweepers „Perfekt 1050“ and „AX 900“ remove big masses of foliage and other dirt from public ways and places quickly and with convincing results.

Especially the battery driven Electric-Version of this self-driver is optimally for indoor-cleaning. Equipped with the electric axial sweeper AX 900-E cleaning halls and exhibition rooms can be done completely emission-free and nearly without any sounds.

Type of machine	GXV 340 without hydraulic	GXV 340 with hydraulic	Vanguard 2-Zylinder mit Hydraulik
Motor (petrol or diesel)	GXV 340 Honda	GXV 340 Honda	Briggs & Stratton Vanguard
Start	e-start	e-start	e-start
Power m ³	340 m ³	340 m ³	479 m ³
Hydraulic	without	with	with
Hydraulically power	none	13 ltr. / min	13 ltr. / min (18 ltr. / min in consultation)
Drive	hydrostatical	hydrostatical	
Steering	chain steering	chain steering	
Weight (basic machine)	approx. 225 kg (additional weights are possible if required)	approx. 260 kg (additional weights are possible if required)	approx. 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 or hydraulical	
Attachment options	pushing shield snow plough	all	

(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 thrown 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



AX 900-E: effective, dust-free indoor cleaning.



Sidebrushes can be adjusted and switched off separately.



Fig.: AX 900 with one side brush for cleaning areas.

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
	hydraulical



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



Cleans large areas - up to the wall.



Sweeping flush to the wall without any side brush.



Fig.: clean public areas

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 radial brush R 900 / radial brush 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 palte right and / or left possible

(Technical data are approximate and non-binding.)



R1000 as wire brush for removing greenery.



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



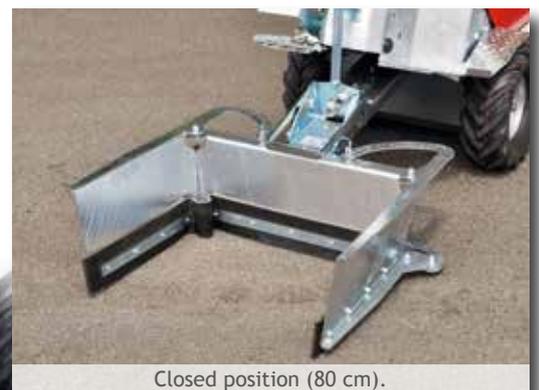
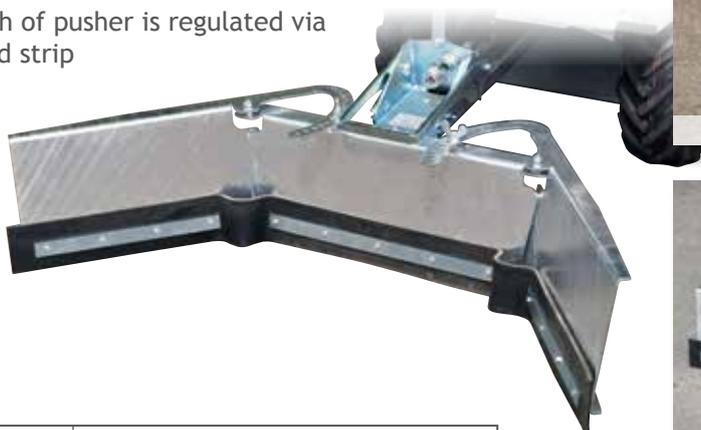
Type of machine	Snow plough
Working width	1600 mm
Special feature	pivoting left / rights
Addition	hydraulic pivoting via cylinder (only for basic machines with hydraulic)

(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



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 Electric - for the environment

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



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

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 pushing shield.



CM2 Electric for removing snow.



Fig.: CM2 Electric with R 900-E for cleaning areas

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)
Power (in Watt)	1100 Watt (1,1 KW), 48 Volt
Duration of use	120 Min.
Speed	8 km/h forward, 5 km/h backward
Weight	325 kg (high traction), additional weights possible if required
Size	L: 1800 mm, W: 770 mm, H: 1070 mm
Chassis	5 mm zincd
Tyres	AS tyres 16 x 6.50-8
lifting up attaching machines	foot rotor lift
Mounting options	R 900-E, ASS 800 / ASS 900, pushing shield, snow plough, AX 900-E

(Technical data are approximate and non-binding.)



Cleanmeleon 2 PRO



Fig.: Cleanmeleon 2 PRO with Axialkehrmaschine AX 1200

Cleanmeleon 2 PRO

Advantages and characteristics

- very powerful, agile working
- higher lifting power
- ready for working under heavy conditions
- quick change of attaching machines without tools



Powerful assistant for removing greenery.



Fig.: Cleanmeleon 2 PRO with weed brush WKB 550

Type of machine	GXV 340 with hydraulic	Vanguard 2-Zylinder with hydraulic
Steering	chain steering	
Motor (petrol or Diesel)	GXV 340 Honda	Briggs & Stratton Vanguard
Power m ³	340 m ³	479 m ³
Hydraulic	with	
Hydraulic power	18 ltr. / min	
Drive	hydrostatical	
Start	E-Start	
Weight (basic machine)	approx. 300 kg (extra weights possible)	
Size	L: 1500 mm, W: 825 mm, H: 1130 mm	
Chassis	5 mm zincd	
Tyres	AS tyres 16 x 6.50-8	
Lifting of attaching machines	hydraulic	
Mounting options	mounting of different attaching machines possible	

(Technical data are approximate and non-binding.)



Cleanmeleon 2 XL Diesel

Diesel machine



Fig.: CM2 XL Diesel with radial brush R1000, powerful against heavy snow masses

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



Doing the winter service with snow plough.



Convincing with municipal attaching machines.

Different attaching machines with adapter triangle category zero are mountable.

CM2 XL for working under heavy conditions

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 municipal attaching machine

Der Dozer - out power pack at a glance

Characteristics

The Dozer is a powerful cleaning machine, which finds its work effort in different areas. Because of the all-wheel drive of its 6 wheels this machine always has the perfect grip. So the Dozer is suitable for every difficult undergrounds.

The Dozer's attaching machines 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. Existing equipment with a coupling triangle category zero can be mounted at this machine.

Here the Dozer facilitates your work

maintenance of park areas and green verges

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.: Dozer with snow blower,
perfect grip on slippery undergrounds

Dozer

Vorteile und Besonderheiten

- perfect grip because of all-wheel drive
- coupling triangle category zero included
- stable coupling triangle high lifting capacity
- valuable work facilitation for working under heavy conditions
- can be used for municipal cleaning operation in combination with existing attaching machines



Mulching with existing attaching machine.



Fig.: clean courts with Dozer and radial brush R1200

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.)





Westermann

Radialbesen



Abb.: Anbau-Radialbesen R 1200

Attaching radial brush - at a glance

Characteristics

The attaching radial brush is an ideal assistant for cleaning operation in industry and municipality. It can be mounted at different carrying vehicles very quickly and without any tools. und machen so aud diesen perfekt aarbeitende Reinigungsgeräte.

Here the attaching machines facilitate your work

Sweeping courts

Industrial and commercial sites

Winter service (sweeping snow)

Attaching machine - for different carrying vehicles

Attaching radial brush R 1200 / R 1400

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



Parking device for attaching radial brush available.





Westermann

Radialbesen



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

Attaching sweeper - our surface cleaner at a glance

Besonderheiten

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.

Here the attaching sweeper facilitate your work

Courtyard areas

Parking areas

Industrial and commercial sites

Winter service (sweeping snow)

Street cleaning

Indoor cleaning (halls, exhibition rooms,...)

Public areas



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 sweeper „Optimal“ 1600 (front attaching)
with side brush for area cleaning.



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 side brush.



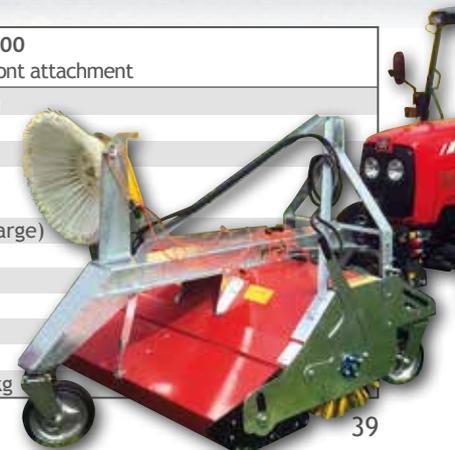
Big tyres & pendulum balance plate with prop.



Fig.:
Cleaning streets very easily
with Optimal 2300 (rear attaching).

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	

(Technical data are approximate and non-binding.)



Attaching sweeper „Perfekt“

For rear AND/OR front attachment:

- 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.: Attaching 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)



Sweeping flush to the wall without side brush.



Collecting box and roller brush.



Heavy-duty tyre of industrial edition.



Fig.:
Perfekt 1800 (front attachment)
for cleaning big areas

Type of machine	Perfekt 1800	Perfekt 2500
Working width	1800 mm	2500 mm
Diameter of brush	600 mm	
Brush	pendulum suspense for ideal ground adapting, 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 and stable plastic, side plates can be put up for sweeping flush to the wall	
Frame	5 mm zinced, hydraulically pivoting, NO sidebrush necessary industrial edition: 10 mm zinced	
Tyres	3 big and stable heavy-duty tyres with greasable slew rings industrial edition: 4 big and stable heavy duty tyres with greasable slew rings	4 big and heavy-duty tyres with greasable slew rings
Drive	gerotormotor	
Weight	approx. 410 kg	approx. 440 kg
Mounting options	rear or front attachment possible because of different adapter plates, attachment on different tractors and loaders possible	

(Technical data are approximate and non-binding.)



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