



Simply effective

WEED REMOVAL WITHOUT CHEMICALS

Essential work equipment for the
eco-friendly removal of weeds!

bema[®]

A clean product line.



RETHINKING NECESSARY!

Alternative care concepts to combat unwanted plants on paths and squares.

Every year the same picture: weeds at all corners and edges, between paving slabs, on pavements or in yards. Getting rid of these annoying plants is often very tedious. That is why a chemical solution is the obvious choice.

But what many still do not know: The use of herbicides, as well as household remedies such as vinegar cleaner or salt water, is strictly regulated by the Plant Protection Act and is not permitted in many areas according to current legislation, as it poses health risks for humans, flora and fauna. For this reason, more and more users, local authorities and companies from the gardening and landscaping sector are turning to more environmentally friendly methods of weed removal.

Even the regular use of sweepers prevents weeds from growing, as they prevent seed accumulation and humus enrichment. Young plants and seeds are simply swept away. However, the frequency of the sweeping operations determines the success.

If the weeds and moss have already grown, bema offers simple, effective and environmentally friendly solutions for weed removal with the **bema weed brush**, **bema Groby** and **bema Groby light**.



LEGAL SITUATION

For the protection of man and environment, refrain from using chemicals.

For the protection of lakes and rivers and of the drinking water resources, it is prohibited to use chemicals on non-cultivated land and paved areas in many countries. Special conditions apply also on open-land areas.

As an example, a certificate of expertise is required in Germany when plant protection products shall be used on cultivated land in agriculture and forestry.

On paved areas (paths, sidewalks, driveways, terraces, courtyard areas, parking spaces, etc.), the use of herbicides is generally prohibited in Germany. In case of infringements, there may be imposed fines of up to € 50,000.

Please inform yourself about the legal situation in your country!

TARGETS OF REMOVING WEEDS

- **Protection against dangers**
(e. g. surefootedness, view, fire protection, water runoff)
- **Preservation of physical structures**
- **Prophylaxis against health hazards** (allergies)
- **Aesthetic demands**



CHECKLIST

WEED REMOVAL

Before investing please compare the systems

	Your bema solution
Can the product guarantee you immediate visible success?	✓
Is it guaranteed that you can effectively plan and work with only one work step or is a second work step required at a later date for follow-up?	✓
Can the manufacturer implement your customer-specific requirements with regard to your individual surface conditions or do you have to make do with a standard product?	✓
Does your investment pay off or are there additional high operating costs in the form of gas and heating oil in addition to the purchase costs?	✓
Does the manufacturer offer a cost-effective and guaranteed spare parts supply with standard components or do you enter into an expensive dependency on manufacturer-specific components?	✓
Does your product ensure that unwanted heat damage is excluded and do you behave in an environmentally friendly way because unnecessary CO2 emissions are avoided?	✓

bema expert tip:

Start in spring with the removal of weeds and repeat the application regularly. In humid weather you will achieve the best results.

Does the product offer you planning security independent of weather conditions or do you have to expect unwanted downtimes?	✓
Can the product be easily integrated into your existing fleet?	✓
Does the manufacturer offer you the greatest variety of modular products for your individual tasks in the field of sweeping technology and winter services?	✓
Do you receive reliable service nationwide through specialised sales partners or do you have to make do with impersonal support?	✓
Do you opt for a reliable and owner-managed company or is the manufacturer looking into an uncertain future due to the dependence on investors with a short-term oriented approach?	✓
Can my product be combined with other products, e.g. with a suction sweeper system?	✓





bema Weed brush

EFFECTIVE THROUGH AREA EFFICIENCY

Equipping a sweeper for weed removal

bema offers a wide range of sweeping equipment that can be used all year round for a variety of applications. Depending on the carrier vehicle performance, the main brush can be exchanged, so that the sweeper can be used both for sweeping dirt or snow in winter and for removing weeds. For this purpose, the bema Weed brush is installed as special equipment.

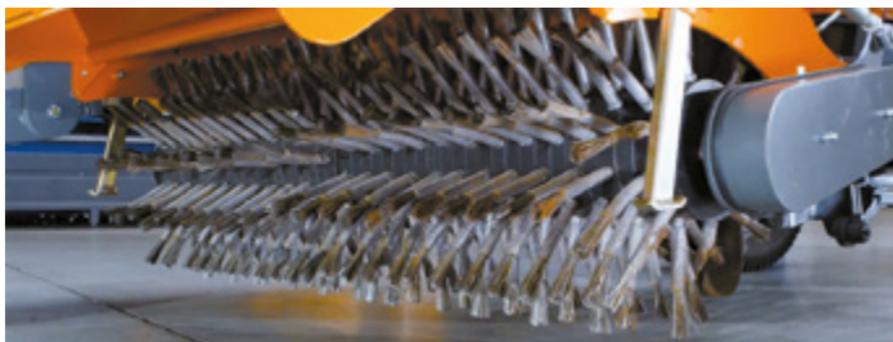
The combination of sweeper and weed brush makes a second work step superfluous, as the weeds can be picked up directly by the optional collection container. The additional equipment of the sweeper with a rotary side brush with weed trim sweeps up weeds growing in gutters and on curbs. The working width is between 1250 and 2300 mm depending on the model. In this way large areas are quickly and thoroughly cleared of weeds, moss and the like.



bema Sweeper equipped with bema Weed brush and rotary side brush



Weeds are directly picked up into the collection container



Main brush made of specially reinforced and bundled steel flat wire trim

TECHNICAL DATA (extract)

Optional equipment for sweeper types (retrofitable)	bema 20/20 Dual bema 25/25 Dual bema Kommunal 450 Dual bema Kommunal 580 Dual
Working width	1250 - 2300 mm depending on sweeper type
Drive	Mechanical, optional hydraulical in suitable conditions
Main brush	Ø 400, 510, 560 mm depending on sweeper type, steel flat wire
Rotation speed main brush	Recommended 200 to 250 rpm
Driving speed	Recommended 1 to 6 km/h
Hydraulic power of the vehicle	At least 50 l/min
Weight of bema Weed brush (approx.)	75 - 145 kg depending on sweeper type



Sweeper built from the modular kit: bema 25 with bema Weed brush, without collection container, excavator mounting (special construction)



bema Groby

EXTREMELY ROBUST DESIGN

A convenient solution for larger carrier vehicles

With the bema Groby, bema offers a product that is not only used for banquet care (roadside embankments) in road construction and civil engineering, but also for the environmentally friendly removal of annoying weeds. For this purpose, the bema Groby is equipped with plastic-coated steel ropes which guarantee a high load-bearing capacity and optimal cleaning results.

Various optional plate brushes and attachments allows a flexible use, so that the bema Groby can meet the most diverse challenges.

Installation on: wheel loader up to 7 t, telehandler, yard loader, excavator, forklift (standard), municipal vehicle, tractor (front) Further mounting variants on request



bema Groby with forklift attachment



Special construction for more flexibility



bema Groby is used for the care of road sides

TECHNICAL DATA (extract)

Drive	Hydraulic, powerful Gerotormotor with drive shaft Ø 32 mm; optional mechanical via PTO shaft
Rotation speed plate brush	Recommended 140 to 200 rpm
Driving speed	Recommended 1 to 6 km/h
Hydraulic power of the vehicle	At least 40 l/min
Weight (approx.)	145 kg without plate brush, 215 kg with weed brush
Weed brush	44 steel ropes (Ø 22 mm), steel plate, working diameter 780 mm other trims: steel flat wire/PPN, PPN
Adjustment of brush head	Mechanically, optional hydraulically
Optional equipment	bema Control



Mechanical inclination adjustment



bema Groby on a wheel loader



bema Groby light

EFFECTIVE AND FLEXIBEL IN USE

Compact version for smaller carrier vehicles

The bema Groby light is a lighter, but very sturdy version of the bema Groby and is optimally designed for use on small carrier vehicles.

No matter which carrier vehicle is used, the bema Groby light provides environmentally friendly basic cleaning and effectively removes annoying weeds. For this purpose, the plastic plate is equipped with plastic-coated, steel flat wire bundles which also remove weeds from gutters and joints, even in hard-to-reach places. Thanks to different optional plate brushes the bema Groby light can be used in a variety of ways.

Installation on: yard loader, municipal vehicle, mini-excavator, forklift, compact tractor (front/rear), front mower

Further mounting variants on request



Flexible thanks to telescopic lateral movement (300 mm)



Hydraulic swivel device, approx. 85 ° to the left



bema Groby light convinces on various carrier vehicles, e.g. on a mini-excavator

TECHNICAL DATA (extract)

Drive	Hydraulic, powerful Gerotormotor with drive shaft Ø 32 mm, optional mechanical via PTO shaft
Rotation speed plate brush	Recommended 140 to 200 rpm
Driving speed	Recommended 1 to 6 km/h
Hydraulic power of the vehicle	At least 20 l/min
Weight (approx.)	100 kg without plate brush, 160 kg with weed brush
Weed brush	76 steel flat wire bundles, plastic plate, working diameter 700 mm other trims: steel flat wire/PPN, PPN
Adjustment of brush head	Mechanically, optional hydraulically
Optional equipment	bema Control, bema PowerPack, hydraulic swivel device, telescopic lateral movement



Upgrading with bema PowerPack - hydraulic power unit



bema Groby light on a equipment carrier

You want convincing results?
Get informed now!

bema GmbH Maschinenfabrik

Recker Str. 16 | 49599 Voltlage-Weese | Germany
phone: +49 5467 9209-0 | fax: +49 5467 9209-20
info@bema-sweeper.com

bema-sweeper.com



Your local bema dealer: