

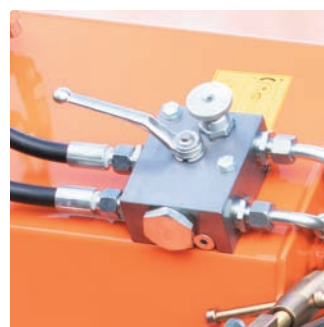


Optional equipment

ROTARY SIDE BRUSHES

for cleaning building boundaries, curbs and gutters.

The hydraulically driven rotary side brushes are standardly equipped with the **bema SideControl**. This comfort operating device combines a three-way valve and a speed controller. This enables the rotary side brush to be switched on and the speed to be optimally set. Depending on the sweeper model, the rotary side brushes are optionally available on the right and/or left and with the following trims can be chosen: PPN, steel/PPN, steel flat wire/PPN, steel flat wire, weed, or **Bio-Polymer**.

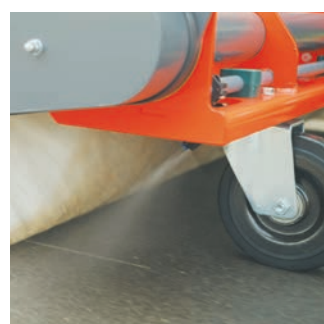


WATER SPRAY UNIT

for main brush and/or rotary side brushes

(switchable on/off)

By direct injection of water into the brushes, dust formation during sweeping is reduced. Depending on the machine type and carrier vehicle, we offer water tanks mounted on the sweeper or for rear attachment with capacities of 100 l, 128 l (2x 64 l), 200 l, 240 l, or 400 l (2 x 200 l), including tank filter and pressure pump (12 or 24 Volt). For the High-pressure water units we offer a 2000 liter water tank in rear attachment.



DRIVES & PERFORMANCE

From classic drives to the forward-looking "Designed for E" drive concept

Depending on the machine type of the sweeper and the carrier vehicle, we offer a mechanical drive in addition to the hydraulic one. Specifically for electric carrier vehicles, we have developed the new Sweezy® sweeper generation. No energy conversion from electric to hydraulic is necessary for the operation of the Sweezy® sweeper. This quadruples the runtime of your electric carrier vehicler (Sweezy® with electric drive) or triples it (Sweezy® with wheel drive).

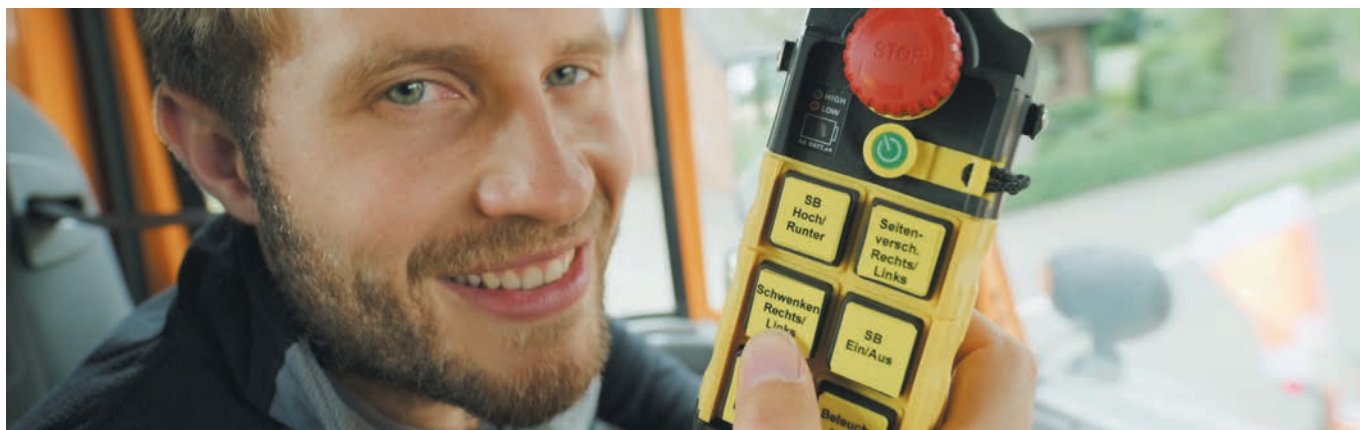
bema PowerPack

Hydraulic power unit for carrier vehicles with missing hydraulic power

The attachment is made via the 3-point hitch at the rear of the carrier vehicle. Optionally, you can combine a water tank and/or oil cooler.

The bema PowerPack is available for the municipal sweepers bema Kommunal 580/450 Dual and the bema Groby light.





bema Control - control unit including wireless remote controller: All hydraulic and electrical functions can be conveniently controlled from the vehicle.

SWIVELING

Mechanical or hydraulic swivel devices

Almost all of our sweepers and snow ploughs are already equipped with a mechanical swivel device in the basic configuration. A hydraulic variant is optionally available.

- bema Groby light: **Swivelling 85° to the left**
- bema Sweepers: **Swivelling 20° to the left/right**
- bema Snow ploughs: **Swivelling 30° to the left/right**



MOVING

Hydraulic and telescopic lateral movement

For even more flexibility in sweeping tasks some of our attachments can be equipped with a lateral movement.

- bema Groby light
telescopic, 300 mm outwards
- bema 30/35 Dual PowerMaster
hydraulic, 500 mm to the left/rights



CONVENIENCE & SAFETY

Collection container „Dual“

No changeover times

The collection container in Dual version enables easy switching between free sweeping (collection container open / dirt is swept to the side) or collecting dirt without changeover time. The collection container is emptied hydraulically.



Centralised control system

Hydroblock / premium hydroblock

The heart of the PowerMaster sweepers is this central and reliable control in which all units are combined - named "Hydroblock". The premium version offers with a flow control valve and special pressure relief valve, even more comprehensive protection for carrier vehicles with load-sensing system.





Optional equipment

WELL PREPARED

Avoid the risk of accidents and crop failures

During the harvest and at the beginning of autumn, the risk of accidents increases due to bad weather conditions and slippery roads.

Not only in agriculture, but also on construction sites, in gravel pits or on biogas plants, coarse and stubborn dirt can quickly become a major safety risk. Roads turn into dangerous slides, especially in combination with rain.

The polluter has the obligation to remove the contamination!

Wherever extreme performance is required, the **bema PowerMaster** sweepers convince with precisely fitting special equipment!

SCRAPING

With the bema Scraper units, coarse and stubborn dirt is easily scraped off the roads. The scraper bar is divided into several highly wear-resistant steel segments, which are guided in an extremely stable way over the ground using spring tines. We offer two versions for the PowerMaster sweepers:

Version 1:

Scraper unit **WITHOUT** collection container

Because the bema Scraper unit is mounted instead of the collection container, a good view is maintained from the vehicle.

Version 2:

Scraper unit **WITH** collection container

If you want to collect the scraped and swept material in the same working step, you can also combine the collection container Dual with a bema Scraper unit. In combination with a certified camera system, your vehicle is roadworthy even with a front dimension of 3500 mm.



Version 1:

Scraper unit **WITHOUT** collection container

bema 85 Dual PowerMaster (coming soon)
bema 75 Dual PowerMaster
bema 35 Dual PowerMaster
bema 30 Dual PowerMaster

Version 2:

Scraper unit **WITH** collection container

bema 85 Dual PowerMaster (coming soon)
bema 75 Dual PowerMaster
bema 35 Dual PowerMaster



bema Power Master sweeper equipped with collection container Dual and scraper unit. In addition high-pressure water unit and 2000 L water tank in the rear.



bema PowerMaster Sweeper equipped with scraper unit and rotary side brush - but without collection container.



Scraper bar is divided into highly wear-resistant steel segments



Scraping and rinsing with high-pressure

WITH HIGH-PRESSURE AGAINST DIRT

Powerful and thorough cleaning

An even more thorough cleaning of the surface is achieved through the combination of scraper and pressure water unit. We currently offer three mechanically driven versions for the PowerMaster sweepers - a high-pressure and two medium-pressure versions. In the near future, hydraulically driven pressure water systems will also be available within the bema portfolio.

We recommend our 2000 litre water tank for the water supply. This is fitted at the rear. Alternatively, you can use your own water tank or a liquid manure tank.

FEATURES

- ✓ **Best cleaning results:**
Powerful cleaning thanks to pressure water unit with or without water tank (2000 litres) and pump (HP: high-pressure 120 bar, MP: medium pressure 50 bar).
- ✓ **Highly efficient machines:**
Mechanical drive via drive shaft.
Optionally hydraulic with suitable carrier vehicle conditions.
- ✓ **Customisable to suit individual requirements:**
Depending on the machine width the flush pipe of the sweeper is equipped with up to 11 high-pressure nozzles.
- ✓ **Mobile use:**
Use as a mobile high-pressure cleaner with an additional spray lance (including hose reel, 22 m hose, high-pressure spray lance)
- ✓ **Optimal combination for thorough cleaning:**
Scraping and rinsing with high-pressure.



High-pressure water device- depending on the machine width equipped with up to 11 nozzels



Version 1: **bema HP 120**

Water tank in the rear (2000 litres),
120 bar piston pump (PTO 1000 rpm)

Version 2: **bema MP 50**

Water tank in the rear (2000 litres),
50 bar membrane pump (PTO 540 rpm)

Version 3: **bema MP 50**

50 bar membrane pump (PTO 540 rpm),
medium pressure variant, placed on top of the sweeper,
suction line and spray boom

Coming soon: **Hydraulically driven**

as high-pressure & medium-pressure version



FURTHER EQUIPMENT

Mobile high-pressure cleaner

Hose reel, 22 m hose,
additional high-pressure spray lance



Certified camera & monitor system (for cross traffic)

