

## Basic configuration

- **Machine casing** stable and rigid construction made from steel plate
  - **Working widths** 1850 mm, 2050 mm, 2300 mm und 2600 mm
  - **Power brush** Ø 600 mm , PPN (polypropylene) Infinitely adjustable with the adjustment wheel
  - **Hydraulic drive** powerful Gerotormotor (industrial quality). Large cross section of hydraulic oil pipes and hoses.
- Integrated function hydraulic module** contains the following functions: pressure release valve, run on safety valve, flow switching valve for collector, connection for side brush. - service free -
- **Hydraulic connectors** SVK size 3
  - **Hydraulic opening waste collection container** with a large volume and a **support wheel** Ø 200 x 80 mm (rail safe) for optimal ground contour following. The dual system means you only have to raise the collector to free sweep.
  - **Super-Elastic wheels** Ø 200 x 80 mm (rail safe) with vulcanized elastic rubber, dust-proof, greasable roller bearings, reinforced forks and double-hardened rim bearings
  - **Swivelling mechanically**
  - **Parking supports** (sides) with quick locking
  - **Loading loops** with large openings
  - **Series paint finish** orange RAL 2011
  - **CE certification** and operating manual

## Optional extra equipment

- **Wheel loader attachment** quick change adaptor with roller levelling - service free -
- **Forklift attachment** with roller levelling and quick clamps - service free -
- **Tractor front linkage attachment** Euro-normed quick action attachment or three-point attachment for older front loaders including roll level adjustment - service free -
- **Tractor mounted front power lifter** with oscillation power compensation, three-point attachment or collection in quick action triangle mode
- **Tractor rear mount** with auto level, including three-point mount
- **Unimog-Truck lift attachment** for universal winter service plate with wheel controlled vertical lifting and wheel levelling (in upper position self arresting). The hydraulic cylinder is mounted suspended cardanially and free floating
- **Hydraulic swivelling** (double hydraulic circuit is necessary)
- **Power brush** Ø 600 mm steel/PPN - long standing time -
- **Water spray system** (The fine water spray system sprays directly into the brush which increases the effectiveness and uses considerably less water). 200 ltr. water tank with internal filter and electric pressure pump (12/24 volt), spray pipe with flat spray jets. All water related parts are made from synthetic material to avoid corrosion.
- **Hydraulic rotary side brush** Ø 600 mm (may be raised and returns automatically to machine centre point), automatic side and height adaption, incl. stop valve - switchable - Either PPN (polypropylene), steel/PPN or flat steel wire set
- **Water spray system for rotary side brush** with flat spray jet , incl. stop valve - switchable -
- **Flow regulation valve** for carrying vehicles with an hydraulic output of more than 80 ltr./min.
- **Lighting system** (necessary if used on public roads)
- **Flag holder and warning marks**
- **Special paint finish**
- **Special construction** on request

## Technical data

Machine type	bema 30 Dual 1850	bema 30 Dual 2050	bema 30 Dual 2300	bema 30 Dual 2600
Hydraulic drive	1 Gerotormotor (industrial quality)			
max. operating pressure	180 bar			
min. fluid throughput	35 ltr./min			
Working width	1850 mm	2050 mm	2300 mm	2550 mm
Collector capacity	approx.. 340 ltr.	approx. 380 ltr.	approx. 430 ltr.	approx. 480 ltr.
Machine weight without extras	approx. 460 kg	approx. 515 kg	approx. 580 kg	approx. 650 kg
Main brush	Power brush 600 mm PPN (polypropylene) or steel/PPN			
Brush revolutions	recommended 100 rpm – max. 150 rpm			
Rotary side brush	600 mm, hydraulically powered (oil flow in series with the main brush)			
Side brush type	PPN (polypropylene), steel/PPN or flat steel wire set			
Water spray system	200 ltr. water tank, tank filter and 12/24 Volt pump			

bema reserve the right to change the technical data at any time.

Your bema Partner:



Our company is certified  
DIN EN ISO 9001:2000



**bema GmbH**  
**Maschinenfabrik**

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# bema Sweepers



Dual System

robust, reliable

technically cost effective and advanced

versatile in application

free sweeping and dirt collection all in one machine

with "Power-Brush"



bema

30 Dual

Cleaning brush Ø 600 mm

### Attaches to:

- Wheel loader
- Unimog-Truck
- Forklifts
- Tractors
- Special vehicles



"A clean product line"

www.kehrmaschine.de



# Rapid sweeper gets everything clean along the entire line!

**bema** 30 Dual

Where cleanliness is required, we are the partner for you!



Wheel loader mounting



Forklift mounting



Tractor front power lifter



Tractor rear mounting



Unimog-Truck lift attachment

The best sweeping results in industrial and street cleaning are guaranteed by the bema 30 Dual. The power brush with its spirally aligned segment fittings and a diameter of 600 mm develops an enormous cleaning performance with a long service life.

With the Dual System the bema 30 Dual can be used to collect dirt or for free-moving sweeps. During free-moving sweep action, the waste collection container is lifted hydraulically and locked mechanically.

It only takes a double-acting control circuit to operate hydraulic components such as the main rotation brush, side brush and opening of the waste collection container.



Effective cleaning of gutters and corners is achieved with the hydraulic side brush(es), folds up and if knocked swings towards machine centre: protection from damage

Switchable water spray system for side brush

Self-cleaning spiral Power brush (even with heavy sludge and loam fouling)

Waste collection container with the support wheel for optimal adjustment to the ground

The Dual System allows you to switch from dirt brush-up to working without the collector. Just use the hydraulic system to lift up the collector and you are ready to go



All units needed are contained within the specially-designed control block: Pressure release valve, run on safety valve, flow switching valve for collector and connection for side brush

Individually adjustable main brush pressure by stepless adjustment of the main brush by handwheel

Control of the main brush setting on a scale



Minimum dust when sweeping because the spray system sprays directly into the brush using the minimum amount of water.

Experience new dimensions in clean!