

bema[®]

A clean product line.

TEAM CLEAN
PROFESSIONALS
VERSATILE AND RUGGED

bema 75 Dual Power-Master
bema 35 Dual
bema 30 Dual
bema 3 Robust



PROFESSIONALS – Features at a glance

Special features

The Dual System of bema PROFESSIONALS is designed for use with or without dirt collection. For use without dirt collection the collection container is simply hydraulically lifted out of the way.

A single double-acting control circuit controls all hydraulic units, including main brush roller, rotating side brushes and opening of the dirt collection container.

Technical details

- The hydroblock is located on the top face of the machine and contains all necessary components, i.e. pressure control valve, overrun protection for brush rollers, switch valve for collection container, and easy to maintain mounting point for rotary side brush.
- Premium Hydroblock (bema 75 Dual Power-Master) additional options include hydraulic flow control valves (up to 220 l/min), load sensing valves and electric 2 way valves to provide extra hydraulic services.
- Level adjustment enabling optimum distance to the ground.
- Compact construction is due to the gerotor motors integrated into the brush roller (bema 35 Dual and bema 75 Dual Power-Master).
- Brush roller pressure is adjustable by using a hand wheel to seamlessly adjust the brush rollers. Monitoring gauge for brush roller position.
- Minimal dust formation during sweeping through the direct injection of moisture into the main brush roller.
- Thorough cleaning of curbs and edges of buildings by using the hydraulic driven rotary side brush (sliding), which moves back to the middle of the machine after service so as to protect from damage.



bema 30 Dual

Main brush Ø 600 mm

- Dual System
- Powerful Gerotormotor
- Super-Elastic wheels
Ø 200 x 80 mm

Best sweeping results at bio-gas facilities, agricultural operations and in street construction are guaranteed by the bema 30 Dual. The brush roller with a diameter of 600 mm is enormously efficient at cleaning and has a very long lifespan.



Attaches to:

- Wheel loader
- Unimog-Truck
- Forklift
- Tractor
- Special vehicle

TEAM CLEAN
PROFESSIONALS

Technical data

Machine type (= working width in mm)	bema 30 Dual 1850	bema 30 Dual 2050	bema 30 Dual 2300	bema 30 Dual 2600
Hydraulic drive	Gerotormotor (industrial quality)			
Min. fluid throughput	35 ltr/min			
Collector capacity	approx. 340 ltr.	approx. 380 ltr.	approx. 430 ltr.	approx. 480 ltr.
Machine weight without extras	approx. 310 kg	approx. 355 kg	approx. 410 kg	approx. 465 kg
Weight of the waste hopper	approx. 150 kg	approx. 160 kg	approx. 170 kg	approx. 180 kg
Main brush	Ø 600 mm			
Brush revolutions	recommended 100 rpm - max. 150 rpm			
Rotary side brush	Ø 600 mm, hydraulically powered			
Water spray system	200 ltr. water tank, tank filter and 12/24 volt pump			

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



Basic configuration

- **Main brush Ø 600 mm**, PPN (polypropylene) or special brush for snow; infinitely adjustable
- **Hydraulic drive** with powerful Gerotormotor (industrial quality); drive shaft Ø 32 mm
- **Integrated function hydraulic module** contains the following functions: pressure release valve, main brush run on safety valve, flow switching valve for collector, connection for side brush
- **Hydraulic connector** SVK size 3
- **Super-Elastic wheels Ø 200 x 80 mm** (rail safe)
- **Swivelling mechanically**
- **Parking supports** (sides) with quick locking and **loading loops** with large openings
- **Series two component painting** orange RAL 2011
- **CE certification** and operating manual

Optional extra equipment

- **Attaches to:** wheel loader, unimog-truck, forklift, tractor
- **Hydraulic waste hopper** with wheel Ø 200 x 80 mm (rail safe)/Dual System
- **Protection plate** incl. rubber spray protector, adjustable in height
- **Hydraulic scraper**
- **Hydraulic swivelling** (additional double hydraulic circuit is necessary)
- **Hydraulic side shift** (left/right per 50 cm)
- **Electrical 2 way-valve** (necessary when a secondary hydr. circuit is not present)
- **Main brush Ø 600 mm** steel/PPN - long standing time -
- **Water spray system** 200 ltr. complete with 12/24 volt pressure pump, internal filter, spray pipe with flat spray jets
- **2. waterpump with 2. water spray pipe (front)**
- **Hydraulic rotary side brush Ø 600 mm** -right and/or left-
- **Hydraulic swing-up rotary side brush**
- **Speed regulation for rotary side brush**
- **Electric ball valve for rotary side brush (On/Off)**
- **Water spray system for rotary side brush**
- **Mechanical drive** incl. drive shaft
- **Flow control valve** for carrying vehicles with an hydraulic output of more than 80 ltr/min
- **Lighting system** (necessary if used on public roads)
- **Flag holder including warning flags and warning marks**
- **Hydraulic connector on demand**
- **Special paint finish**
- **Special construction** on request