

kugelmann*



E800 | E1200 | E1500
U1250 | U1650 | U2150

The revolutionary sweeper-mower combination

kugelmann*

*
**QUALITÄT
MADE IN GERMANY**

The high-quality products of kugelmann are manufactured in Rettenbach am Auerberg, a village embedded into the foothills of the Alps, not far from famous Neuschwanstein Castle.

We are constantly looking for the best. We are firmly focused on the future. And we promise to passionately use our know-how in innovative engineering and our demand for perfect workmanship. Until the last detail is perfect. Until the finishing touch makes a machine a unique one: a kugelmann machine.

Sepp Kugelmann



E800 | E1200 | E1500

**I CAN ALSO
MOW**

With a different front attachment



CONSEQUENTLY ASYMMETRIC

Good sweepers are special vehicles; until now, adaptive devices have never been as good as the specialists. But these are different: E 800 | E 1200 | E 1500: The presumed disadvantage of the lateral suction hose not fully integrated becomes a significant advantage. Only the resulting good accessibility allows the simultaneous use of the suction hose as a high-performing manual suction. The front consisting of brush and aerodynamically optimized suction mouth is designed consequently asymmetric as waste lies mostly at the right-hand side of the road. The simple and intuitive control system is integrated at the available vehicle joystick.

The E 800 | E 1200 | E 1500 series received the Red Dot Design Award 2017 and the iF Design Award 2017, two of the most prestigious product design awards.



reddot award 2017
winner



Focus Open 2017
Internationaler Designpreis
Baden-Württemberg

U1250 | U1650 | U2150



*** COMPLETE MOWER**

More than just a sweeper. With the bigger universal container U1250 | U1650 | U2150, the sweeper becomes a complete mower "in a glance", which fills its container almost dust-free up to the top edge.

Changing from sweeping to mowing is executed very simple and fast - only the mowing unit is changed; suction section and rear with tank remain unchanged.

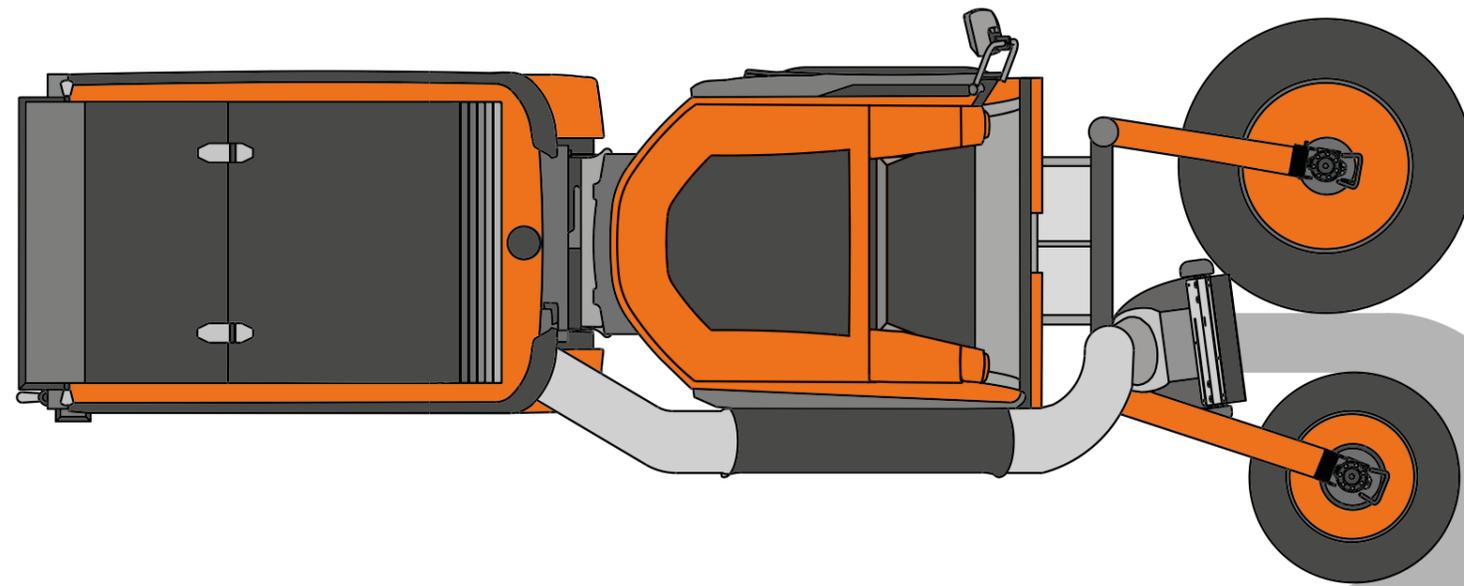
The rotary mower with its blockage-free upper suction is available in widths of 150 cm to 220 cm. Mowing close to the border is a matter of course for us.

I CAN ALSO SWEEP
With a different front attachment



SWEEPING WHERE THE WASTE IS – AT THE RIGHT-HAND SIDE OF THE ROAD

The front consisting of brush and aerodynamically optimized suction mouth is designed consequently asymmetric as waste lies mostly at the right-hand side of the road.

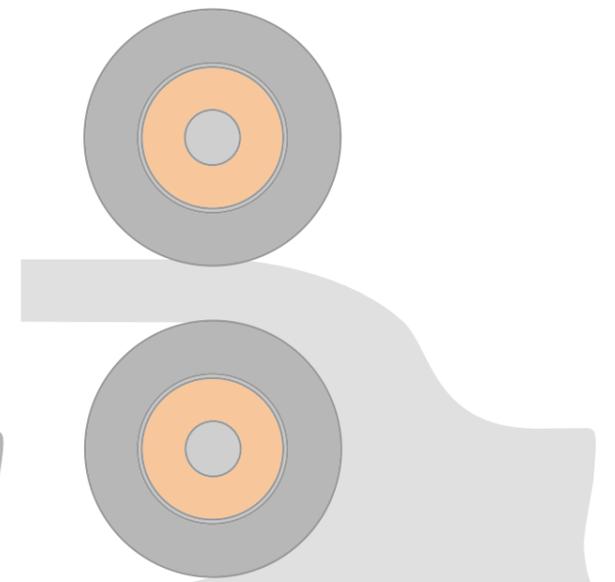


ASYMMETRIC FRONT BRUSH

The shortest way for waste

SYMMETRIC FRONT BRUSH

The largest way for waste



THE STRONGEST MANUAL SUCTION ON THE MARKET.

The presumed disadvantage of the not fully integrated lateral suction hose becomes a significant advantage. Only the resulting good accessibility allows the simultaneous use of the suction hose as a high-performing manual suction.



Emptying of waste bins



Suction of heaps of leaves



Cleaning of gullies





FULLY-INTEGRATED HIGH-PRESSURE CLEANER

As an option, a high-pressure cleaner can be mounted fully integrated at the right-hand side cover. Thus, all cleaning duties can be carried out and plants can be watered. The radius of movement is very large thanks to the 11m long hose.



**For all cleaning
duties**



Watering of plants







COMFORTABLE AND HIGHLY EFFICIENT MANHOLE CLEANING

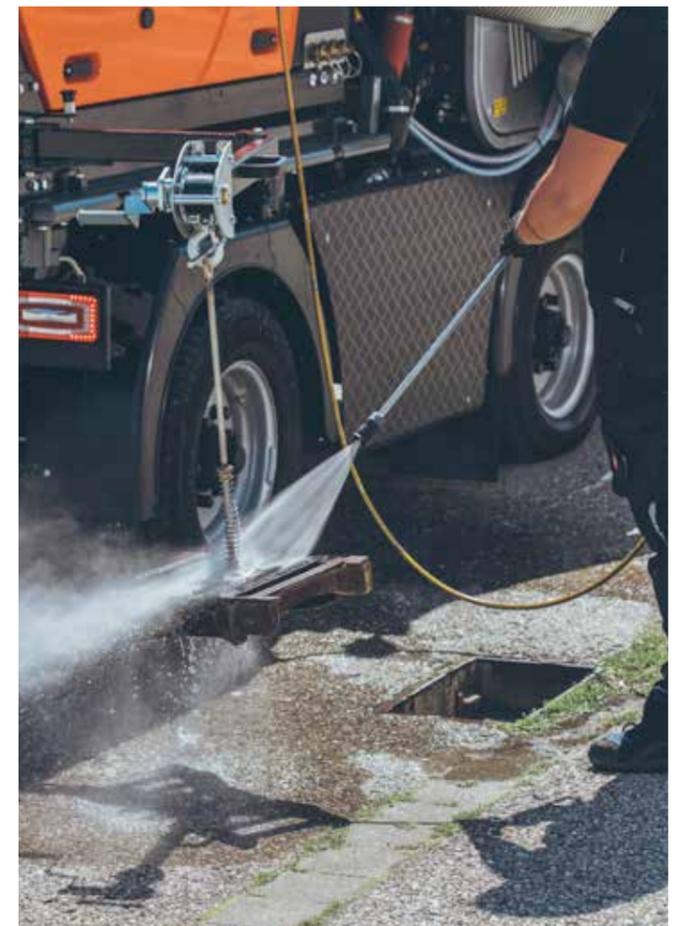
Cleaning manholes has never been so convenient for one single person. The "elbow" allows a boom with flexible reach which ensures that lifting of manhole covers is ergonomic, efficient and user-friendly. This all-round solution is firmly attached to the container and always ready to use. In combination with the manual suction and the high-pressure cleaner, the lifting equipment is a complete package for manhole cleaning done by one person. The system can be flexibly supplemented by simple fitting at any time. Thanks to the hand wire rope, no hydraulic or electric system is necessary. With this effective and easy-to-operate combination, kugelmann presents a conclusive solution.



For all cleaning duties



Cleaning of gullies





MAXIMUM FLEXIBILITY WITH A THIRD BRUSH



Even wider sweeping area with the third brush, even on two levels - to the left or right! The third brush allows more flexible sweeping possibilities. With the third brush, a realistic sweeping width of 2.5m can be achieved. The disc brush (diameter 700 mm) is optimally equipped with collision protection, single speed control and infinite hydraulic release. The automatic identification of the third brush is absolutely practical and convenient. Sweeping parking spots with two brushes or sweeping a step with the third brush - the control system automatically offers the correct function. Flexible supplement to two-brush system. Each two-brush system can be supplemented with a third brush in a simple and comfortable way. This also applies to all previously supplied systems.

Simple and uncomplicated fitting. An integrated quick coupling plate for hydraulic system and water allows easy mounting and automatic locking of the third brush. The complete fitting and removal is done in less than two minutes by means of the mobile tripod. Intuitive operation. Operation is completely identical to operation with two-brush-device.

Users do not need to adapt to a new system. The proven setting of brush speed and brush relief remains the same as with the two-brush system. Convenient switching to the other side. Regardless of whether the brush sweeps in right-hand or left-hand direction, the side changes automatically by the push of a button and so does the rotation of the brush. Also the sweeping area is optimally adjusted automatically with the patented.



SIMPLE AND INTUITIVE CONTROL THAT LEAVES NOTHING TO BE DESIRED.

OPERATING PANEL

OPERATING TYPE

- 3R Brush 3 rh side
- 3L Brush 3 lh side
- 2R rh brush
- 2L lh brush / mowing
- 0 parking

Status display

Status and error display

BRUSH

choose lift/lower

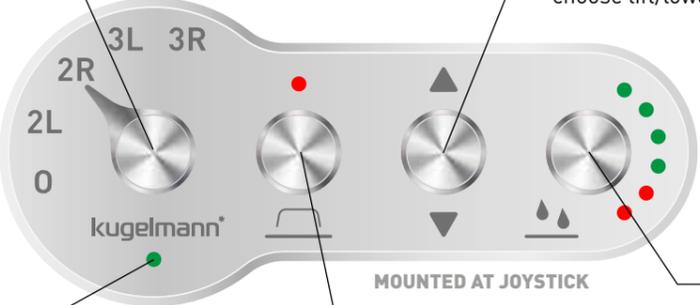
WATER JETS

switch on/off or water quantity

MOUNTED AT JOYSTICK

COARSE DIRT FLAP

Lift/lower



BASIC SETTING SWEEPER UNIT

SUCTION MOUTH

Water jets on/off

SPEED | RELEASE BRUSH

3rd brush

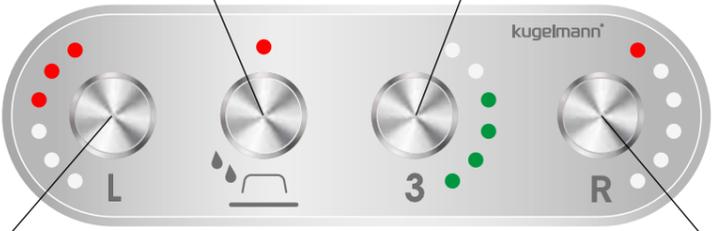
SPEED RELEASE BRUSH

lh brush

MOUNTED WITHIN REACH

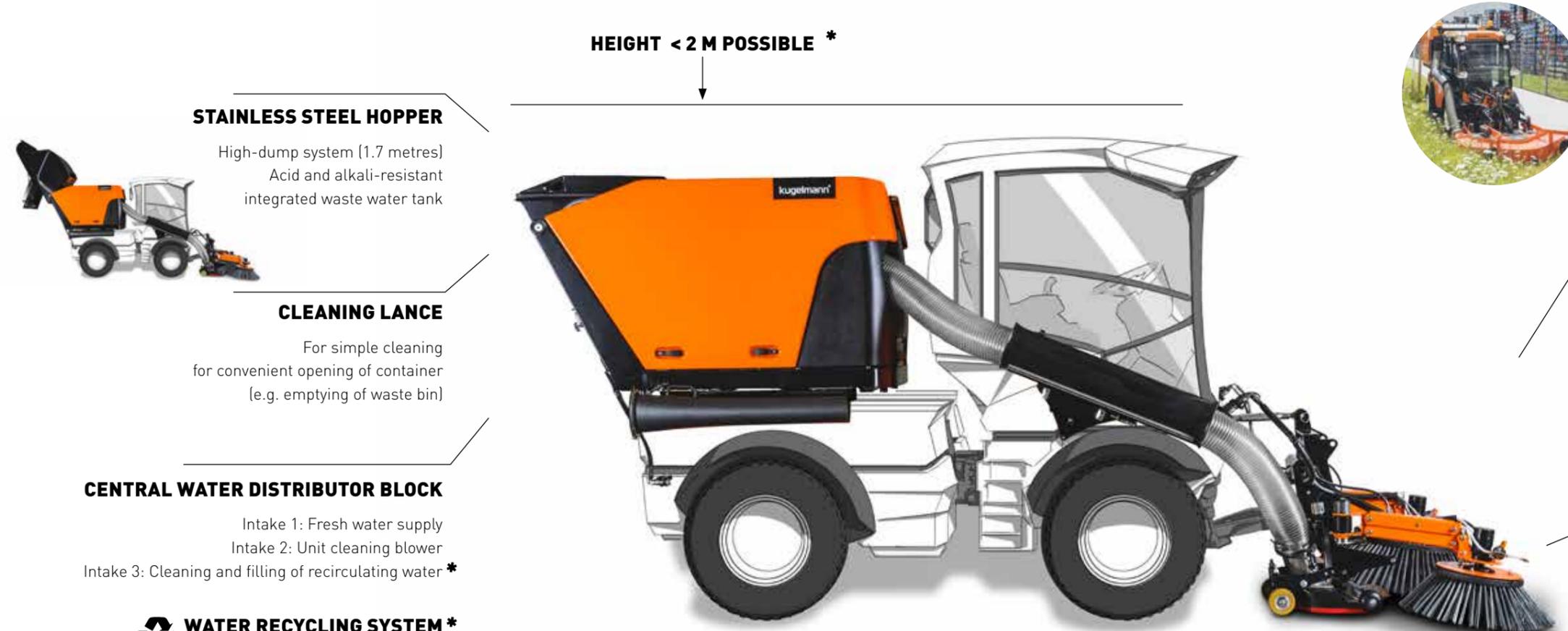
SPEED RELEASE BRUSH

rh brush



MAXIMUM EASE OF MAINTENANCE. GOOD ACCESSIBILITY = SIMPLE AND SAFE CLEANING.

THREE SERIES WASTE CONTAINER E 800 | E 1200 | E 1500
THREE SERIES UNIVERSAL CONTAINER U1250 | U1650 | U2150



HEIGHT < 2 M POSSIBLE *

STAINLESS STEEL HOPPER

High-dump system (1.7 metres)
Acid and alkali-resistant
integrated waste water tank



CLEANING LANCE

For simple cleaning
for convenient opening of container
(e.g. emptying of waste bin)

CENTRAL WATER DISTRIBUTOR BLOCK

Intake 1: Fresh water supply
Intake 2: Unit cleaning blower
Intake 3: Cleaning and filling of recirculating water *

WATER RECYCLING SYSTEM *

Extremely low fresh
water consumption
Additional waste water pump,
volume 215 litres

ENDLESS OPTIONS

3rd brush manhole
cover lifter Weed
eradication
Fully-integrated manual suction Leaf rake
High-pressure cleaner Stand legs Flasher/markings
Camera
Rear view camera
Suction mouth camera
Split screen monitor
Holding device for shovel and broom Front-mounted
rotary mower (150-220cm working width)

MANUAL SUCTION

(optional)
Fully integrated
incl. water spraying system
and collapsible pipe
without blockage



HIGH-PRESSURE CLEANER

(optional)
Fully integrated
for all cleaning
and watering tasks



COMPLETE MOWER

More than just a sweeper. The E 800 | E 1200 | E 1500 is
equipped with a rotary mower (1.65 m working width), a
complete mower. Changing from sweeping to mowing is very
simple and fast (5 min.);
only the mowing unit is changed; suction section and rear
with tank remain unchanged.

CONSEQUENTLY ASYMMETRIC FRONT BRUSH SYSTEM

Adjustable two-brush system
Hydraulic, stepless brush pressure adjustment
(adjustable from cabin)
Stepless single brush speed setting
Fast, tool-less fitting and removal
Integrated collision protection for disc brush
Wide-angle mirror for suction mouth monitoring
Patented lateral hose system

INFINITELY VARIABLE WATER JETS

Fitted visible at the disc brushes

MANHOLE COVER LIFTER

(optional)
Ergonomic attachment
High-quality crank for
effortless lifting
Maximum flexibility with universal
lifting tackle Retrofittable at any time



3RD BRUSH

(optional)
Fitting and removal in one
minute Retrofittable at any time
Intuitive operation (as with 2 brushes)
Automatic adjustment of sweeping



MAXIMUM SAFETY

Safe access to suction mouth and suction section
Operator not exposed to danger
no need to be present in the danger zone under the machine

SUCTION MOUTH WITH COARSE DIRT FLAP

Automatic and hydraulically adjustable coarse dirt flap
working clearance can be set without tooling
aerodynamically optimized suction mouth

*with E800 | E1200 | E1500

MACHINES THAT IMPRESS

With passion, we manufacture reliable and pioneering machines - we love what we do.



D 301 | D 601

The new generation of one-chamber three-point spreaders by kugelmann: A real milestone.



L 411 - L 1551

Three-point spreader series with self-loading function: revolutionary thanks to the pivoting hopper



D 352 - 2302

Two-chamber three-point spreader: the absolute multi-talent



A 201 - A 1501

The new one-chamber truck-mounted spreader by kugelmann: revolutionary and trend-setting - a real innovation on the



A DUPLEX

kugelmann two-chamber truck-mounted spreaders: established and proven reliable for decades.



SCHNEERÄUMSCHILDER

Smooth snow clearing: kugelmann snow ploughs stand for clean snow removal without damaging roads and tracks.



E 800 | E 1200 | E 1500

The kugelmann sweeping suction combination: reliable, simple and extremely effective.



U1250 | U 1650 | U 2150

In no time, our universal container changes from a sweeper to a complete mower.



FA xx

The FA XXX combines water tank, watering system and brine spreader in one. A flexible partner for summer and winter.



HEROES OF WINTER

kugelmann*

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kugelmann Maschinenbau is a family-run Allgäu business with its main emphasis and tradition in municipal technology. With passion, we manufacture reliable and pioneering machines - we love what we do.