



## SHUTTLE ECO

F E E D I N G R O B O T

- ✓ Modular feed kitchen with storage boxes (ports)
- ✓ Flexible working hours because several days' basic ration is already prepared
- ✓ Clean and effective storage hoppers, no feed residues, so there is no additional cleaning work
- ✓ No feed remnants, less picky feed consumption, forage is already chopped in the storage boxes
- ✓ All components are weighed precisely by the feed kitchen and in the mixer
- ✓ Uniform metering by scales, which controls the speed of the mixer and opening of the mixer flap
- ✓ Rapid return on investment thanks to low power consumption and labour saved
- ✓ Consistent and individually adjustable feed rations
- ✓ Fresh feed rations several times a day appropriate to each group of animals
- ✓ Fresh feed presented several times a day has a positive effect on the natural feeding behaviour of the animals and also leads to a more efficient feed usage



### FEED AVAILABLE AROUND THE CLOCK

WASSERBAUER GMBH FEEDING SYSTEMS  
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## SHUTTLE ECO

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Application	Autonomous feeding robot that holds 2.2 m <sup>3</sup>
Dimensions	2450 x 1730 x 2050 mm
Weight	2500 kg
Daily feed quantity	10,000 - 12,000 kg depending on feed material
Mixer volume	2.2 m <sup>3</sup> / up to 800 kg
Travelling speed	up to 13 m/min
Navigation	Magnets embedded in the floor at 1-metre intervals Magnet diameter 5 mm, no steel plate needed on the floor
Battery operated	48V battery, cooling and heating mats integrated into the battery
Charger terminal	Drive-in intelligent charging station for consumption-optimised charging cycles, connected load 400V/16A
Gradient	up to 10%
Filling	Feed kitchen customer-optimised for feed components & daily feed volume, basic ration, concentrates, mineral feed, liquid components
Trough width	to one side 2500 mm, to both sides 3000 mm upwards (4500 mm needed to turn around)
Options	Battery expansion, magnetic separator, second charging station, feed height measurement
Power consumption	Approx. 20 kWh/day (farm with 50 dairy cows)



# SHUTTLE ECO

F E E D I N G R O B O T

## FEED AVAILABLE AROUND THE CLOCK

The Shuttle Eco supplies the animals with precisely optimised quantities of fresh feed around the clock, 365 days a year. Optimum feeding is the most important factor in caring for livestock. Higher feed consumption leads to higher yield and, as a result, to a higher profit. By feeding small quantities at regular intervals, food waste is minimised and the natural feeding behaviour of the animals is encouraged. Improved animal health is the consequence.

- ✓ Equipped with the latest Li-Ion battery technology
- ✓ Specially developed plastic mixing hopper, made of wear-resistant and acid-resistant material
- ✓ Fresh feed presented several times a day has a positive effect on the natural feeding behaviour of the animals and leads to more efficient feed usage
- ✓ An integrated feed pusher enables passes for feed pushing only
- ✓ Pusher passes are freely programmable
- ✓ Different feed recipes for individual pens/animal groups can be stored in the program and adapted using your PC/mobile phone remotely or on the unit
- ✓ Battery technology offers very low-cost and low-emission feed distribution
- ✓ Data recording and evaluation of the applied feed quantities
- ✓ Especially for fattening farms, a feeding curve can be programmed for regularly increasing the ration



### Mixer & hopper

Stainless steel auger with 4 cutting blades / hopper made of special wear-resistant and acid-resistant plastic, "Speed-Up" auger function for residue-free emptying of the hopper.

### Feed height sensor

Feed height sensor for automatic adjustment of the feed quantity, depending on the feeding behaviour of the animals



### Recording

All feed components used are recorded in the software so that they can be compared with the milk yield or daily weight gain and used for optimisation



### Pusher

A feed pusher is integrated into the Shuttle Eco



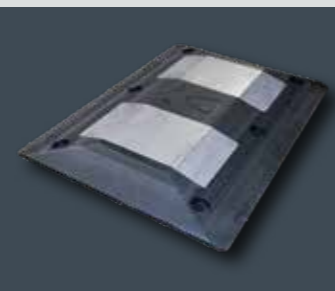
### Multi touch display

10" touch display with internet connection for remote maintenance and operation



### Remote maintenance

Evaluation and remote diagnostics as well as automatic software updates



### Charger terminal

Drive-over charging station for consumption-optimised charging cycles, connected load 16A



### Safety systems

Safety switch & flap to detect obstacles, switches off automatically



### MyPort filling optimum processing of the feed components

Compacted material from the clamp can be stored temporarily in the intermediate hopper and is extracted and chopped on demand and fed directly into the mixer → intermediate hopper for several days



Maintenance-free roller link chains without re-tensioning with central greasing, VFD-controlled chopping rollers, patented screen & counter blades for uniformly chopped feed (35 mm or 69 mm)

