

CLEAN COMFORT



FRESH FARMING

**IN 2023, WILSON AGRI  
REVOLUTIONISED CUBICLE  
BEDDING WITH THE  
LAUNCH OF THE BEDMAID  
RANGE. SINCE THEN,  
DIRTY STALLS AND AIR  
POLLUTION HAS BECOME  
A THING OF THE PAST,  
AND EVERY COW  
RECEIVES AN OPTIMALLY  
CLEAN STALL. THE SPEED  
AND OVERALL EFFICIENCY  
OF THE SELF LOADING  
MACHINES, INCLUDING  
CLEANING PRECISION  
MAKE BEDMAID A  
VALUABLE ASSISTANT ON  
MODERN DAIRY FARMS.**





**BED MAID ELV**

**BED MAID**





## OPERATOR COMFORT

The BedMaid range of bedding machines was designed with farmers, cows and the environment in mind. Ergonomics in the dairy industry requires reform which the BedMaid aims to achieve.

- 1 A waterproof saddle seat is positioned accurately from the steering wheel to give optimal vision and control ensuring no strain to the operator when filling the hopper or cleaning the beds.
- 2 Foot rest pedals provide additional support and comfort for the operator.
- 3 The brush swinging control pedal is aligned with the foot rest ensuring the operators leg is never strained, with the foot rest providing support.
- 4 A handle positioned directly beside the steering wheel turns the auger and the flow of bedding materials on and off eliminating any need to stretch or strain.







4 CONTROL HANDLE FOR DISPENSING THE BEDDING MATERIALS

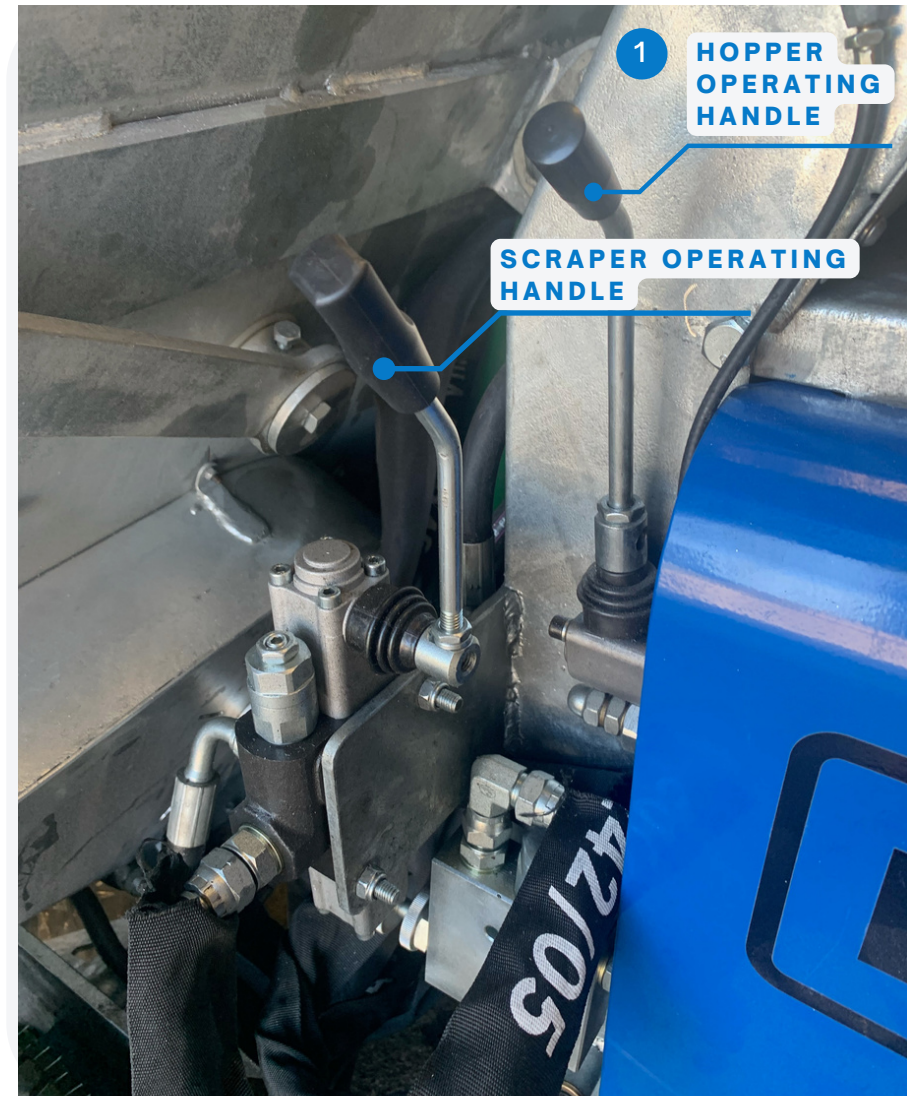
1 SADDLE SEAT

2 FOOT REST



## EASY LOADING

- 1 The loading task is simplified to the pull of a lever. Operated by a hydraulic ram system the 500L capacity hopper tilts allowing the operator to load in a matter of seconds.
- 2 Positioning the hopper at the front of the machine gives the operator comfort and control for efficient loading and ensures their posture is not depleted in any way by the BedMaid.
- 3 The self loading mechanism enables the operator to keep a safe distance from the elements being used.
- 4 A hot dip galvanised finish is essential for this self-loading machine ensuring the hopper does not become damaged on the concrete as bedding materials are collected.







The hydraulic ram operates the tipping hopper saving the operator any heavy lifting

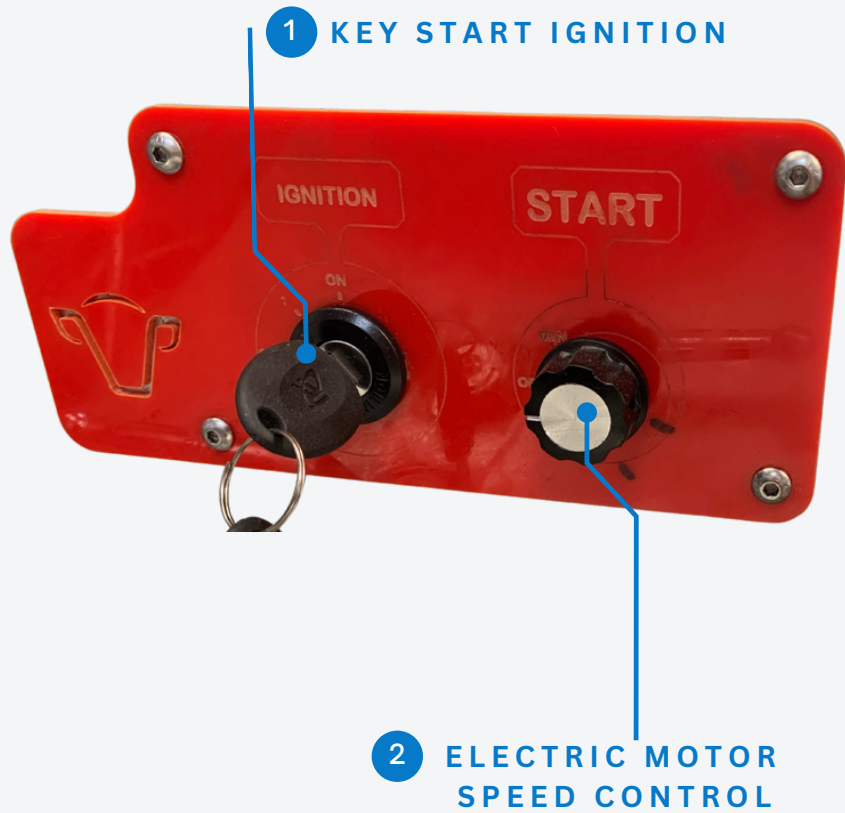


Simply pull the lever to control the hopper when collecting bedding materials

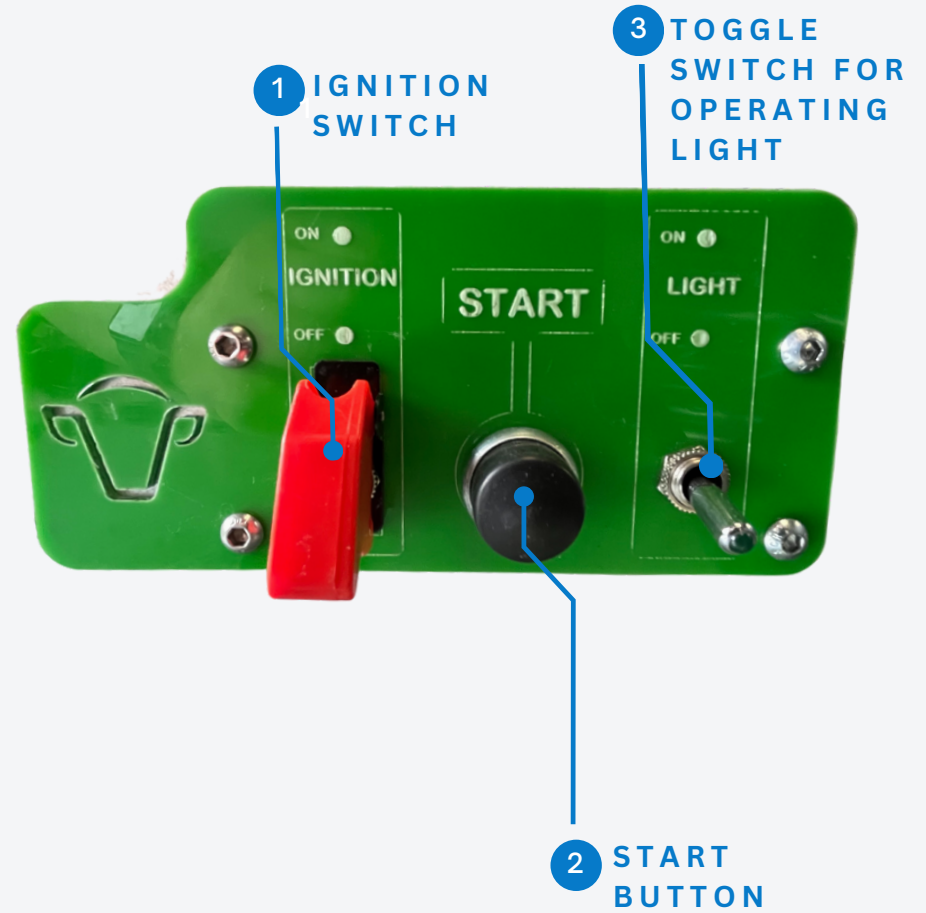


# SIMPLE OPERATIONS

## STARTING ELV MODELS



## STARTING FUEL MODEL







## MINIMAL NOISE POLLUTION

The BedMaid EL10 and EL20 models feature a noise threshold of 98 decibels operated through the silencer system on the exhaust.

ELV boasts a 60 decibels noise threshold which is quieter than the sound level of a household vacuum cleaner of 70 decibels. This is advantageous for both the BedMaid operator and livestock.

The BedMaid ELV is uniquely designed for use on modern dairies where the machine is being used in close proximity to the residing cows maintaining a peaceful and productive environment.



## MINIMAL AIR POLLUTION

The air quality benefits of the BedMaid range are obvious with the ELV machine. ELV is fully electric featuring a 4.7KW variable speed lithium ion battery the machine is fume free providing a clean environment for milk producers and their herds.

This is also a benefit internally within the machine, with no air, fuel or oil filters the machine requires little maintenance.







A battery charging protection pack protects the battery from voltage surges ensuring the BedMaid battery has a long lifespan.



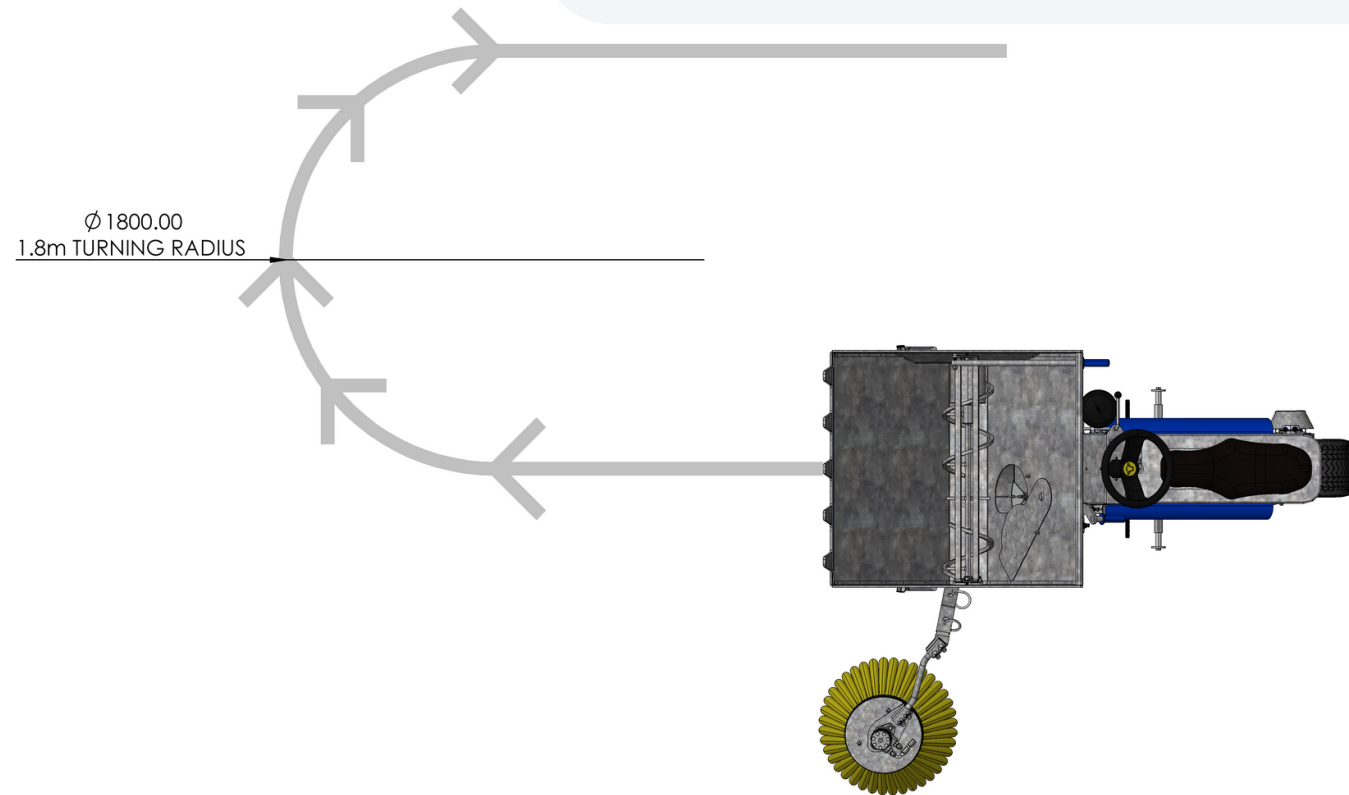


## 1.8M TURNING CIRCLE

The BedMaid range of bedding machines have a uniform size measuring 2522mm long by 1000mm wide. This compact size makes BedMaid ideal for both large and small cubicle sheds, with a turning circle of just 1800mm.

BedMaid's standard three wheel drive feature aids in the optimisation of a tight, efficient turning circle making it suitable for every part of the shed.

The efficiency of BedMaid cleans and refreshes 200 cow cubicles in less than 20 minutes to the optimum standard.







**BED AID ELV**

**BED AID**



## MANURE SCRAPER & SIDE-BRUSH

- 1 A 1050mm scraper positioned beneath the hopper both cleans the slats and debris swept off the cubicles by the brush as BedMaid travels along the passageway.
- 2 The scraper is complimented by a 750mm brush with heavy duty plastic bristles which provides a consistent sweep. Positioned in front of the scraper when in use ensures an accurate clean.

The self-levelling brush arm ensures BedMaid effectively cleans every cubicle bed regardless of curb height. The floating head mechanism provides sufficient freedom for the brush to find the curb however the heavy duty arm ensures effective stability for cleaning the beds optimally.

Effectively cleaning the alley directly behind the cubicles allows cows to enter the beds with clean hooves, and their tails are also clean as they rest.



- 1 Galvanised scraper with rubber belt
- 2 The large brush head on the self-levelling arm rotates clockwise when cleaning



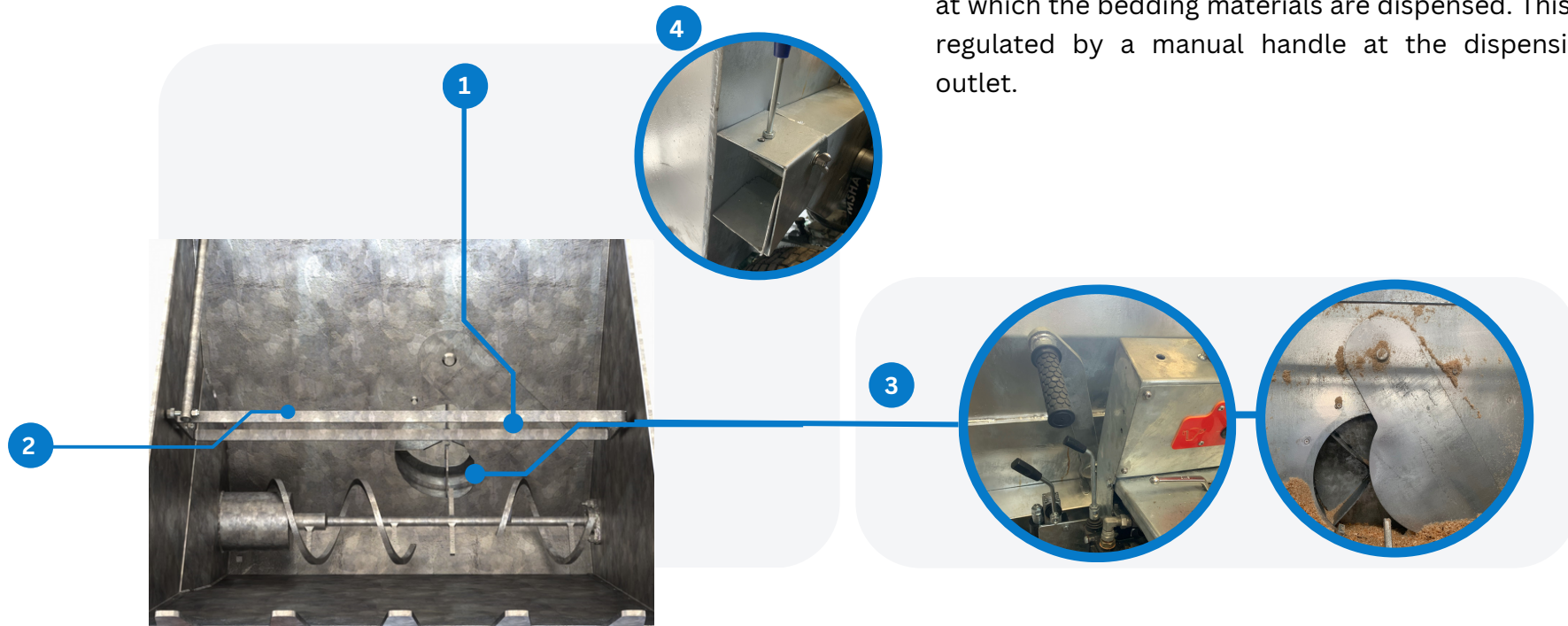




## CONSISTENT BEDDING DISTRIBUTION

- 1 A hot dip galvanised auger within the hopper agitates the bedding materials ensuring they are optimally blended while dispensing.
- 2 The dual bar mechanism within the hopper is operated by a handle and ensures bridging of the bedding material or blockages do not occur resulting in a consistent flow of bedding material.

- 3 Full control over and the ability to regulate the flow of the bedding materials by simply pulling the lever positioned directly in front of the steering wheel on the hopper. This controls the material flow from the hopper to the dispensing outlet.
- 4 With variation in cubicle kerb height from farm to farm BedMaid offers the ability to adjust the height at which the bedding materials are dispensed. This is regulated by a manual handle at the dispensing outlet.





2

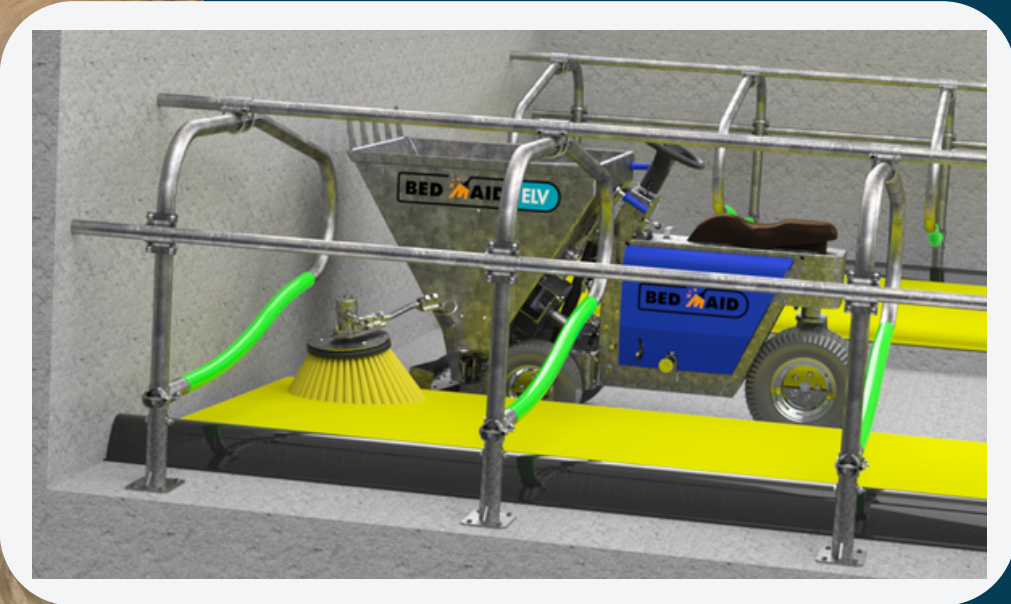






## IDEAL FOR DEAD ENDS

BedMaid is the ultimate solution for bedding every cow stall. The brush, scraper and hopper are strategically positioned at the front of the BedMaid ensuring the very last cubicle on the row is also cleaned to the optimal standard, a significant disadvantage of other bedding machines.





**BED MAID ELV**





## TECHNICAL SPECIFICATIONS

Bedding Material      Chopped straw, sawdust, wood shavings,  
waste paper, lime or disinfection powder

Loading                      Self-loading

Bin Volume                500 L

Spreading distance    500 - 2000 mm

Brush diameter         750 mm

Scraper width            1050 mm

Overall Width            1050 mm

Overall Length         2522 mm

Overall Height          1300 mm

Weight                     550 kg

Turning diameter        1800 mm

**Ground clearance**    140 mm



**Battery**                  Lithium Ion AH

**Engine**                    4.7 KW

**Voltage**                  48 V

**Noise Level**            60 db

**Charging**                Battery protection pack

**Run Time**                60 minutes run time on full  
charge.





## BED MAID EL10

<b>Engine</b>	Yanmar LV100V6-DE
<b>Engine</b>	10 hp
<b>Noise Level</b>	98 db
<b>Speed</b>	10 km/h
<b>Fuel Capacity</b>	5 L
<b>Run Time</b>	90 minutes run time on full tank.



## BED MAID EL20

<b>Engine</b>	Honda L100V6-DE Petrol
<b>Engine</b>	20 hp
<b>Noise Level</b>	98 db
<b>Speed</b>	10 km/h
<b>Fuel Capacity</b>	5 L
<b>Run Time</b>	90 minutes run time on full tank.





## KEY FEATURES OF THE BEDMAID RANGE

- Fully hot dip galvanised
- Large hopper capacity (500 L).
- Hydraulically operated self-loading hopper, revolving brush and scraper.
- 1050mm wide rubber scraper with brush bristles behind
- Left hand side brush Ø 750 mm
- Brush height can be manually adjusted to 3 height settings dependent on cubicle kerb height, or optionally unfixed enabling the brush to naturally float to the kerb height if bed heights vary.
- Suitable for chopped straw, shavings, sawdust and mixed with powdered lime.
- Control bedding quantities dispensed using the flow adjustment handle.
- Efficient manoeuvring requiring only 1800 mm turning space.
- Simple switchover from one- to -three wheel drive.
- An auger within the hopper agitates the bedding blend ensuring a consistent treatment per stall.
- Agile steering.





## KEY BENEFITS

- **Minimal Noise:** the ELV model has a minimum noise threshold of just 60 db, less than the average household vacuum cleaner (70 db). This advancement in animal bedding equipment delivers a safe and comfortable noise level for both the operator and the milking herd. Cows are extremely sensitive to noise, which has an adverse impact on their wellbeing. Versus tractor scrapers and alternative bedding machines BedMaid ELV is a modern advancement for animal welfare.
- **No Pollution:** In line with global sustainability goals the BedMaid range aims to have a minimal impact on the environment. The ELV signature model is the front runner with its lithium battery eliminating fumes and carbon footprint producing a cleaner environment for those on the farm and society as a whole.
- **Low Maintenance:** A current challenge within the cubicle bedding machine market is the replacement of air filters which regularly require maintenance and upgrading. BedMaid ELV has no filters (air, fuel or oil) and requires less maintenance saving you time and money.
- **Energy Efficient:** The ELV models lithium battery charges fully within an impressive 6 hour period. The battery is charged simply using a standard 13 amp socket and BedMaid ELV is supplied with a battery pack protecting it from power surges for a long lifespan.





## KEY BENEFITS

- **Easy to operate:** the EL20 model has a minimum noise threshold of 98 db. This advancement in animal bedding equipment delivers a safe and comfortable noise level for both the operator and the milking herd. Cows are extremely sensitive to noise, which has an adverse impact on their wellbeing. Versus tractor scrapers and alternative bedding machines the BedMaid range offers a modern advancement for animal welfare.
- **Compact and manoeuvrable for any size of shed:** The BedMaid is designed for every dairy, with a tight turning radius of 1800 mm it will get around every corner.
- **The 'floating' self-levelling scraper:** BedMaid ensures the cubicle cleaning and bedding process is as efficient as possible, ensuring the BedMaid does not jolt if the scraper comes into contact with a protrusion on the ground surface.
- **Time and labour saving:** BedMaid scrapes the slats, brushes the stalls and spreads an even layer of bedding in just one pass.
- **Improved hygiene:** BedMaid makes maintenance of a hygienic cow shed simple, preventing build up of damp bedding and faeces on cubicle beds helps to prevent and reduce mastitis, somatic cell counts and disease.





## KEY BENEFITS

- **Easy to operate:** the EL10 model has a minimum noise threshold of just 98 db. This advancement in animal bedding equipment delivers a safe and comfortable noise level for both the operator and the milking herd. Cows are extremely sensitive to noise, which has an adverse impact on their wellbeing.
- **Compact and manoeuvrable for any size of shed:** The BedMaid is designed for every dairy, with a tight turning radius of 1800 mm it will get around every corner.
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**CLEAN COMFORT**



**A BRAND OF WILSON AGRI**

**YOUR LOCAL STOCKIST**

**75 DRUMCROONE ROAD  
COLERAINE  
NORTHERN IRELAND**

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