



# Robotic Feed Pushers

Automated systems to maximize  
feed intake.



# A helping hand to maximize production

Valmetal offers both a rotary-drum type, and a powered-auger type of feed pusher so you can choose the right one for your needs.

## Both feed pusher models:

- Operate with rechargeable batteries.
- Follow a magnetic strip embedded in the floor.

## Increase milk production

It is well known that the action of pushing silage and hay to the cows increases their voluntary consumption of dry matter, and consequently their milk production. Indeed, they are on the lookout as soon as the pusher starts! Frequent feed push-up improves palatability and stimulates extra intake.



# Which type of feed pusher is best suited for my farm?



## Elements to consider

- Frequency of feeding
- Consistency of feed delivery
- Floor conditions and slopes
- Alley widths & lengths
- Internet availability

### ORBI-FEED

- ✓ Feed is pushed by rotary action of drum.
- ✓ Guided by a continuous magnetic strip embedded in the floor.
- ✓ Simple design with low maintenance.
- ✓ Controlled by Orbi-Feed tablet.
- ✓ Maximum floor slope of 3%.
- ✓ Recommended for use with consistent feed deliveries.



### PRO-FEED +

- ✓ The auger carries and mixes sorted feed back into the feed line.
- ✓ Guided by spaced magnets embedded in the floor.
- ✓ Extended range and fast charging cycle.
- ✓ Requires smooth floor transitions.
- ✓ Adaptable to varying feed conditions.





# Orbi-Feed

## Rotary feed pusher

Set up and program easily the Orbi-Feed routes to feed and stimulate the appetite of cows. Silage or hay is gently pushed to the animals by the simple rotation of the robot which is guided by a magnetic strip embedded in the floor.

### Features

- 24 Volt gear motor
- Twin 12-Volt batteries
- 24 automatic cleaning cycles
- Main power disconnect
- Wheel release handle
- Heavyweight construction

### Benefits

- ✓ Heavy unit is able to push heavier feed lines.
- ✓ Simple and reliable system that requires minimal maintenance.
- ✓ Large drum handles wider feed lines.
- ✓ Daily automatic cleaning cycles using the Orbi-Feed app.
- ✓ Easy to install, program and operate.
- ✓ Private wifi connection, no internet required.

**Reduce manual labor, the Orbi-Feed takes care of pushing up feed so that your animals don't miss anything.**

### Wall-mounted charging station

At the end of its cycle, the Orbi-Feed automatically heads to its charging station.





### Rubber skirt band

The rubber skirt and rotating movement of the device pushes feed towards the animals.



### On-board controls

The Orbi-Feed features two emergency stop buttons located on the front and rear of the cover. Light and sound warning devices activate when the vehicle is in motion.



### Bump detection

The spring-loaded top lid can detect contact with an object or animal. During a major impact, the robot automatically goes into pause mode as a preventive measure and sends a light signal.



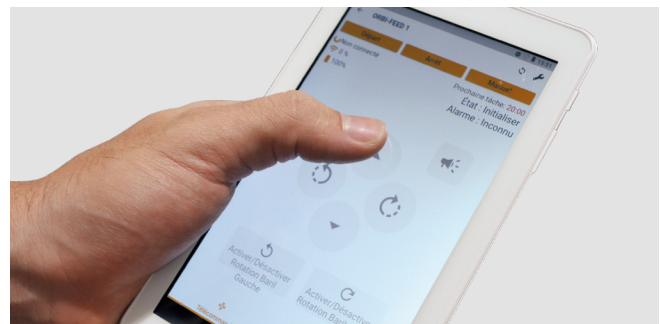
### Motor

The Orbi-Feed is powered by a 24-volt gear motor and two 12-volt batteries. A lever is used to activate and deactivate traction.



### Drum drive wheels

The Orbi-Feed is equipped with 2 drive wheels which are powered by independent maintenance-free motors.



### Convenient control

The robot is easily operated using the Orbi-Feed tablet.



## Pro-Feed +

# Auger feed pusher

Pro-Feed + is a new generation with a unique auger design that loosens, mixes and pushes feed simultaneously as it travels. The ability to program paths 14" (35 cm) to the left or right of the default path allows the Pro-Feed + to adapt to shrinking feed volumes throughout the day.

## Features

24VDC servo-motor

Twin 12-Volt gel batteries

Large diameter low-speed auger

Remote service support

On-board touchscreen

Obstacle safety system

## Benefits

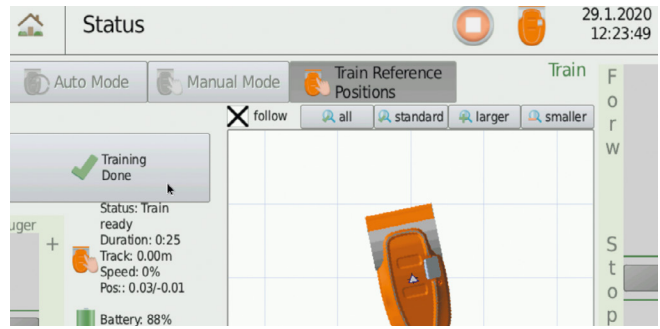
- ✓ Auger cleans feed across a wide path.
- ✓ Mixes collected feed back into the mass.
- ✓ Adjustable path for varying feed conditions.
- ✓ Long operating distances.
- ✓ Remote connection on your mobile device, tablet or computer.
- ✓ Can send you alerts via SMS and email.





### Touchscreen

A waterproof controller with 10" (25 cm) touch screen is located on the top of the device. It can be detached from the lid to program the different functions in complete comfort.



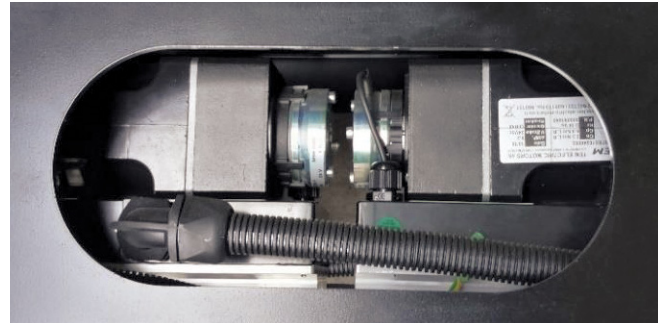
### Advanced programming

The control screen menu is user-friendly and simple to use. Its advanced programming allows you to set routes and departure times, consult the level of battery charge, etc.



### Charging station

The charging station consists of a thin 1/8" (3 mm) plate mounted on the floor. The new high-speed charging system is 2.5 times faster and delivers extended battery life so you spend more time working and less time charging.



### Motor drive

The new generation servo-motor reduces energy consumption by up to 20%. Motor controls are mounted directly on the motors for maximum reliability.

**Feed is carried and re-mixed by the powered auger, enticing cows with the smell of a fluffy and refreshed feed line.**

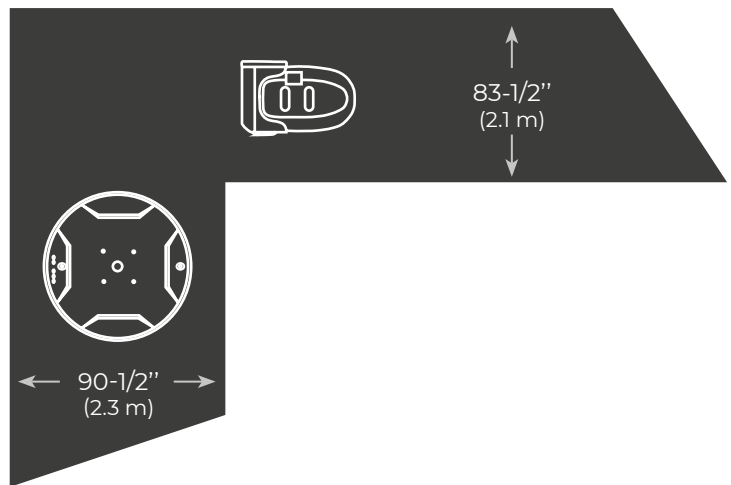


## Minimum alley width for turning

A clearance of **20" (51 cm)** on each side of the robot is required to turn at the end of the aisle.

**Orbi-Feed** = 90-1/2" (2.3 m)

**Pro-Feed +** = 83-1/2" (2.1 m)



## Specifications

	Length	Width	Height	Weight
<b>Orbi-Feed</b>	50-1/2" (1.3 m)	50-1/2" (1.3 m)	42-9/16" (1.1 m)	1,600 lb (726 kg)
<b>Pro-Feed +</b>	79" (2 m)	43-1/2" (1.1 m)	33-1/2" (0.9 m)	1,543 lb (700 kg)

Specifications, descriptions and illustrative material in this literature are as accurate as known at the time of publication, but are subject to change without prior notice. Illustrations may include optional equipment and accessories, and may not include all standard equipment.



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