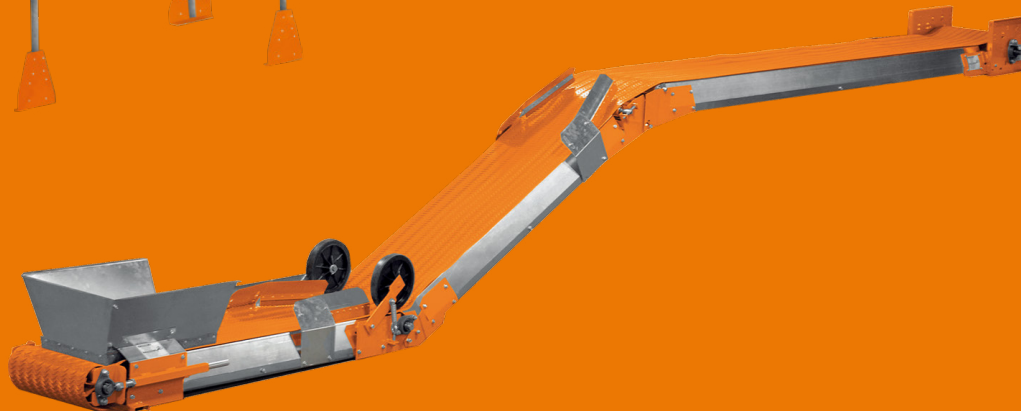
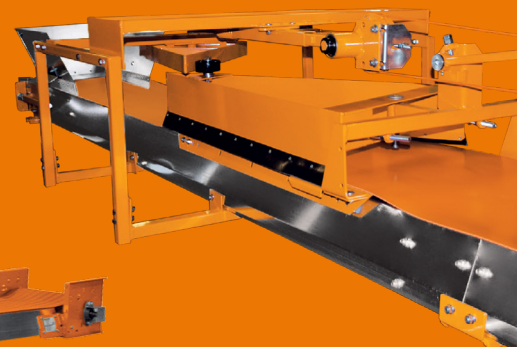




Belt feeders & conveyors

Reliable and efficient models to create the perfect distribution system.



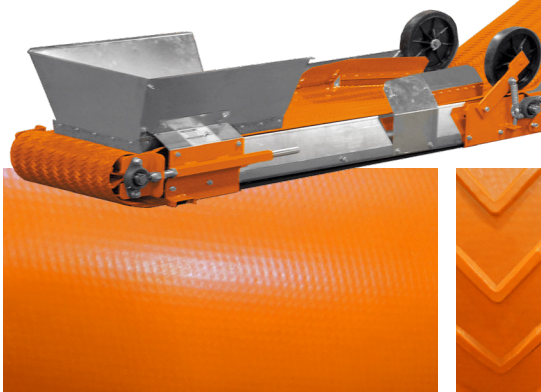
Belt conveyors

The simple design of all Valmetal belt conveyors delivers maximum reliability and minimum maintenance. The direct-drive gearbox eliminates belts, pulleys, sprockets and chains.

Benefits

- ✓ Very quiet and low maintenance.
- ✓ High speed belt delivers large volumes quickly.
- ✓ Selection of accessories for a professional installation.
- ✓ Feed is delivered without any separation of fines.

Efficiency and reliability for today's farms!



Smooth Belt

Made of polyester and PVC, it is specially designed to remain flexible, even in extreme cold conditions. (10° maximum angle)

Textured Belt

The textured surface provides more traction for the material, keeping it moving up most inclines. (30° maximum angle)

Cleated belt

The molded paddles keep material moving smoothly and evenly up steep inclines. (45° maximum angle)

Features

Smooth, textured or cleated belt

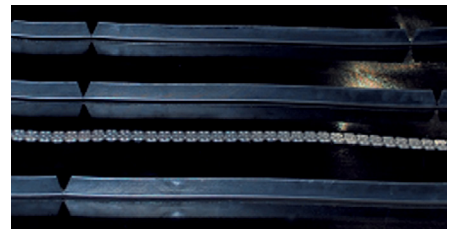
Wide choice of drive kits for standard, industrial, or special-speed applications

The sturdy galvanized or stainless steel sections are easy to assemble

Belt widths: 14" (36 cm) - 18" (46 cm) - 24" (61 cm) - 36" (91 cm) - 48" (122 cm)



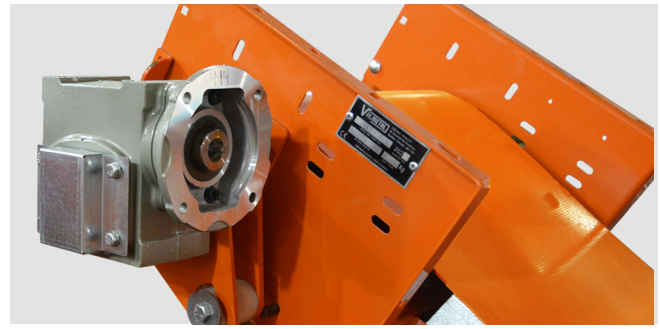
The large diameter drive rollers are covered with a non-slip rubber for **positive belt traction**.





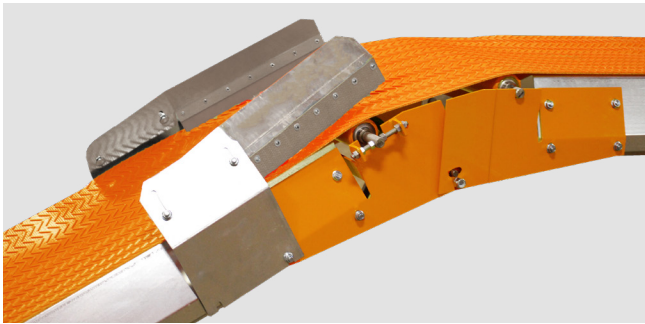
Hopper

Galvanized steel hopper eliminates spillage and centers feed on belt. Simple belt tightener maintains belt tension.



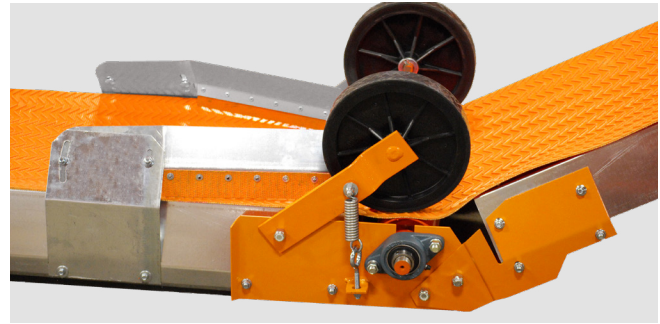
Motor and gearbox drive units

The gearbox-drive is compact and may be mounted on either side. Choose the standard model for most applications, or the industrial series for the most demanding jobs.



Decline section

The decline section is adjustable from 0° to 35° to fit different configurations. Deflectors keep feed in the center of the belt.



Incline section

An adjustable incline section, from 0° to 35° makes installation easy. The big UHMW hold down wheels will not corrode and require no lubrication.



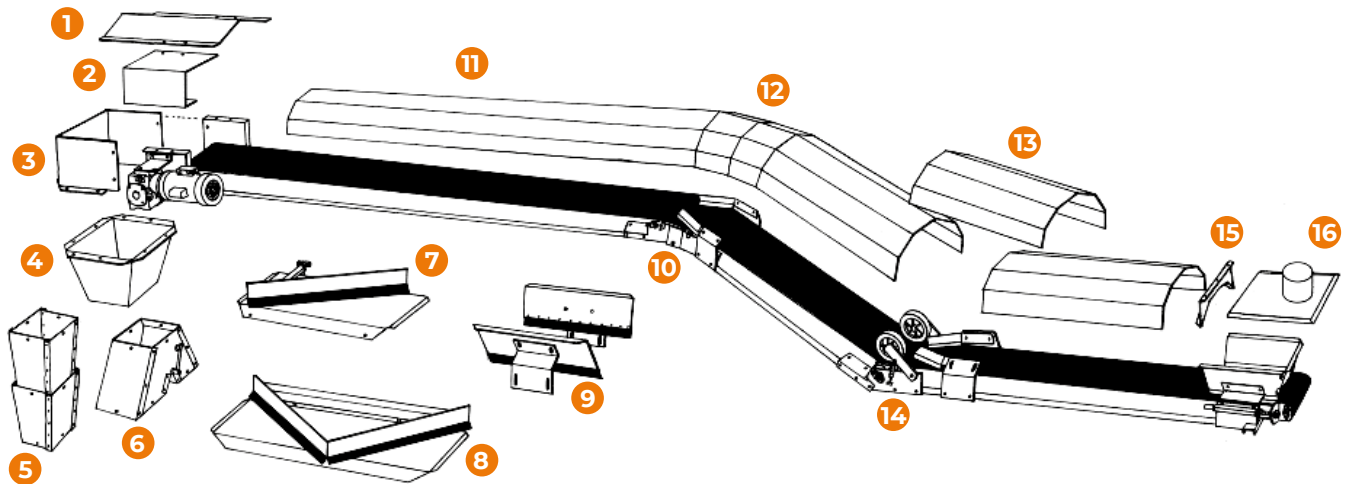
Stationary plow kit

The standard plow or the two-way plow (shown, for reversible conveyors) will discharge material off the side, or will allow feed to pass when retracted. For smooth belt only, choose manual or electric control.

Options

- // Power belt brush (smooth or textured belt)
- // Belt scraper (smooth belt only)
- // Special speed drive kit
- // Double-drive (for long distances)
- // Stationary plow
- // Side gaskets (to prevent spillage)

Accessories



- | | |
|---|---|
| 1 Drive unit and head spout cover | 9 Flow thru hopper. For several loading points |
| 2 Motor guard | 10 Decline section |
| 3 Conveyor head spout. Direct feed down. | 11 Cover for wind and weather protection |
| 4 Spout extension adaptor | 12 Decline section cover |
| 5 Spout extensions | 13 Incline section cover |
| 6 Diverter | 14 Incline section |
| 7 Stationary plow to discharge feed off the belt.
(Use only with smooth belt) | 15 Cover transition. Use to join the hopper cover to
the section cover. |
| 8 Two-way stationary plow, for reversible conveyor | 16 Hopper cover to be used with polyethylene tube |

Specifications

Utility models

The 60-series drive unit is an economical choice for short conveyors, available in 14" or 18" (36 or 46 cm) widths for lengths up to 50' (127 cm) with a 1 or 1.5 HP motor.

Standard models

The 70 & 80-series drive units are available for all widths of conveyors to suit a wide range of farm applications from 1.5 to 3 HP.

Intensive-use models

The D-series gearboxes handle larger loads and longer run-times. D-series gearboxes range from 2 HP to 7.5 HP, for conveyors from 18" to 48" (46 to 122 cm) wide.

Double-Drive models

For extra-long systems, the double-drive models are available for 18", 24" or 36" (46, 61, or 91 cm) conveyors, with motors from Twin-2HP up to Twin-7.5 HP.

Special speed models

Most Valmetal conveyors operate at high belt speeds to move large volumes quickly, however in applications that require less capacity, special-speed models produce lower belt speeds to save energy and wear.

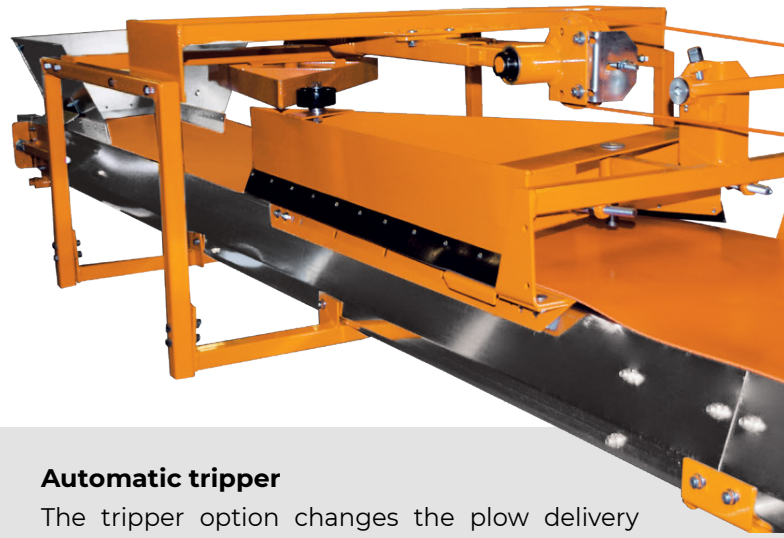
Expert help – there are many factors that affect the power requirement for a conveyor, including material density, material flow rate, incline, accessories, and site conditions. Your Valmetal expert is there to help.

Feeder kits

The Valmetal feeder kits let your 14" (36 cm) or 18" (46 cm) conveyor deliver feed smoothly and quietly into the feed bunk. The travelling plow runs from a simple cable-drive, delivering feed off either side of the belt.

Benefits

- ✓ High capacity for fast feeding.
- ✓ Multiple configurations for zone feeding.
- ✓ Continuous and steady flow.
- ✓ Low maintenance and long lasting.
- ✓ Accurate delivery, with no feed separation.



Automatic tripper

The tripper option changes the plow delivery to the opposite side of the belt. The automatic version will switch sides after each pass of the plow. Manual or electric controls are also available.

Options

- // Tripper kit (Manual, auto, or electric)
- // Multi-Lot control
- // Covers & windboards
- // Stands or leg kits



Models

Regular

Powered by the main motor, this simple and economical choice allows full-length feeding up to 200' (61 m).

Independent drive

Powered by a 3/4 HP (0.5 kW) motor, the independent drive is recommended for long feeders (up to 400' (122 m)) or where multi-lot delivery is needed.

Low profile

The low-profile feeder kit offers the same advantages as the independent drive, but in a compact version for overhead mounting. Powered by a 3/4 HP (0.5 kW) motor, the low profile version requires only 14" (36 cm) of height.

Center charge feeder

VM-250

A center-loaded conveyor that offers proven performance to distribute the ration with maximum reliability.

Features

Non-powered low-speed belt

Belt width 14" (36 cm)

Motor 2 HP

Feeder to 250' (76 m) in length

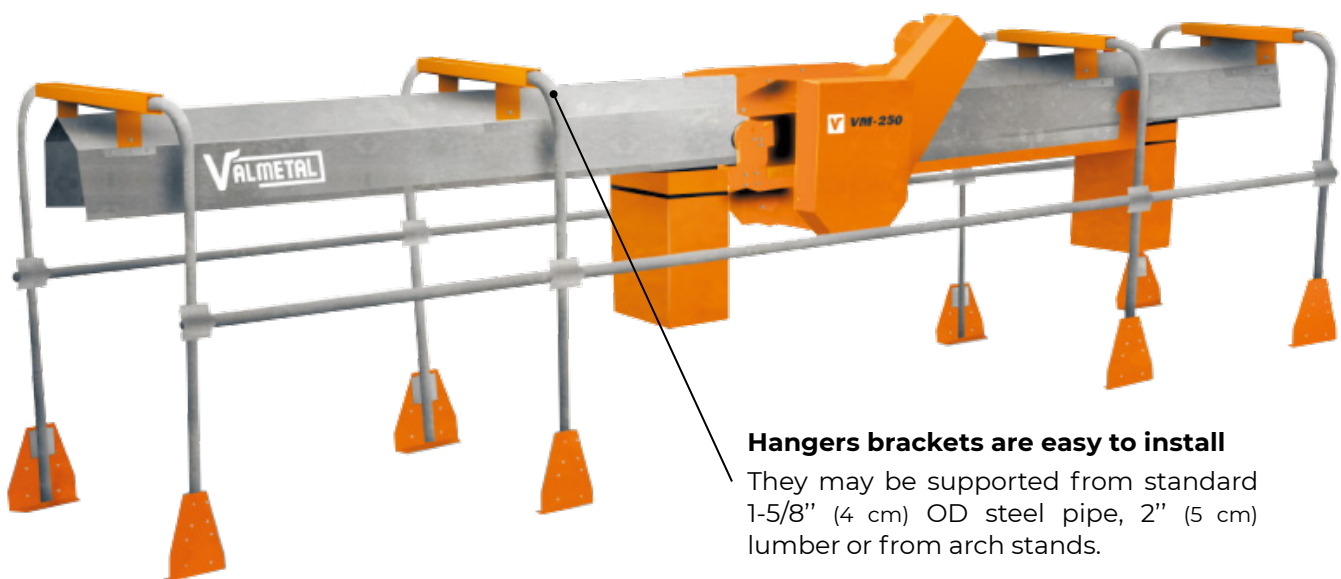
Cast iron 6" (15 cm) Ø trolley wheels

Drive protected by a slip clutch

Benefits

- ✓ The rack-and-pinion drive for the trolley is simple and dependable. The drive sprocket teeth engage the carriage track for positive no-slip power.
- ✓ Efficient distribution with low energy consumption.
- ✓ Quiet operation appreciated by the animals.

The non-powered belt operates at low tension, delivering long belt life with minimum maintenance.

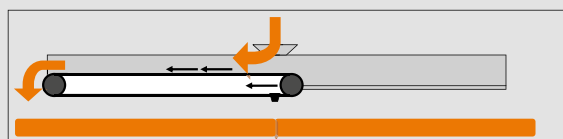
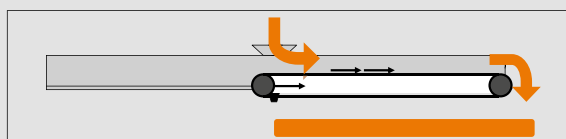
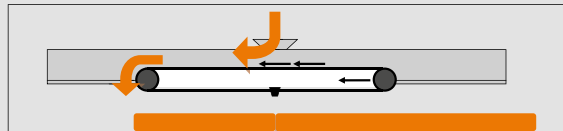
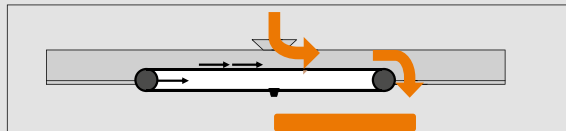
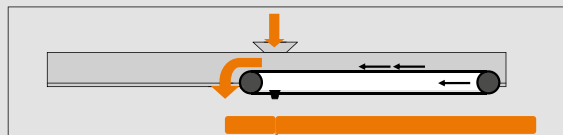
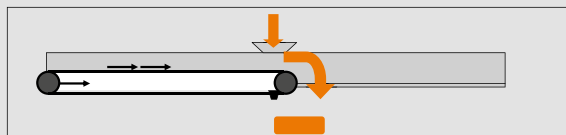


Hangers brackets are easy to install

They may be supported from standard 1-5/8" (4 cm) OD steel pipe, 2" (5 cm) lumber or from arch stands.

How it works...

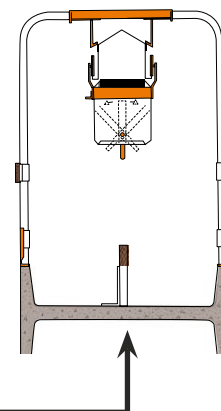
Feed passes through the center inlet in the hood sections onto the trolley and is carried forward by the movement of the trolley pan under the stationary belt.



Accessories

- // Stand assembly
- // Hanger assembly
- // Wind downspouts pack (pack of 2)
- // Left / right feed diverter
- // Hood splice and hanger pack
- // Wind downspouts for outdoor feed bunks (option)

Bunks may be split to feed separate rations on opposite sides using the optional diverter downspout.



Convertible belt elevator

Adjustable belt trays convert from a flat belt (for bales, bags, etc.) to a concave belt (for grains, silages, or other bulk materials). Operating at 220 (67 m) ft/min, the convertible elevator gets the job done quickly.

Features

Adjustable angle belt trays

Models from 30' (9 m) to 60' (18 m)

20" (51 cm) rough-top or textured belt

Rigid sides with truss-beam construction

The optional wheel kit is adjustable

Benefits

- ✓ Convertible belt profiles to handle the widest range of materials.
- ✓ Versatile and reliable high capacity.
- ✓ Direct-drive gearbox for maximum reliability.
- ✓ Rigid frame can span up to 40' (12 m).

Options

- // Spout extension
- // Belt scraper
- // Brush kit
- // Hydraulic drive
- // Steel hopper

Polyester belt and PVC

The belt is highly resistant to stretching and extreme temperatures. Its rough surface allows inclines up to 35°, depending on the products to be transported.

This versatile conveyor gives you maximum flexibility.



Our belt conveyors are also compatible with our manure separation systems.



Special models to stockpile bedding or to deliver bedding directly into the stalls.

Ideal for your outdoor needs

Durability is designed into every model, allowing Valmetal conveyors and feeders to operate in a wide variety of conditions.

Outdoor applications:

- Cold weather belting
- Windboards
- Covers & supports
- Discharge spout & cover
- Covered hoppers



Automate your system

AUTORATION PRO

The simplicity of the **AUTORATION PRO** gives you full control over every step, whether loading, mixing, or distributing the ration.

- Reduced labor
- Precise ration formulation
- Reduced feed shrinkage



Effectively manage your:



EQUIPMENT



ALARMS



REPORTS



INGREDIENTS



RECIPES



SEQUENCES

Your partner of choice

Valmetal offers a vast selection of complementary equipment and accessories to create a complete automated feeding system in your operation.

AUTORATION PRO gives you:

- Precise ration delivery
- Inventory control
- Ration costing
- Record keeping

Technology at your fingertips

Remote access anywhere, using the Valmetal app!





Unparalleled performance and maximum profitability

Feeder-conveyors operated with the Autoration control are the easiest, fastest, most economical, and accurate way to feed your herd. With a very low maintenance demand and long life span, they are your best choice no matter what type of farm you have.

AUTORATION PRO MAESTRO

**Feed more cows in less time!
Up to 60% faster!**

The **Autoration PRO Maestro** is our most advanced technology in automation designed for feeding large farms.

Control up to 3 mixers simultaneously and get the most out of your processes by preparing pre-batches in parallel with TMR.



Tailored solutions

Our team of experts will assist you in selecting the type and size of conveyor to best meet your needs. They can guide you through our vast range of feeding and bedding equipment to deliver the perfect system.

- Feed kitchen design
- Feed delivery systems
- Bedding distribution systems



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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