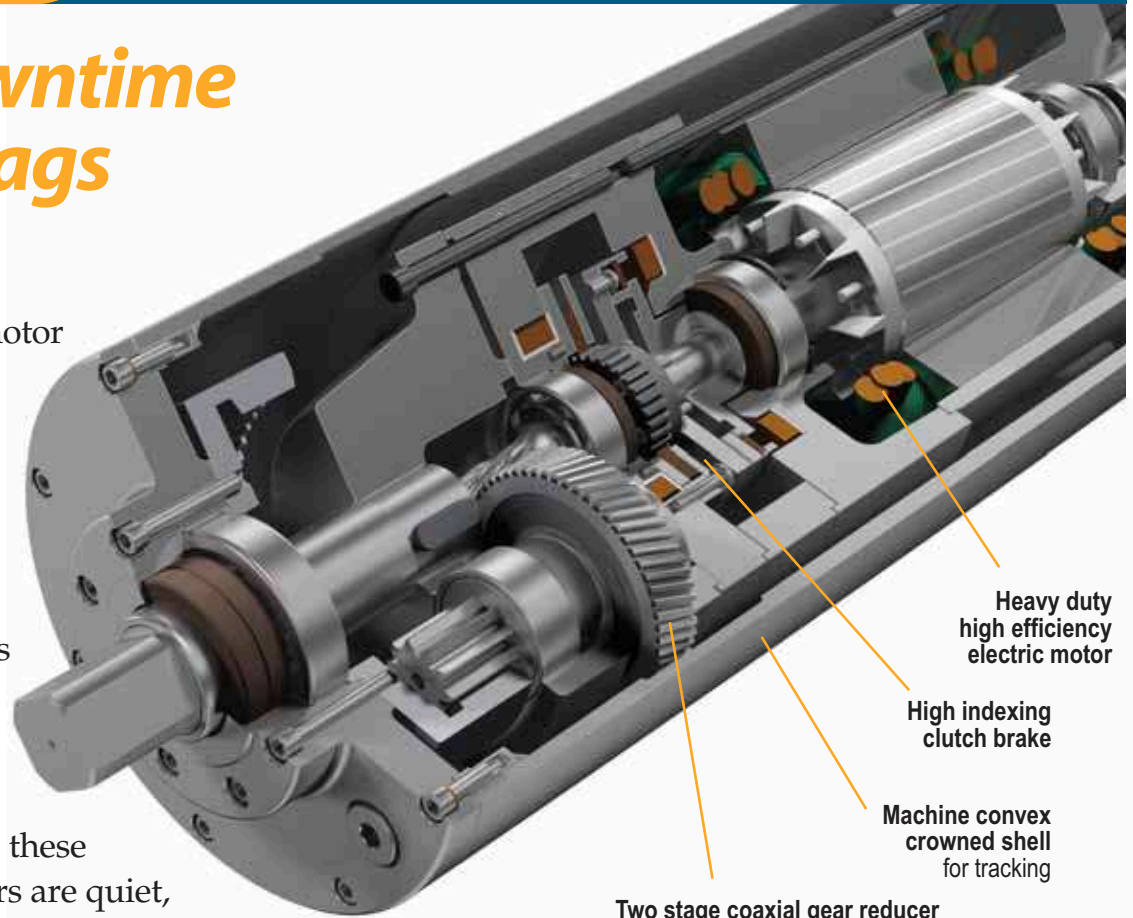


Reduce Downtime and Keep Bags Moving.

The Van der Graaf drum motor is a motorized head pulley that offers a versatile and reliable solution by providing a less complex, and more efficient way to power your belt conveyor. The drum motor eliminates all external components typically seen on conventional belt drives.

Completely self-contained, these rugged design drum motors are quiet, space saving and reliable. The drum motor reduces operating and maintenance costs, improves safety conditions and because it is completely sealed it can operate in most environmental conditions.



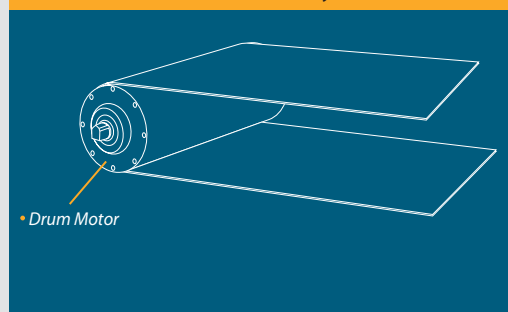
- Heavy duty high efficiency electric motor
- High indexing clutch brake
- Machine convex crowned shell for tracking
- Two stage coaxial gear reducer with honed and ground gears for minimal decibel levels

Compare the Difference

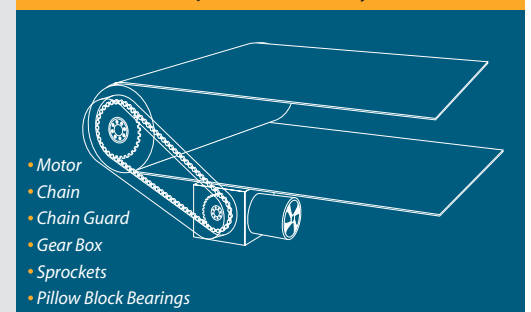
Drum Motors Benefits

- ENHANCE SPACE UTILIZATION
- REDUCE NOISE LEVELS
- LOWER ENERGY COSTS
- REDUCE MAINTENANCE
- REDUCE DOWNTIME
- EASY INSTALLATION
- INCREASE OPERATOR SAFETY

Drum Motor Conveyor Drive



Multi Component Conveyor Drive



THE VAN DER GRAAF DRUM MOTOR

The drum motor is a self-contained motorized head pulley. The motor, gear drive and all moving parts are enclosed within the drum. The motor and gears operate in a sealed oil bath enclosure, ensuring proper lubrication and cooling. With no external motors, gear reducers, sprockets, chains, or OSHA required chain guards, no external component maintenance is required.



INTERNAL BRAKES FOR GENERAL CONVEYING

The internally housed, bi-directional RTM Brake is capable of performing up to 40 start/stops per minute. It ensures rapid stopping when power to the unit is disconnected. This electro-magnetic brake is ideal where automatic braking is required.

CLUTCH BRAKES FOR HIGH INDEXING CONVEYORS

The internally housed Clutch Brake provides maintenance-free operation in high indexing applications. This patented innovation allows the motor to operate continuously in "neutral", eliminating start-up current surge and minimizing heat build-up. The unit is engaged only when conveyance is desired and high levels of indexing -- up to 80 start/stops per minute - are achievable.

LOWER ENERGY COSTS

Our reliable motors operate at 96% efficiency and are available in all standard voltages. The added efficiency of internal drive components can result in energy savings of up to 30% over conventional exposed-drive conveyors.

REDUCE MAINTENANCE AND DOWNTIME

Our motors are virtually maintenance free, requiring only an oil change after 50,000 hours of operation which can be done without removing the drum motor from the conveyor.

REDUCE NOISE LEVELS

Precision AGMA 12 gears are high alloy steel with precision cut and honed teeth reducing noise to minimal decibel levels and exceed OSHA requirements for noise. Excellent for public spaces and good working conditions.

