

AGRICULTURAL EXPERTISE


DEWERT AGRITECH
A Phoenix Mecano Brand

DEWERT AGRITECH. THE RELIABLE FORCE.



- **LINEAR DRIVES FOR EXTREME OPERATING CONDITIONS**
- **POWERFUL AND ROBUST WITH IN A VERY COMPACT DESIGN**
- **CUSTOMER-ORIENTED AND FAST SERVICE WORLDWIDE**

SOLUTIONS FOR AGRICULTURAL ENGINEERING

MOBILE AND STATIONARY APPLICATIONS

Intelligent, robust drive technology for a wide range of applications: Dewert Agritech products provide agricultural machinery manufacturers with outstanding versatility.

Whether it's with mobile or stationary applications, established machines or pioneering agricultural robotics – our focus is always on reliable and efficient solutions. As a systems provider, Dewert Agritech develops tailor-made solutions for comprehensive services.

Harvesters



Agricultural attachments



Stable technology



Storage and selection technology



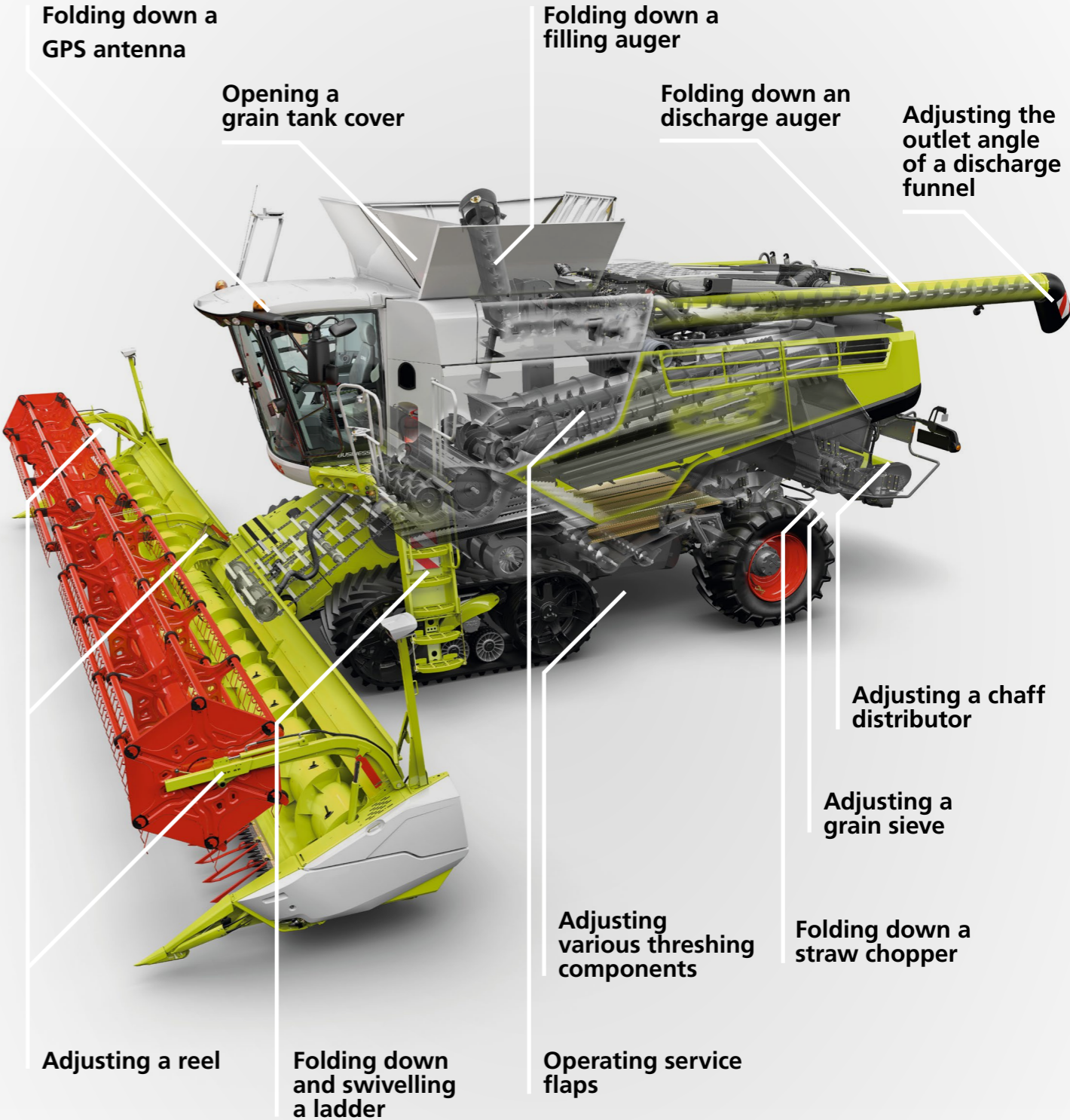
Future farming and technology





SELF-DRIVING HARVESTING MACHINES

POTENTIAL APPLICATIONS



Robust and reliable

During the harvesting season, farmers must rely on their machines to perform in all weather conditions. Reliable drives that withstands extreme conditions play a key role towards increasing productivity. The linear drives from Dewert Agritech are designed for a wide range of harvesting machine applications – from sieve adjustments to folding down GPS antennas.



Precise sowing and fertilization

Optimum seed distribution is the foundation that ensures efficient plant cultivation with high yields. Modern dosing and drilling machines require reliable components. Thanks to their precision technology, Dewert Agritech linear drives ensure highly precise sowing and fertilizing. Whether it's for adjusting the dosage or the scattering angle – thanks to their compact housing, the linear drives are versatile and very powerful.

CROP CULTIVATION AND SEEDING TECHNOLOGY

POTENTIAL APPLICATIONS

Opening and closing of covers

Intelligent start and stop controls

Control panel

Dosage

Housing for electronics

Adjustment of working width

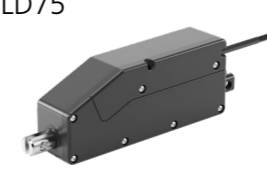
Operating a boundary spreading device

Adjusting the spreading angle

LD1000



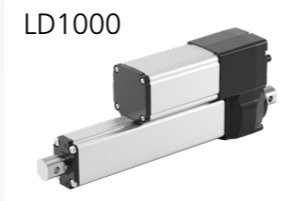
LD75

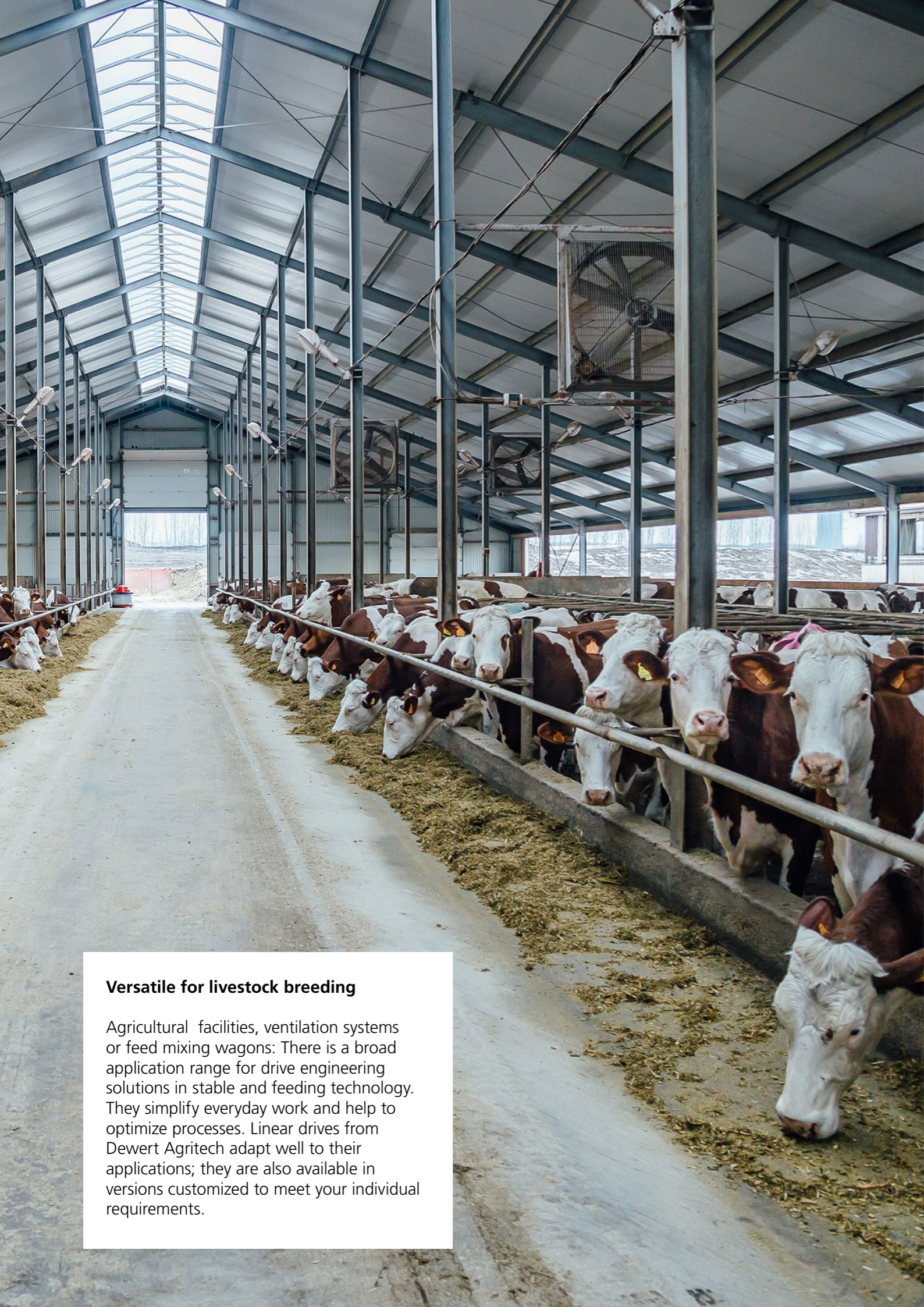


Casing



Display holder





STABLE AND FEEDING TECHNOLOGY

POTENTIAL APPLICATIONS

Controlling the chamber angle

Headlight adjustments

Mirror adjustments

Opening service flaps



Opening and closing function for feeding chutes

Dosage of feed quantity

Versatile for livestock breeding

Agricultural facilities, ventilation systems or feed mixing wagons: There is a broad application range for drive engineering solutions in stable and feeding technology. They simplify everyday work and help to optimize processes. Linear drives from Dewert Agritech adapt well to their applications; they are also available in versions customized to meet your individual requirements.

LD1000



LD600



LD75



Control panel



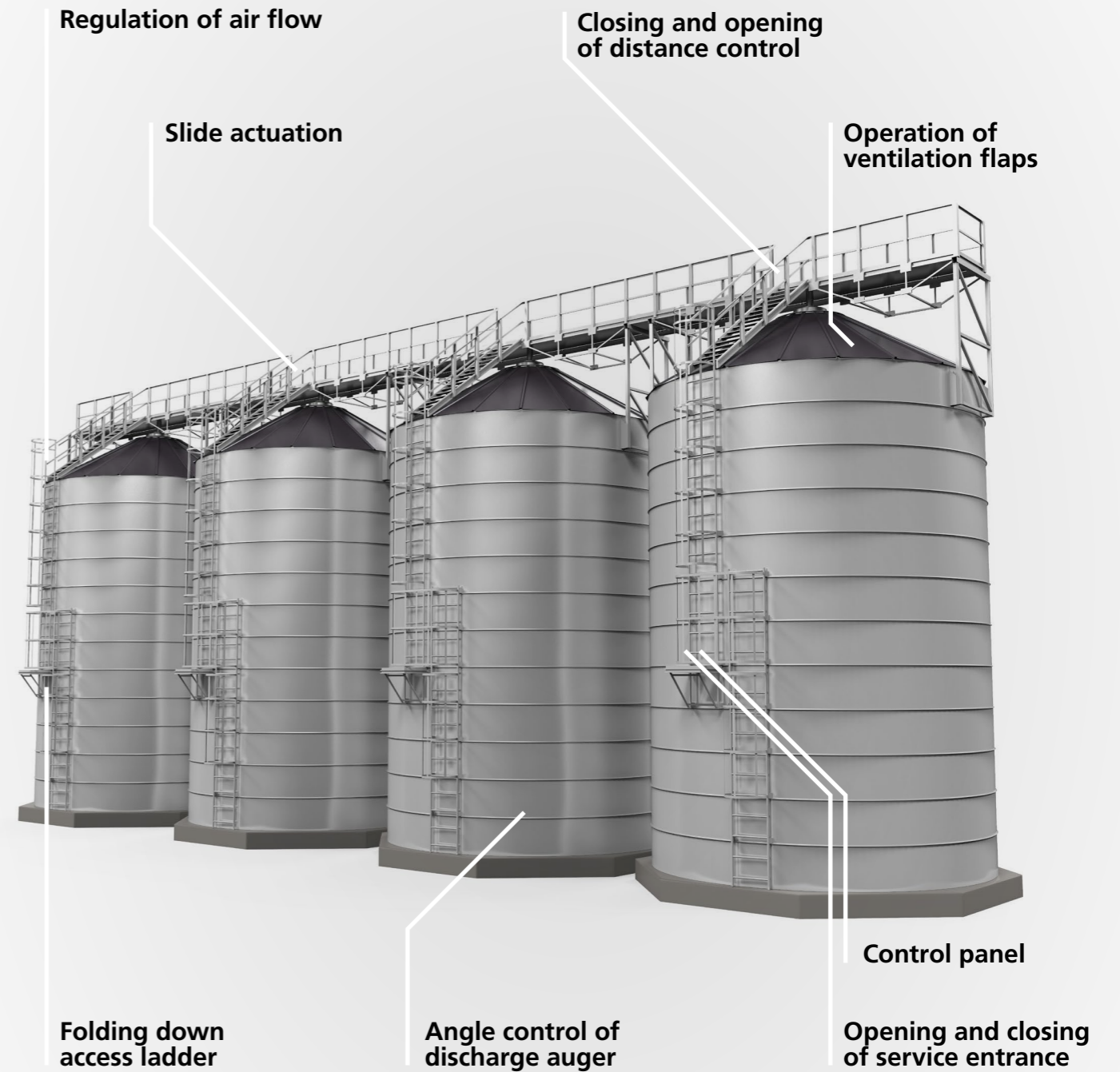


STORAGE AND SELECTION TECHNOLOGY

POTENTIAL APPLICATIONS

Stationary efficient

Precise loss-free handling is essential for storage and selection technologies when working with foodstuffs such as grain. This is necessary to comply with strict regulations. It is also important for ensuring that valuable resources are not wasted. Drive technology from Dewert Agritech meets these strict requirements – thanks to intelligent drive mechanics and compact design. These drives are ideally suited for complex applications.



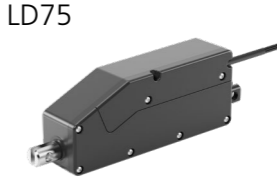
LD1000



LD600



LD75



Control panel



LINEAR DRIVES

POWERFUL AND RELIABLE

LD75

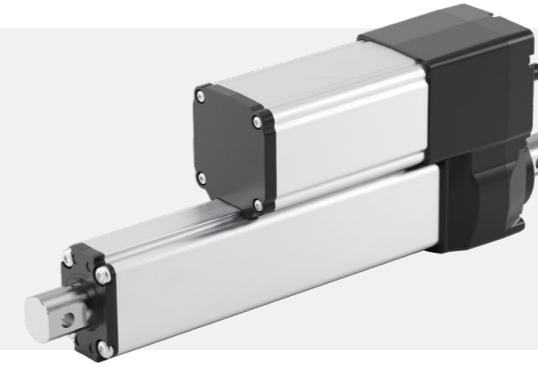


Adjustment load	max. 750 N press & pull forces
Adjustment speed	max. 45 mm/s*
Stroke length	min. 15 mm / max. 130 mm (potentiometer version: min. 110 mm)
Installation length	245 mm
Motor voltage	maintenance-free 12 & 24 V DC motors
Housing	aluminium die-cast
Protection degree	max. IP69K
Special configuration	potentiometer

LINEAR DRIVES

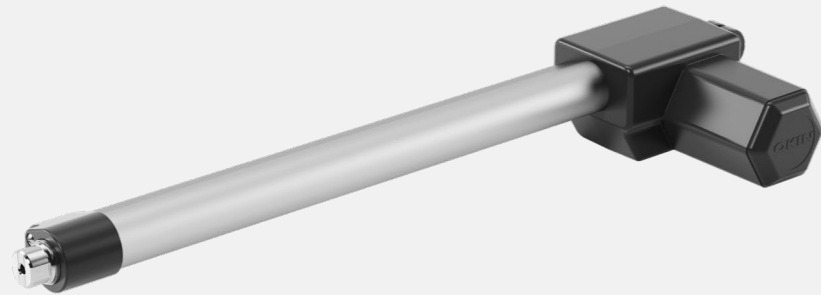
POWERFUL AND RELIABLE

LD1000



Adjustment load	2,000, 5,000 and 10,000 N
Adjustment speed	max. 100 mm/s*
Stroke length	min. 100 mm Max. 1,000 mm
Installation length	max. stroke of 399 mm: 200 mm + stroke / stroke 400 mm or greater: 250 mm + stroke
Motor voltage	maintenance-free 12 & 24 V DC motors
Housing	aluminium die-cast
Protection degree	max. IP69K
Special configuration	digital position feedback**, BUS**

LD600



Adjustment load	max. 6,000 N push force max. 4,000 N pull force
Adjustment speed	max. 44 mm/s*
Stroke length	max. 500 mm
Installation length	min. 180 mm + stroke
Motor voltage	maintenance-free 24 V DC motors
Housing	plastic
Protection degree	IP66
Special configuration	position detection using Hall sensor

* depending on the drive configuration

* depending on the drive configuration

** available starting in 2020

INTELLIGENT DRIVE TECHNOLOGY

FOR AGRICULTURAL AND OFF-HIGHWAY MACHINES

For use in extreme conditions: Agricultural and off-highway machines are often running in the most challenging conditions. Harvesting machines (such as combine harvesters, round balers or transport vehicles) are exposed to strong vibrations, dust and heat. Salt spreaders, on the other hand, must perform their tasks at sub-zero temperatures with freezing cold and high humidity.

These machines are dependent on reliable drive technology. These drives must constantly meet such extreme demands and be able to perform at full power even under the most difficult environmental conditions.

Dewert Agritech's linear drives for agricultural and off-highway applications meet these demanding requirements. They feature high push and pulling forces in a compact yet robust housing. Thus, they are ideal for installing into demanding systems that only provide limited space.

The intelligent drive technology permits precise positioning – thus opening up a wide range of possibilities for agricultural and municipal machinery.

Linear drives with outstanding environmental resistance

One of the key features of Dewert Agritech's linear drives is their excellent durability. The drives not only provide outstanding operational safety in intense heat and freezing cold, they can also withstand the UV radiation of the sun for several years without any problems. These linear drives also have a high degree of protection (up to IP69K). This protects them against dust and water, even where there is strong pressure against the housing. The maintenance-free DC motors within support the superior reliability of the drive systems.

SERVICE & SALES



Development & production sites



Hungary



Switzerland



Germany



USA

MAXIMUM VERSATILITY

AND MANY APPLICATION POSSIBILITIES

Linear drives from Dewert Agritech are suitable for a variety of mobile and stationary applications, including:

- Agricultural technology (in machinery and equipment)
- Agricultural buildings (for storage and selection)
- Agricultural automation and robotics
- Special crop technology (fruit, fruit and vegetable crops)
- Agricultural refinement (mills & mixed farms)
- Animal husbandry (stable and feeding technology)
- Lawn and golf course maintenance (mowing and maintenance technology)
- Municipal technology (cleaning)
- Forest technology (machinery and equipment)





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