

**Ihr Spezialist für Futter-Aufbereitungs-Systeme**  
**Ваш специалист по системам приготовления кормов**

**Your specialist for feed - processing systems**



**Grinding & mixing systems**





## The reason for cereales

The cereals are rich in very important nutrients, they have a pleasant taste and are easily digestible for the animals. Another advantage that is nowadays important: you make your own mixture and so, you know exactly what you are feeding your animals and you are sure about the quality of your products. Especially since the grain is subject to only minor ingredient or quality fluctuations. But of course for the sensitive stomach of the animals, it is necessary to correctly prepare and to measure out the cereal mixtures taking into account the respective nutritional physiology of each animal.





®

## The reason for HIMEL

Himel delivers a full range of technical equipments to help you get the most out of your operation, of the simple mixer to the automated feed mill. Himel is your ideal partner for decades thanks to the following services:

High efficiency, convincing profitability, high safety of use, extremely robust construction and possibility of extension with useful accessories.





## Grinding & mixing systems



Research has demonstrated:

Concentrated feed with high cereal yields better performance and lower-risk fattening at lower feeding costs. A complete range from a single source, from simple food mixer to complete food processing facility. So you can clearly noticeably increase milk and meat performance of your yard.

### Compact Mixer



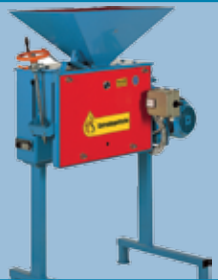
Recommended for small and medium livestock. Smallest mixtures can be weighed and prepared over the mixing hopper.

### Blower Mills



Carry milled grain meal in gentle stream of air up to 100m wide. Re grind is sucked in from a long distance via motor-operated suction valves.

### Grain Crushers



Transform hard grain in easily digestible products with large surface area which is used effectively in the rumen. So you can increase considerably milk and meat performance of your yard.

### Weighing Computer



Once programmed, these computers are capable of automatically mixing up to 40 mixtures from 30 components. The software is translated into several languages.

### Malt grist mill



Laying hens and pigs prefer crushed cereals. These grist mills provide regular crushing with motors capacities of 5.5 to 50 KW.

### Horizontal Mixer



Are ideal for mixtures that are particularly thin. The compact design with sturdy legs and a robust construction speaks for itself.



## Grain systems

All components of the product range HIMEL are coordinated so that they can be compiled into an efficient system for the highest requirements. But every single HIMEL device, whether grain blowers, screw conveyor, a pre-cleaner, a round silo or a rectangular silo, increases the efficiency of your operation. Let our specialists advise you on inexpensive ways to promote cereals, grist, feed and pellets.

### Grain Blowers



Are with their extremely high performance especially for the gentle, pneumatic transport of large masses of cereals and legumes designed.

### Bucket Elevators



Are installed vertically up to a height of 30m as main elevators. With a low power requirement, they can reach up to 20-120 to / h.

### Screw Conveyors



They carry on all slopes, grains, flour, food, pellets and mineral fertilizers. On request we can supply screw conveyors in stainless steel.

### Chain elevators



They are used where it is tight and yet 20 to 40 m are needed in vertical extraction. Feed conveyors bring easily the grain to the elevator.

### Auger grain



are fitted as standard with an outlet at the drive station and interim storage. Slopes of 15o are not a problem. Performance of 20-130 to/h.

### Grain Cannons



Are equipped with a large hopper and quantity regulation. They can be used mobile by a chassis. The strong drive stations are fitted as standard.



### Overcharging Screw

3.5 m long stainless steel, with hydraulic motor is provided for mounting on a trailer. Easy assembly with holding device and height adjustment via winch.



### Pre-cleaner

With the HIMEL pre-cleaner, you get a complete cleaning of grain, maize, rapeseed or similar seeds. Using the pre-cleaner with its powerful 3KW high pressure vacuum cleaner, you effectively get rid of all impurities (strands, dust and other light foreign objects).



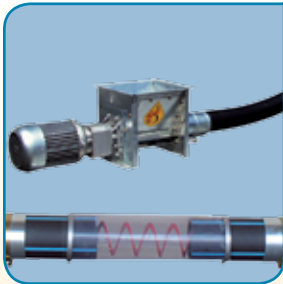
### Chain conveyors

They transport grain, flour, animal feed and pellets in all directions. They are characterized by high performance of 20-120 to / h.



### Measurement Devices

With measurement devices you will get fast and reliable information about the temperature and humidity of your grain.



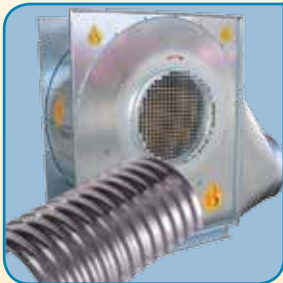
### Spiral conveyor

Are flexibel and can be placed around corners. They are equipped with strong drive stations. They guarantee a fast and safe transport of your feed from the storage silo to the animal.



### Electronic control unit

By pressing a button you can control up to four components for screw conveyors from the tractor seat. The on and off impulse is additionally limited by an integrated run-time monitoring.



### Fans and ventilation channels

They help maintain the freshness and durability of grain storage. Ventilation systems are designed for each size and shape of silos. The ventilation channels are galvanized and resilient with high dumping heights.



### Control cabinet construction

By using an appropriate control cabinet, you can optimize the working processes of your machine. Here you will find the matching electrical controls you need for your requirements.

## Storage and ventilation systems



Proper storage of grain should not be left to random! HIMEL storage systems do not give any chance to weather and pests, whether molds, insects or mice. They use the space optimally and get through their design, the quality of the grain or flour varieties over large periods of time. In order to be able to work even faster and more efficiently, Himel completes these systems with powerful screw conveyors, grain blowers, cleaners, redlers and elevators with capacities of up to 200 t / h.

### Outdoor Silos



They combine the highest quality and the best functionality. They are available in all standard sizes, of 5-5000 tons. The highest quality of steel gives our silos the necessary stability and a long service life.

### Rectangular Silos



They use the storage space almost completely and represent the solution for all space problems. By comparing them with round silos for example, they offer up to 35% more storage capacity and adapt easily to uneven floors and different heights of the room.

### Round silos



Are suitable for indoor installations. They consist of galvanized corrugated sheet, this type of silo represents the cheapest one for gentle storage of cereales and legumes.

### Module Silos



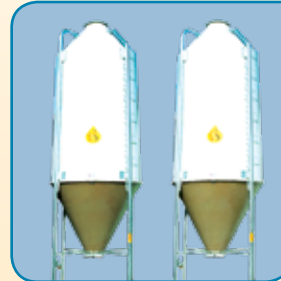
For the storage of grain or other floury products with 45o or 60o unloading hoppers. Can be used as a small component silo or as a great storage silo with a capacity of 0,3m<sup>3</sup> to 67m<sup>3</sup>.

### Silos Trevira



are ideal for storing concentrate feed of all kinds. The breathable fabric guarantees a perfect sun protection and air circulation, to keep the food fresh and valuable. These silos have a capacity of 2 to 26 m<sup>3</sup>.

### GFK Silos



They are used for the preservation of compound feed and are mounted outside. They are totally welded at the hopper transition and on the cover and are therefore totally waterproof. Many accessories round up the offer.



[www.himel.de](http://www.himel.de)



It is not just the years we are proud of...



GRINDING & MIXING SYSTEMS • GRAIN SYSTEMS • STORAGE SYSTEMS • STRAW SYSTEMS • FODDER MIXING VEHICLES • STABLE TECHNOLOGY



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