AG Energy Group

Feed mixer

DM series

from 2 to 18 m³

Feed mixer DM

DM is the optimal solution when feeding mixed rations. Mobile feed mixers can be used to prepare complete feed mixes that promote rationed feeding, increase intake levels, and reduce feed wastage. The main functional element of this feed mixer is the control unit. The animal technician is able to programme up to 20 recipes for different technological groups of animals, operating with fifteen components. This is done by entering the number of animals and the ration per head into the control unit's memory. The control unit calculates the total amount of each ingredient and sounds a signal when the desired weight is reached. At the same time, the display continuously shows the amount of feed to be loaded.

DM 2

DM 5.5

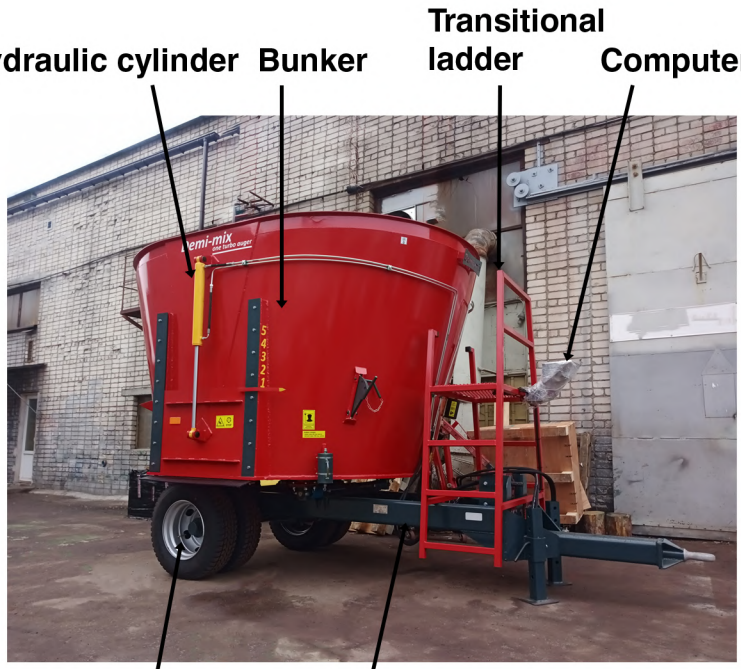
DM 6

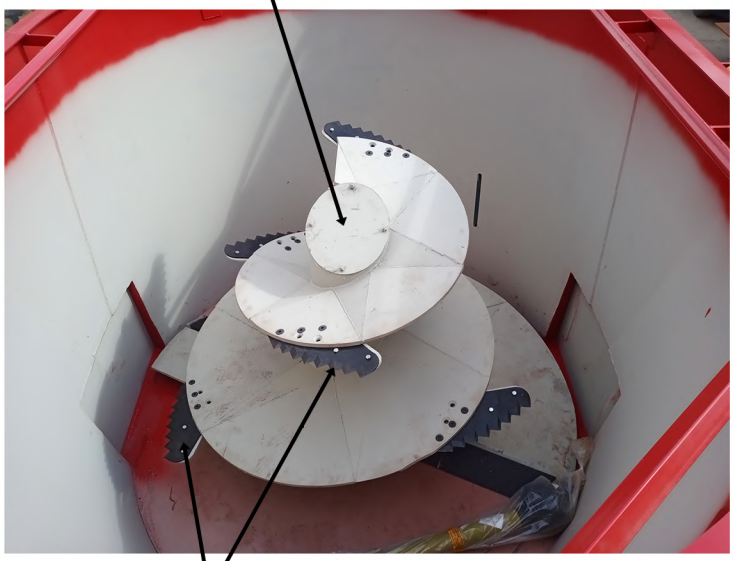
DM 10

DM 14

DM 16

Design of the feed mixer





DESCRIPTION OF DEVICE PARTS

- **Auger:**

The vertical knife auger is designed for chopping and mixing animal feed components. The shape of the auger and knives allows fast and high-quality chopping and mixing of the feed mixture without damaging it.

- **Hopper:**

The hopper is attached to the frame via a strain gauge. It is used to prepare the feed mix. The hopper has one or two discharge gates on each side.

- **Computer:**

The computer is connected to load cells attached to the frame. Power comes from the tractor battery. The computer allows for proper weighing, preparation and distribution of the feed mix.

- **Frame:**

The frame is made of thick-walled sectional tube. The chassis and hopper are bolted to the frame.

- **Chassis:**

The feed mixer has one axle which is rigidly bolted to the frame. The axle is equipped with a pair of wheels. Depending on equipment, the chassis can be equipped with brakes.

- **Gearbox:**

The planetary gearbox transmits the torque to the auger. It is driven by PTO shafts. A stepped gearbox is fitted as standard or can be fitted as an option.

Additional options

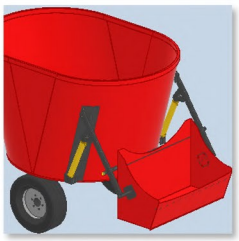
1. Additional flap.
Option of placing it at the rear or on the left side (2 pieces can be ordered). Allows the feed to be unloaded from the desired side.

2. Magnet catcher.
Option: on the auger's auxiliary paddle. Captures all metal elements from the feed mixture.

3. Ladder with platform.
Optionally available: at the front. Allows manual loading of the feed and viewing of the mixing process.

4. PTM weighing system (Italy).
Allows programming of 15 rations, preparation and distribution of feed in the correct proportion. When used correctly, it significantly improves milk reliability and livestock growth.

5. Hydraulic bucket.
Variant placement: at the back of the drum. Allows you to load the mixer independently (without the use of a loader) with different components.



AVAILABLE MODIFICATIONS

	DM 2 (stationary)	DM 4	DM 5,5	DM 6	DM 8	DM 9	DM 10	DM 14	DM 16
Hopper volume	2	4	5,5	6	8	9	10	14	16
Length, mm	1600	3400	3600	3665	4200/ 4800	4200/ 4800	4200/ 4800	6780	6780
Width, mm	1250	1775	2200	1960	2300	2300	2600	2300	2300
Height, mm	1870	2004	2320	2545	2500	2650	2650	2550	2700
Track Width, mm	–	1465	1795	1650	1920	1920	1920	1920	1920
Permissible Coupling Load, kg	–	800	1000	800	1000	1000	1000	1500	1500
Total weight, kg	–	2500	4100	3500	5600	5900	6200	10300	11300
Weight, kg	700	1350	2400	1600	3000	3100	3300	5800	6000
PTO shaft speed	–	540	540	540	540	540	540	540	540
Number of load cells, pcs.	– / 3	– / 3	3	– / 3	3	3	3	4	4
Number of augers, pcs.	1	1	1	1	1	1	1	2	2
Number of blades, pcs.	5	6	6	6	6	6	6	12	12
2-stage gearbox	–	–	–	–	– / +	–/ +	+	+	+