



# FIMAKS MIXER FEEDERS

YOUR GLOBAL PARTNER

Eco  
Horizontal  
Vertical  
Stationary  
Self-Propelled







### WEIGHING SYSTEMS AND SPECIAL SOFTWARES

Optional Fimaks weighing systems are very important in terms of productivity of your operator. With the software in the weighing systems, mixtures can be prepared exactly at the desired ratio. For different components to be included in the ration, weight can be determined separately. While putting the ration content into the mixer feeder, operators can see on the scale which content is next and how much of that content should be loaded. When the required quantity is approached, the alarm system on the scale will warn the operator and prevent the wrong loading and over-mixes. Weighing systems with softwares can be supplied with all mixer feeders over 1.5m<sup>3</sup>, weighing systems with a special software such as Winscale, DG8000 & DTMIC can be supplied with all mixer feeders over 8m<sup>3</sup>.

### DURABLE BODY AND HARDOX

Fimaks mixer feeders use special alloy for strong steel bodies. At the base, thicker metal plates are used against the possibility of acidification, corrosion and rust. While ST 37 is used as standard, Fimaks uses ST 52 for all the models. This makes the machines 40% more durable and longer lasting. In addition, the Hardox metal body which is one of the most robust alloys in the world, is optional in Fimaks stationary mixer feeders. Also, painted and owned machines in Fimaks advanced paintshop is brought to the customer in a state of long lasting durability.



### FRONT CONVEYOR BAND SYSTEMS CROSS DOOR DISCHARGE SYSTEMS ADDITIONAL CONVEYORS CHAIN CONVEYORS

In mixer feeders up to 8m<sup>3</sup>, there is only a cross side unloading system, while in 8m<sup>3</sup> and over mixer feeders, optionally, there is a front conveyor belt with frontal unloading system. The front conveyor belt turns clockwise and counterclockwise, allowing the user to leave the mix to the desired side. Lateral conveyor options can be added in addition to all mixer feeders, except for Eco series and 1.8m<sup>3</sup> mixer feeders. Lateral and front conveyors can be supplied with belt as standard, optionally with metal plates and chain extensions.



In addition, magnet can be optionally attached to the end of the discharge systems to increase health of the animals by cleaning the metal particles and the wires from the ration.

### TYRES, AXLES AND SHAFTS

The dimensions and the properties of the tyres are determined according to the weight, size, axle spacing and working areas of mixer feeders. Choosing tyres according to these specifications important for balancing the pressure on the chassis. Also right tyres lowers the fuel consumption of the tractor which the mixer feeder is connected to. These are some of the advantages to the user of choosing tyres under certain criterias. Fimaks mixer feeders up to 20m<sup>3</sup> have a single axle and 2 tyres. 20m<sup>3</sup> and over mixer feeders have 2 axles and 4 tyres.



**High profitability starts with homogeneous ratios**  
Efficient ratios with Fimaks mixer feeders



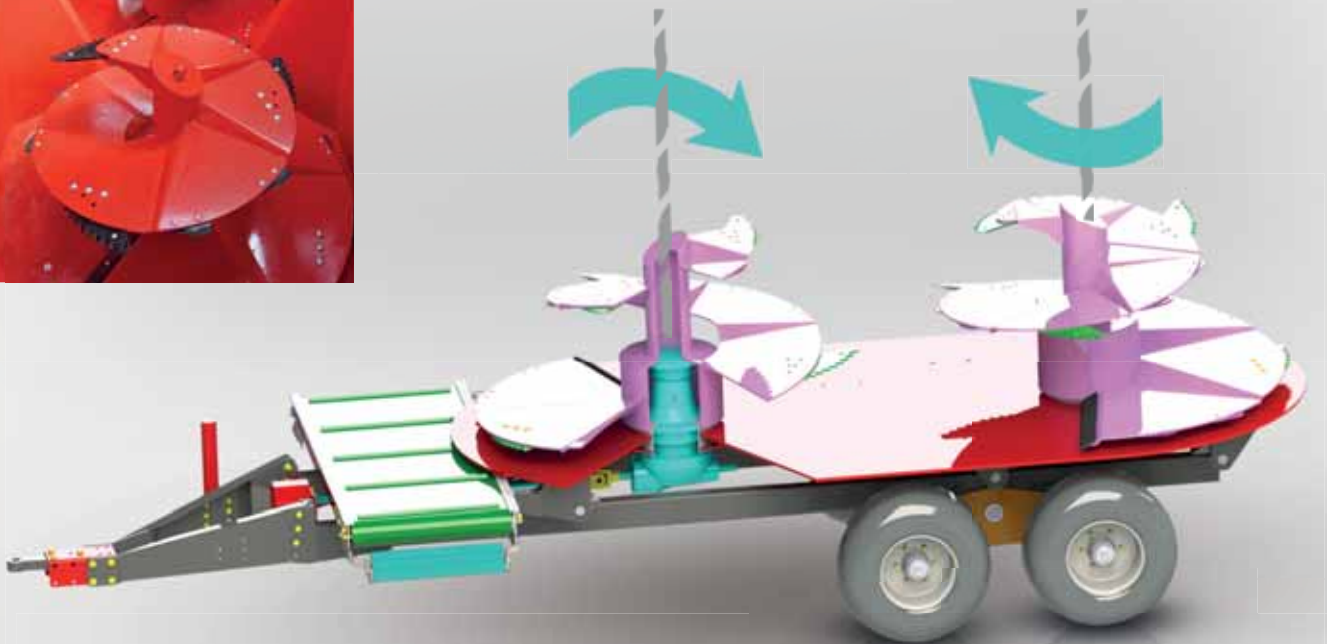
### SPECIALLY DESIGNED AUGERS

Fimaks vertical mixer feeders use specially designed augers. The pressure angle, the number of pressures and the pressure centers have been adjusted to the maximum homogeneity as a result of long and hard work. Different knife mounting holes on the auger provide the user with the option of knife position. In order to get shorter or longer chopping length, the position on the auger can be adjusted with interchangeable knives. With 10/9 quality bolts and knife supports, the knives are more stable. Scraping pallet and knives are located with ideal angles for maximum homogeneity and minimum overflow.



### FEATURES OF THE KNIVES

Fimaks mixer feeders have fixed knives addition to large and small knives on the auger. With fixed knives on the mixer feeder, the length of the particles in ration can be adjusted. Animal stomach sicknesses can be prevented with the ideal particle length. There are also scrapers on the augers that allow the contents on the bottom to mix again. The lack of content under the augers makes the rations healthier. Thus, the health of your animals is preserved with the scrapers. Also with the scrapers, the mixture gets prepared more quickly and more homogeneously.



### ITALIAN GEARBOXES

Fimaks vertical mixer feeders use high torque Italian planetary gearboxes. With these gearboxes, mixer feeders can work with less power and at the same time they have a longer life.

### SUPPORT JACKS

Fimaks vertical mixer feeders have hand pump or a hydraulic jack according to user's request. If the machine is not connected to the tractor, the front of the machine can be supported by these jacks.



### LOADCELLS

Ration content is one of the most important factors for preparing the feed. The weighing system is required for accurate adjustment of the ration. The indication of correct weight in the weighing system is achieved by correct placement of loadcells. By selecting the load cell correctly according to machine capacity, long life and good weighing performance are ensured under all conditions. Expert team in Fimaks, performs this operation in the best way and makes all the adjustments necessary for the users to prepare the right ration.

Fimaks follows active product development policy. For this reason, Fimaks reserves the right to change the models, options, specifications and all other information mentioned in the catalog without prior notice. The photographs, illustrations and images used in this catalog may include features and options not included in the standard equipment.





1.5 CUBIC METER



2.5 CUBIC METER



1.5 CUBIC METER (ELECTRIC)



5.5 CUBIC METER



#### ECO SERIES MIXER FEEDERS

Eco series mixer feeders are designed for small and medium enterprises. The simple and light structure of the machine ensures that it is a great choice for dairy and cattle farms.

The vertically operating auger system ensures that the round and square bales are unpacked, cut and mixed homogeneously with other rough and concentrated feeds with special alloyed and specially designed knives on it. Thanks to the special design of the auger and the body, there are no dead spots in the machine and therefore there is no post-emptying feed in the bucket. This particular design combined with the long-life gearbox system requires much less power than the horizontal mixer feeders.

2.5m<sup>3</sup> and 5.5m<sup>3</sup> eco mixer feeders can optionally be provided with a loading bucket, programmable weighing system and hydraulic pump systems.

With the hydraulic controlled loading bucket you can easily fill the ingredients into the machine. With the weighing system, you can prepare mixed rations exactly the way you want.



**Lower power requirement, high performance!**  
Homogeneous ratios with lower power requirement.



CHARACTERISTICS	UNIT	FMV 1.5S	FMV 1.5SE	FMV 2.5S	FMV 5.5S
VOLUME	(m³)	1.5	1.5	2.5	5.5
ELECTRIC MOTOR		-	380V/7.5kW	-	-
DISCHARGE SYSTEM		Cross Door	Cross Door	Cross Door	Cross Door
NUMBER OF AUGERS	(pcs)	1	1	1	1
HEIGHT	(mm)	1650	1650	1795	2300
LENGTH	(mm)	1900	1900	4000	3800
WIDTH	(mm)	1250	1250	1680	2100
WEIGHT	(kg)	500	500	1200	1960
POWER REQUIREMENT	(hp/kW)	10/7.5	10/7.5	25/18	40/28
NUMBER OF KNIVES	(pcs)	5/2	5/2	4/2	5/2
BOTTOM / BODY / AUGER THICKNESS	(mm)	10/4/10	10/4/10	10/4/10	14/4/12
TYRES		4x(2.00/50-100)	4x(2.00/50-100)	2x(165/80 R13)	2x(10/80-12)





### HORIZONTAL TYPE MIXER FEEDERS

Mixer feeders with horizontal augers are ideal for small and medium sized enterprises. The low height of the machine makes it easy to use in many enterprises.

With the horizontal mixer feeders, homogeneous mixture is obtained in a short time by mixing the contents of the machine with single auger at the bottom and two small augers at the top. With the high quality and long lasting special gearbox, the power requirement is kept to a minimum, the wall and floor thicknesses, the characteristics of the material used at the body, are all criterias necessary for the machine to be long lasting.

With the **optional** electronic weighing system, feeds to the machine can be weighed with high precision and rations can be prepared correctly.

With the **optional** hydraulic loading bucket, the entire content can be easily placed in machine hydraulically.

With the **optional** magnet, wires and metallic particles can be separated and the animal health can be increased.



4 CUBIC METER



6 CUBIC METER



9 CUBIC METER



12 CUBIC METER



## Circulation with side augers!

2 Side augers with different designs and different sizes.



9 and 12 cubic meter horizontal mixer feeders internal mechanism look.

1 main, 1 full-size and 1 half-size side augers.



4 and 6 cubic meter horizontal mixer feeders internal mechanism look.

1 main, 2 half-size side augers.



Half-size side augers closer look.

Main auger closer look.

CHARACTERISTICS	UNIT	FMHI 4	FMHI 6	FMHI 9	FMHI 12
VOLUME	(m <sup>3</sup> )	4	6	9	12
NUMBER OF AUGERS	(pcs)	1 (+2 Half)*	1 (+2 Half)*	1(+2)**	1(+2)**
HEIGHT	(mm)	2000	2150	2600	2750
LENGTH	(mm)	4300	4800	6000	6700
WIDTH	(mm)	1700	1850	2100	2200
WEIGHT	(kg)	1680	2200	3950	4600
POWER REQUIREMENT	(hp/kW)	40/28	40/28	54/40	61/46
NUMBER OF KNIVES	(pcs)	42+14	45+16	53+14	48+16
BOTTOM/BODY THICKNESS	(mm)	6/4	6/4	10/8	6/6
TYRES		2x(10.0/75 R15.5)	2x(10.0/75 R15.5)	2x(315/70 R22,5)	2x(315x80 R22.5)

\* 4 m<sup>3</sup> and 6 m<sup>3</sup> horizontal models have 2 half-size side augers.

\*\* 9 m<sup>3</sup> and 12 m<sup>3</sup> horizontal models have 1 half-size, 1 full-size side augers.





## SINGLE AUGER MODELS

Fimaks produces mixer feeders in ideal size and ideal features for small, medium and large enterprises. The simple and light structure of the machines ensures that it is a great choice for dairy and cattle farms.

The vertically operating auger system ensures that the round and square bales are unpacked, cut and mixed homogeneously with other rough and concentrated feeds with the special alloyed and specially designed knives on it.

Thanks to the special design of the auger and the body, there are no dead spots in the machine and therefore there is no post-emptying feed in the body. With this special design and the long-life gearbox system, these models require much less power than the horizontal models.

With the **optional** electronic weighing system, ingredients can be weighed with high precision and rations can be prepared correctly.

With the **optional** loading buckets, heavy and difficult-to-load contents can be easily loaded into the machine.

With the **optional** side conveyor extension option, the ration in the machine can be easily discharged to high or to far mangers.

The **optional** hydraulic pump system can relieve the load on the tractor.

With the **optional** magnet, the wire and metal particles can be separated and the animal health can be increased.

With the **optional** 1m<sup>3</sup> extension, enterprises that have increased number of animals can increase the volume of the existing Fimaks mixer feeders, instead of buying new ones.

1.8 M<sup>3</sup> CROSS DOOR8 M<sup>3</sup> CROSS DOOR3 M<sup>3</sup> CROSS DOOR12 M<sup>3</sup> CROSS DOOR5 M<sup>3</sup> CROSS DOOR12 M<sup>3</sup> FRONT DISCHARGE8 M<sup>3</sup> FRONT DISCHARGE15 M<sup>3</sup> FRONT DISCHARGE

## Optimum homogeneity with new-gen augers!

Highly efficient ratios with specially designed, new generation vertical augers.





CHARACTERISTICS	FMV 1.8S	FMV 3S	FMV 5S	FMV 8S	FMV 8F	FMV 12S	FMV 12F	FMV 15F
VOLUME (m <sup>3</sup> )	1.8	3	5	8	8	12	12	15
DISCHARGE SYSTEM	CROSS DOOR	CROSS DOOR	CROSS DOOR	CROSS DOOR	FRONT CONVEYOR	CROSS DOOR	FRONT CONVEYOR	FRONT CONVEYOR
NUMBER OF AUGERS (pcs)	1	1	1	1	1	1	1	1
HEIGHT (mm)	1500	2100	2400	2700	2900	2870	2950	3500
LENGTH (mm)	1800	3850	3950	4150	5700	4750	5350	5470
WIDTH (mm)	1650	1650	2300	2500	2700	2400	2300	2300
WEIGHT (kg)	840	1700	2150	3400	3400	4000	4050	4250
POWER REQUIREMENT (kW/HP)	18/25	21/30	28/40	48/65	48/65	59/80	59/80	66/90
NUMBER OF KNIVES (big/small/fixed)	4/2	4/2	5/2	5/2	5/2	6/12/2	6/12/2	6/12/2
BOTTOM / BODY / AUGER THICKNESS (mm)	12/4/12	12/4/12	14/5/12	20/6/12	20/6/12	20/6/12	20/6/12	20/6/12
TYRES	MOUNTED	2x (10/80-12)	2x (10/75-15,3)	2x (12.5/80-15,3)	2x (12.5/80-15,3)	2x (4.00x60 R15.5)	2x (4.00x60 R15.5)	2x (4.00x60 R15.5)



## 2-3 AUGERS MODELS

2 and 3 auger models are ideal mixer feeder solutions for medium and big enterprises.

The vertically operating auger system ensures that the round and square bales are unpacked, cut and mixed homogeneously with other rough and concentrated feeds with the special alloyed and specially designed knives on it.

Thanks to the special design of the auger and the body, there are no blind spots in the machine's body and therefore there is no post-emptying feed in the bucket. With this special design and the long-life gearbox system these machines require much less power than the horizontal mixer feeders.

With the **optional** electronic weighing system, ingredients can be weighed with high precision and rations can be prepared correctly.

With **optional** Winscale's special software weighing systems, more professional mixtures can be prepared and tracked.

Heavy and difficult to load contents can be easily loaded on the machine thanks to the **optional** loading bucket. The loading bucket option is not available for 24m<sup>3</sup> and 36m<sup>3</sup> mixer feeders.

With the **optional** side conveyor extension option, the ration in the machine can be easily discharged to high or remote feeders.

The load on the tractor can be lightened thanks to the **optional** hydraulic pump system.

With the **optional** magnet, wired and metallic particles can be separated and the animal health can be increased.

With the **optional** front gearbox, required power can be reduced by 20%.

The **optional** wide angle shaft allows sharper turns while driving.

With **optional** electric motor and pump system, rations can be prepared without tractor requirement.

16 M<sup>3</sup> CROSS DOOR

16 M<sup>3</sup> FRONT DISCHARGE

20 M<sup>3</sup> FRONT DISCHARGE

24 M<sup>3</sup> FRONT DISCHARGE

36 M<sup>3</sup> FRONT DISCHARGE



**2-3 Auger systems for higher volume!**  
Bigger mixer feeders for bigger enterprises.





CHARACTERISTICS	UNIT	FMV 16S	FMV 16F	FMV 20F	FMV 24F	FMV 36F
VOLUME	(m <sup>3</sup> )	16	16	20	24	36
DISCHARGE SYSTEM		CROSS DOOR	FRONT CONVEYOR	FRONT CONVEYOR	FRONT CONVEYOR	FRONT CONVEYOR
NUMBER OF AUGERS	(PCS)	2	2	2	2	3
HEIGHT	(mm)	2850	2850	3100	3150	3630
LENGTH	(mm)	6750	6800	7680	7680	9700
WIDTH	(mm)	2300	2300	2300	2300	2400
WEIGHT	(kg)	5900	6000	7050	7250	13000
POWER REQUIREMENT	(kW/HP)	75/100	75/100	89/120	95/130	129/170
NUMBER OF KNIVES (big/small/fixed)	(PCS)	12/24/2	12/24/2	12/24/2	12/24/2	24/36/2
BOTTOM/ BODY/ AUGER THICKNESS	(mm)	20/6/12	20/6/12	20/6/12	20/6/12	24/6/12
TYRES		2x(4.00/60 R15.5)	2x(4.00/60 R15.5)	4x(4.00/60 R15.5)	4x(4.00/60 R15.5)	8x(235/70 R17.5)



## STATIONARY MIXER FEEDERS

Stationary mixer feeders are special projects for medium and big sized enterprises. These mixer feeders offer the large volume required for feed mixing. 2 and 3 auger structures provide homogeneous rations with powerful engines.

Energy consumption is reduced to minimum with special gearboxes connected to the electric motors with inverters.

With the **optional** hardox body, wireless weighing systems and weighing systems with software, each user can create their own feed center as they wish.

The **optional** Hardox body, which has proven itself in the world in durability, has a much longer life.

Easy to unload and save time with the **optional** Z conveyor.

Professional mixtures with **optional** DG8000 & DTMIC scales with a software.

With the **optional** wireless data transmission system, you can track the weighing data on the mixer feeder from your office.

16 CUBIC METER



30 CUBIC METER



20 CUBIC METER



40 CUBIC METER



24 CUBIC METER



50 CUBIC METER



## Stationary mixer feeders up to 50 cubic meter!

High volume feed mixing solutions for bigger enterprises.





CHARACTERISTICS	UNIT	FMVS 16	FMVS 20	FMVS 24	FMVS 30	FMVS 40	FMVS 50
VOLUME	(m <sup>3</sup> )	16	20	24	30	40	50
NUMBER OF AUGERS	(pcs)	2	2	2	2	3	3
HEIGHT	(mm)	2540	2830	3100	3320	3200	3500
LENGTH	(mm)	5040	6000	6000	6320	8360	8360
WIDTH	(mm)	2275	2315	2315	2290	2400	2400
WEIGHT	(kg)	7000	8000	8800	10.000	14.000	15.000
BOTTOM/ BODY / AUGER THICKNESS	(mm)	20/8/12	20/8/12	20/8/12	20/8/12	20/8/12	20/8/12
NUMBER OF LOADCELLS	(pcs)	4	6	6	6	8	8
MOTOR POWER	(kW)	2x45	2x45	2x45	2x55	3x45	3x55



## SELF-PROPELLED MODELS

Mastermix self-propelled mixer feeders are designed for large enterprises.

With powerful engine and tiller, it prepares homogenous mixtures by taking all kinds of products without needing any tractor or a loader.

Loading silage, bale and concentrated ingredients very quickly with the built-in powerful tiller.

Thanks to the automatic stop function, ingredients to be loaded can be approached slowly and can be loaded without the need of the brake pedal. This system also provides ease of operation for an operator in sloping places.

There are three self-propelled mixer feeders models such as 12m<sup>3</sup>, 14m<sup>3</sup>, 16m<sup>3</sup>.

With a powerful tiller, you can easily load all the content and mix it with the new generation of augers in ideal homogeneity.



Load all the ingredients with powerful tiller.  
Mix them with new generation augers.  
Distribute feed in a short time.

Do all of these with only 1 operator.



## Star employees of big enterprises!

Finish all the ingredient collecting, mixing and distributing work in a short time with 1 operator.





CHARACTERISTICS	UNIT	MASTERMIX 12	MASTERMIX 14	MASTERMIX 16
VOLUME	(m <sup>3</sup> )	12	14	16
NUMBER OF AUGERS	(pcs)	1	1	1
HEIGHT	(mm)	3150	3200	3300
LENGTH	(mm)	7300	7800	8000
WIDTH	(mm)	2380	2380	2380
WEIGHT	(kg)	9500	10.000	10.500
POWER	(kW/HP)	129/175	129/175	129/175
NUMBER OF KNIVES	(pcs)	6	8	10
BOTTOM / BODY / AUGER THICKNESS	(mm)	20/8/12	20/8/12	20/8/12
TYRES		4x(245/70R 19.5)	4x(245/70R 19.5)	4x(245/70R 19.5)

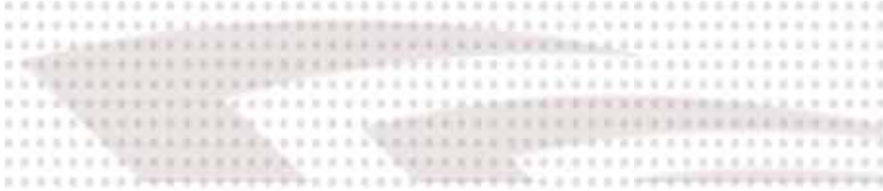


# FIMAKS YOUR GLOBAL PARTNER



**FIMAKS** Mustafakemalpasa Factory  
M.Kemalpasa Organize Sanayi Bolgesi Cad. 5  
No:2 16500 Mustafakemalpasa/Bursa/TURKEY  
T: +90 224 632 63 03  
F: +90 224 632 63 04

**FIMAKS** Karacabey Factory  
Bursa Yolu 2.Km DSI Karsisi  
Karacabey/Bursa/TURKEY  
T: +90 224 662 37 43  
F: +90 224 662 37 47



YOUR FIMAKS DEALER



Website



Loader



Youtube



Facebook



Call us



[www.fimaks.com](http://www.fimaks.com) | [www.fimaksloader.com](http://www.fimaksloader.com) | [export@fimaks.com](mailto:export@fimaks.com)