



Self-loading mixer-feeder wagon with vertical cutting and mixing auger

The Triomix: a very economical three-in-one unit...
With its six versions of 8, 10, 12, 16 and 20 m³ (280, 360, 430, 572 and 720 Cu Ft), Trioliet's new self loading mixer-feeder wagon is a machine par excellence for use in dairy farms of 60 to 300 dairy cows. The Triomix reduces the daily process of feeding your livestock to a clean and easy routine job requiring little energy or time. The self-loading Triomix cuts silage (grass, corn) very precisely then proceeds to mix it to an optimal light and fluffy consistency and finally discharges the mixed feed in even amounts at the feed barrier. It is of very little consequence how hard the silage is, the amount of dry matter in the feed or the length of the grass, thanks to an amazing range of combined cutting, mixing and distribution technologies. Any added by-products and concentrates are also mixed in meticulously by the Triomix. Likewise, processing round or square bales, hay or straw presents no problems for the Triomix.

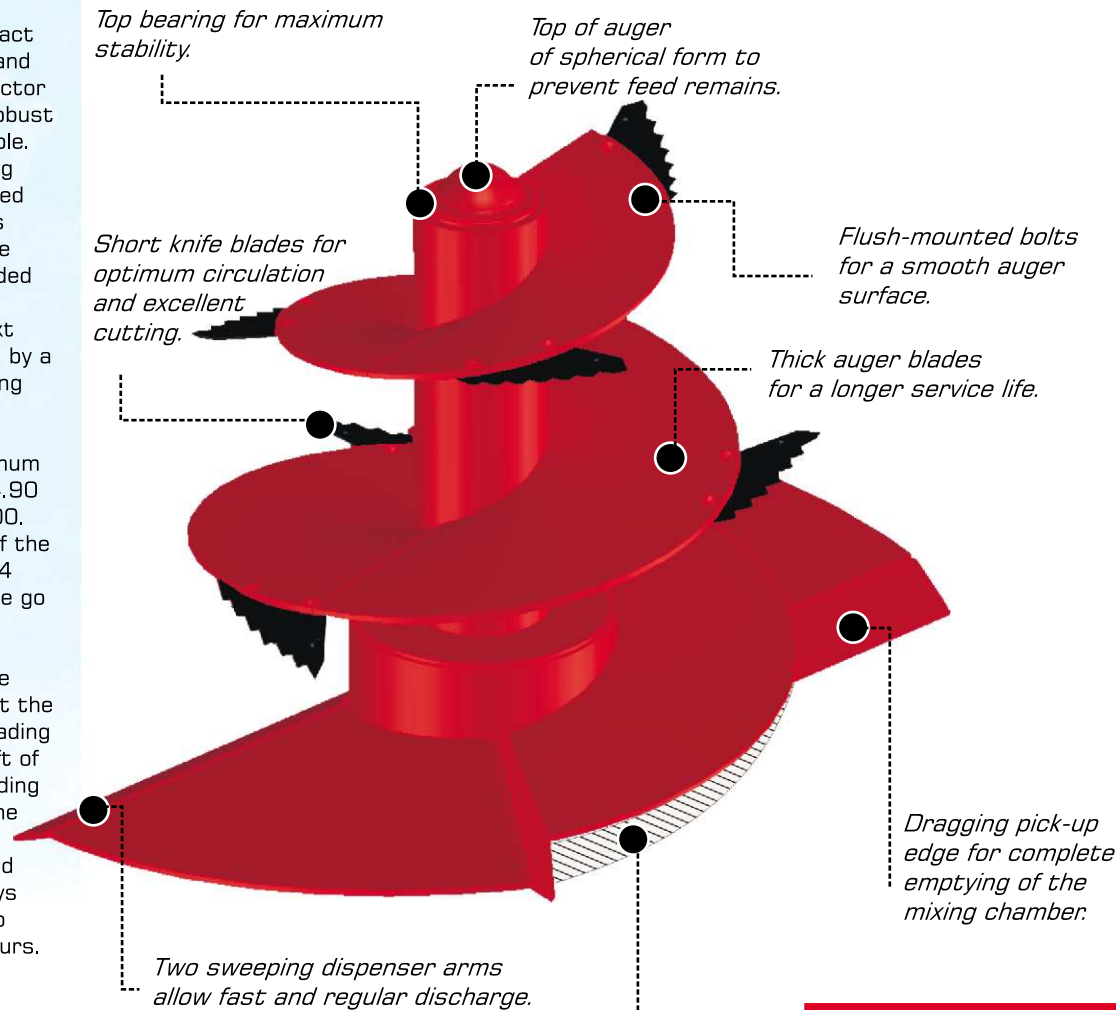
Mixed feeding...
The saving of labour may be considerable, the ease of operation impressive and the energy requirement remarkably small but the greatest gain from the Triomix may be observed in the feeding behaviour of your cows: The animals are consistently given the same fresh, light and airy mix of easily digestible feed once or, at the most, twice a day. It is now no longer a case of looking for the fattest plum in the plum pudding, the mixed feed ration put out is consumed in its entirety by your cows. To give separate supplementary feeds is now permanently a thing of the past.



Unequalled loading capacity...
Anyone who knows how to reverse a tractor will have no difficulty handling the Triomix. The compact construction, the large tyres and the clear visibility from the tractor all contribute to making this robust machine extremely manoeuvrable. At the start of the daily feeding operation the Triomix is reversed against the silage face with its cutter-mouth raised and at the same time the loading plate aided by support rollers is pushed smoothly under the silage. Next the cutting process is started by a simple shift of the handle making the double power of the solid, slightly curved cutter-mouth immediately evident. The maximum cutting height is as much as 4.90 m./192" for the Triomix 2, 2000. In addition the working width of the U-shaped cutting frame is 2.24 m./88", allows you to cut in one go at least 3.2 m²./ 115 Cu Ft of silage in only a few minutes! A monitoring light clearly visible from the tractor indicates that the feed has been cut up to the loading plate. After this, a second shift of the handle sets the hinged loading plate into action to transfer the load into the oval mixing chamber. Throughout the cutting and loading process the silage stays completely enclosed so that no loss or breaking up of feed occurs. Vulnerability to wind, often a problem with rotating milling machines is completely eliminated.

"Twin Stream" mixing auger

Optimum mixing, cutting and distribution.



A smooth silage face and a clean work floor surface...
What is left after cutting and loading is a smooth, extremely clean silage face. The silage face is completely intact, and as the structure is left undamaged, it is impervious to over-heating or any other type of silage spoiling. An absolutely perfect cutting result. When the Triomix job is finished, the broom can just stay in the cupboard.

Perfect mixing...
The mixing chamber is oval in shape and completely open at the top. Its core is a robust cutting and mixing auger which is mounted vertically on a fixed column and turns on bearings at the top as well as the bottom end. The auger which is a long design is fitted with 4, 5 or 6 cutting knives depending on the type of Triomix wagon. The planetary gearbox ensures a constant, controlled turning action and makes the cutting and mixing auger virtually maintenance-free. The feed mix is constantly pushed up from the bottom to the middle of the mixing chamber and slides down to the bottom again along the conical mixing chamber wall. This is a very natural rotational movement which results not only in a very thorough mixing capability but also uses up remarkably little horse power. Thanks to the cutting knives on the mixing auger the Triomix also processes long-cut products without any problems. The cutting action can be enhanced even further by the addition of a counter-knife set into the mixing chamber wall. This is a particularly good solution for dry products. After a mixing process of no more than 5 minutes the Triomix produces a total mixed ration that is as homogeneous as it is light and fluffy. Cut to an optimum length, not "kneaded" or compressed but with a

loose structure which influences the feed consumption of your livestock most favourably. The mixing is performed to such a level of perfection that practical experience has shown that by-products such as pressed pulp, straw or concentrates added to the grass and corn silage cannot be separated out or picked over by the cows.

Speedy and even discharge in 2 directions...
The completely closed cross conveyor belt of the Triomix is a fairly wide. The conveyor belt is attached to the front of the machine and a special viewing hatch allows an excellent view of the mixing-proces and discharge. The discharge door can be set at different settings and its position is shown by an indicator with a graduated scale. The mixed feed can be discharged from both sides and there is no question of spillage. The cross conveyor belt runs without noise and is impervious to all aggressive feed types. It requires virtually no maintenance. Also of importance is the careful thought devoted to the positioning of the wheels under the Triomix so that they do not ride over the feed. When the feeding is finished there is nothing left but a completely empty mixing chamber.

Triomix options..
An option worth noting is the electronic weighing device. This device is simple to operate and is exceptionally accurate in its functioning. There are also a number of useful accessories available. Whichever Triomix version you decide on, a standard version or one with various optional extras, you are assured of an unrivalled range of cutting, loading, mixing and distribution technologies. Taking into account, moreover, the great amount of labour saved as well as savings in diesel and maintenance costs, this is a most economical 3-in-1 principle. In conclusion the Triomix will mix perfectly and feed evenly a fresh and homogenous total mixed ration to your livestock day after day, month after month, year after year.

The two vertical mixer augers with cutting blades and planetary gear-drive ensures a perfect TMR result, feed structure remains optimal.



Feed that is perfectly mixed and homogeneous in its consistency. Feed structure remains at its very best.

Types Triomix 2 are standard equipped with four single wheels on reciprocating tandemset.



Reduced auger diameter improves vertical circulation and speeds up cutting process.

The cross conveyor belt means the mixed feed can be evenly distributed both to the left and to the right.



A monitoring light indicates that feed has been cut out right to the bottom of the clamp.



A smooth, extremely clean silage face cut out perfectly to the bottom.

Trioliet: Invents for you.

feeding

mixing

loading

cutting