

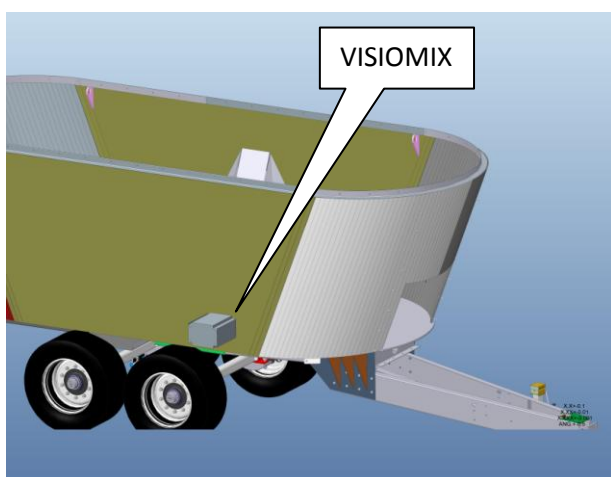


New technology innovation: Dinamica Generale presents new computer vision technology “VISIOMIX”

Dinamica Generale developed its latest innovative system based on computer vision technology: VISIOMIX. The new system is capable of measuring the homogeneity and length of the fibers within the feed mixer during TMR mixing.

As specified in the patent filed by Dinamica Generale, the length of fibers is measured by acquiring numerous frames per second and, for each frame, specific algorithms measure the length of fibers. When the ninetieth percentile of fibers measured with VISIOMIX corresponds to the target length, the result is achieved. As far as homogeneity is concerned, the system compares subsequent frames and measures the topological differences among them. The target homogeneity is achieved when the difference between subsequent frames is minor or equal to the threshold set by the farmer.

The VISIOMIX system can be mounted on every feed mixer on the market and represents the cornerstone of a wider project started several years ago by Dinamica Generale: managing animal nutrition process for achieving sustainability and production efficiency for farmers.



Consistent and predictable feed quality is top of mind for today's dairy farmers and ranchers. Here's why: monitoring and ensuring the quality of feed enhances animal wellness and productivity and maximizes profitability.

The implementation of Precision Feeding systems manufactured by Dinamica Generale optimize the performance of livestock farming; this optimization leads to a significant improvement in financial performance as obtained during the "FILIGRANA" project with an average improvement of 4 € cents / kg of milk produced.

As well as Precision Feeding systems achieve consistent TMR in terms of nutrients, VISIOMIX is capable of controlling the degree of homogeneity of the mixture as well as the length of fibers automatically adjusting the mixing time according to the target set by each and every farm. Controlling the homogeneity and length of fibers is of paramount importance for farmers because they can affect rumination, sorting activities, the production yield and animal health.



Dinamica Generale known as the leader in NIR technology for more than 10 years, developed the computer vision technology as the right tool to determine the physical structure of matter. On the other hand, the NIR analysis achieves outstanding results on the control of the incoming ingredients of the ration, but it is not suitable to determine the physical structure of ingredients or the length of fibers.

The main objective of the feeding management program of each farm is reducing the feed variability. VISIOMIX in association with Precision Feeding systems offers the opportunity to extend the control of feeding up to the TMR with positive effects on health and productivity of the herd, but especially for the improvement of farming income.

The next 2016 Eurotier Fair will celebrate outstanding product innovations, VISIOMIX will be awarded the prize of best of innovation in the field of animal production sector.

For more information on prices and distribution, please pay a visit to our booth (Hall 27 Stand G 23) at Eurotier 2016.

Dinamica Generale Italy Headquarter