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Dosing and process controls engineering

Dealer









Mangra, an engineering brand



We are an engineering company with a wide experience in agribusiness (feed-mills) and agrifood installations. We are specialists in technology, machinery and installations for the animal feeding industry.

For the last 25 years we have been creating a group of installations and automatic controls in order to facilitate the usage of the wide range of essential liquids used in all formulations or recipes for the production of compound feed.



At Mangra, we maintain leadership positions through research and innovation, for that reason we are pioneers and leaders in the area of liquid dosage and process controls for feed-mills.

Animal nutrition& feed-mills

u		 Reception Tanks 					Line for dosing
Order	Engineering, R+D and planning	Reception and storage of liquids	Dosage of liquids	Process		Moisture control	Systems dosing st
			Reception of raw materials 3 ADICOS dosage of organic acids Mixer 4 Line MG for fats and oils 5 Line MH for amino acids		,		
			 Line for organic acids, mould-inhibitor, acidifiers and surfactants AMC (automatic moisture control) Molasses mixer Line for molasses to molasses mixer Molasses mixer 				
			Pelleting 10 Pellet-press controls MIPS/MIC 11 Molasses to conditioner 12 Fat Spray				
			 Post-pelleting 13 Monoblocs for aromas and flavours 14 Monoblocs MIDMOS for enzymes, phytases, pigments, probiotics and vitamins 15 Line for fats and oils post-pelleting 				
			Post-pelleting applicators 16 Weighing belt 17 Weighing reddler 18 Drum (Trommel) 19 Fat-coater 20 Disc-coater				
			 20 Disc-coater 21 Double shaft paddles blender 22 Ribbon blender 23 Finished product 23 Line for medicaments 				





Reception. Tanks.

3

ADICOS dosage of organic acids.



Line MG for fats and oils. Line MH for amino acids. Line for organic acids, mould-inhibitor, acidifiers and surfactants.

4 5 6



AMC (automatic moisture control).



89

Molasses mixer.



Molasses to conditioner. Fat Spray.



Monoblocs for aromas and flavours.



Monoblocs MIDMOS for enzymes, phytases, pigments, probiotics and vitamins.



Line for fats and oils post-pelleting. Weighing belt.

24



Drum (Trommel).









) **m**

Fat-coater.

Disc-coater.

Double shaft paddles blender.

Ribbon blender.

Line for dosing steam.





Line for molasses to molasses mixer.



Pellet-press controls MIPS/MIC.

17

Weighing reddler.





Steam and electrical exchangers.