



AUTOMATED FEED PRODUCTION PLANTS WITH REPEATING CYCLES



CONTROLLED BY COMPUTER OR PLC

VERSION WITH SUCTION DISCHARGE GRINDING MILL

FEED SILO	Galvanised silo capacity 800 litres, with flow regulator by suction with manual regulator flap, magnetic shielding. Grinding mill stops automatically on shortage of grains with timed electronic level detector.
GRINDING MILL WITH HAMMERS	Grinding mill BC 7.5 kW (10 HP) Interchangeable wear plates, 3000 rpm 8 mobile hammers, galvanised suction and discharge pipes Ø100 2 grids Ø6 and Ø8. Option: 15 kW (20 HP) motorisation to replace the 7.5 kW
HORIZONTAL BLENDER	Air decompression bag, Sliding discharge valve located under the tank with electric actuator <ul style="list-style-type: none"> MH 1000 Mixer: 1000 litres, 3 kW (4 HP) motor-gearbox unit or <ul style="list-style-type: none"> MH 3000 Mixer: 2200 litres, 7.5 kW (10 HP) motor-gearbox unit
WEIGHING FRAME	Supports the whole plant: silo, grinding mill and mixer
ELECTRONIC WEIGHING	Version III/4, 4 sensors, Storage of 8 formulas for 5 products Execution of repeating cycles (max 99) of weighing, milling, blending and discharging. Milling can be programmed during weighing Additives (oil, probiotics, etc.) can be weighed during blending Delayed starting of weighing by built-in clock. Sequence for uniform filling of the blender Tare, reset, programming of various items of data: flight weight, time delay, etc.
CONTROL PANELS	1 Grinding mill, mixing box: automatic y-delta starter for the grinding mill, contactor and thermal cut-outs for grinding mill, mixer 1 Handling box: contactors and thermal cut-outs for 5 product augers, 1 discharge auger and actuator under the mixer 1 5/8 PLC box with auto-manual buttons

GENERAL PRINCIPLE

Intended for all types of livestock breeders (pigs, poultry, ducks, cattle, etc.) these production plants produce quality feeds making use of the cereals produced on the farm. Their features include:

- The electronic weighing of all products in bulk: cereals, soya, bran, minerals, oil, etc.
- Fully automated production: weighing, milling, blending and discharging in repeating cycles of 0.5 or 1 tonne.
- Computer management of recipes, stocks, calculation of cost prices and traceability of manufactured feeds.
- Storage of finished feeds in bulk for mechanical or air-operated distribution.

OPERATING PRINCIPLE

This type of unit, of a very simple design, enables all the products to be milled by adjusting the suction into the hopper through a flap. The reduced power of the grinding mill (7.5 kW) is perfectly suited to low tonnage units.

The discharge of meals directly into the mixer by the grinding mill blower, reduces the overall dimensions of the unit and facilitates its installation in already-existing premises or premises where space is at a premium.

These units can be coupled to a pneumatic transfer system able to feed a number of silos with end products up to 200 metres away.

As an option, with the FEEDO 2000 software package, it is also possible to program the manufacture of different formulas and transfer them to the receiving silos connected to the production plant by pipes with electro-pneumatically controlled direction switching.

The transfer is either carried out at the end of the cycle (emptying phase) or during the cycle (in background mode) by means of a buffer silo, in order to increase the throughput of the installation.

OPTIONS

FOR THE PLANT

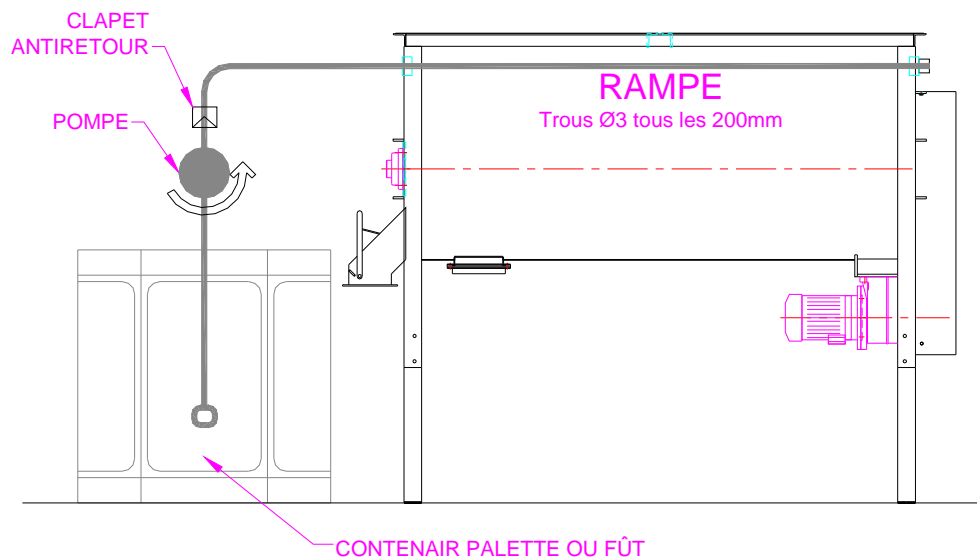
Mineral auger:

Ø100 mm, 1.5 kW (2 HP) indirect-drive motor.
Leaktight connection on mixer with inlet Ø125 and translucent flexible connecting pipe
Conical loading hopper, capacity 150 litres
Protection grid, flow regulation flap with slide.
Supplement for stainless steel hopper to ensure flow.



Oil dosing system:

With centrifugal priming pump, 0.37 kW (0.5 HP) motor
PVC pressure pipes with elbow and fittings.

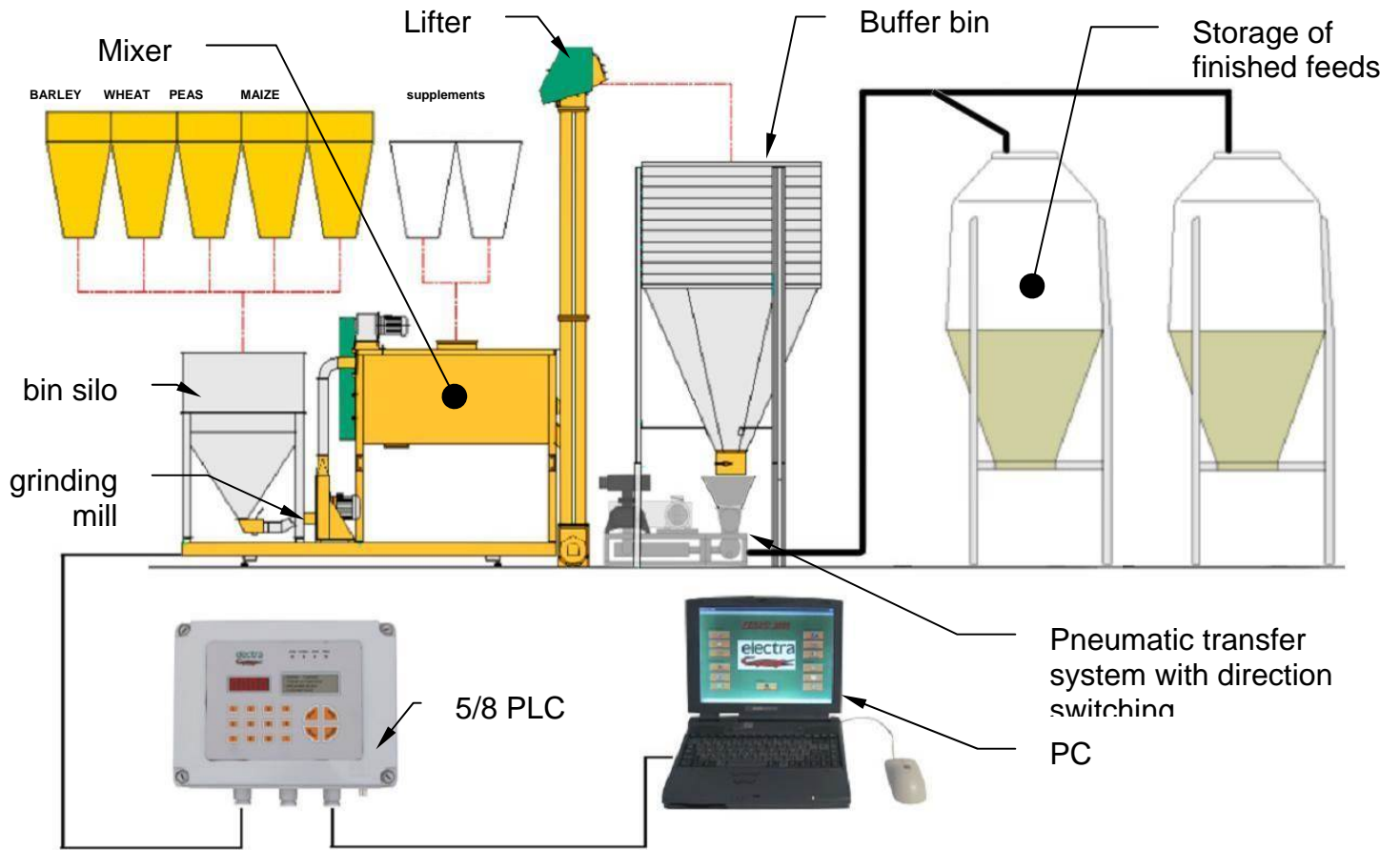


FOR WEIGHING

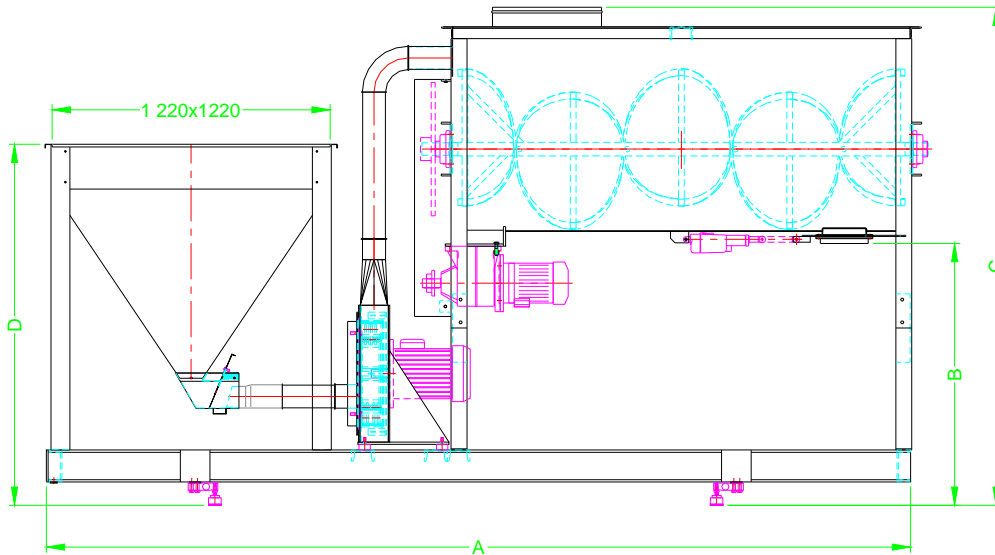
- 400 VA UPS
(To protect the display against overvoltages)
- Box for 4 additional products
with extension board and contactors
- FEEDO 2000 production software
(See documentation or demonstration CD ROM).
- Automated distribution to the silos
(8 directions maximum)



EXAMPLES



OVERALL DIMENSIONS



All dimensions are in mm

	Length (A)	width overall	B	C	D
version with MH 1000 Mixer	4000	1280	1100	2200	1600
version with MH 3000 Mixer	4400	1280	1100	2500	2200

The technical specifications may be subject to change without notice



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