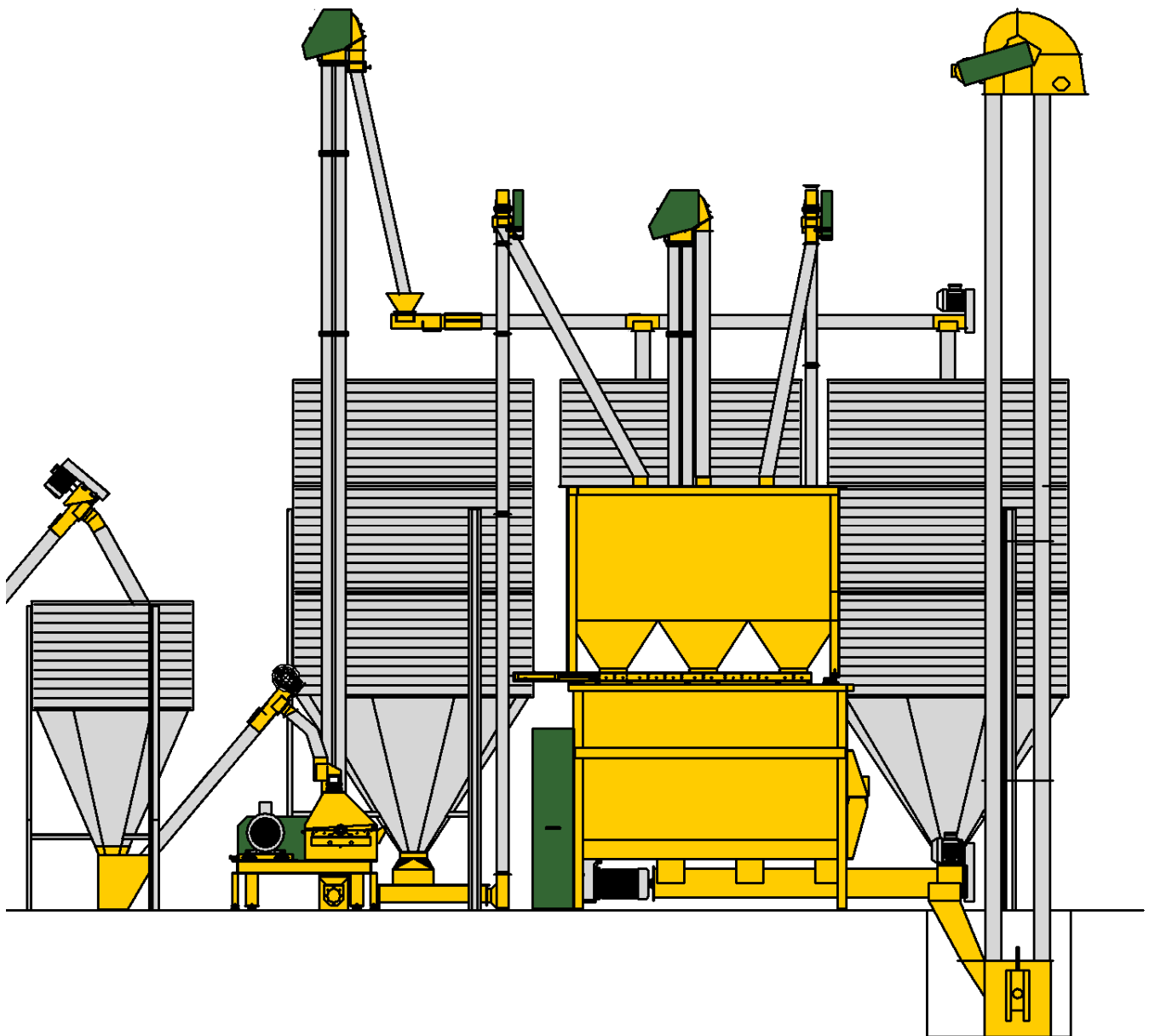


EXPORT FEED PRODUCTION PLANT 8 T/H to 12 T/H



EQUIPMENT DESCRIPTION

Galvanised bin:

Capacity 4.7 m³, receiving the raw materials to be milled

With high and low level probes for the servocontrol of the storage bin collection augers

Grinding mill feed auger:

Ø150 length 3 metres

Direct drive by 1.1 kW motor-gearbox unit with mechanical speed controller for servo-control of the grinding mill feed.

Magnetic shielding:

By permanent magnet fixed to the trough of the grinding mill.

Type F 10 DD grinding mill:

Weld-fabricated body, thickness 10 mm, working width 310 mm.

Interchangeable wear plates.

Grid with chain tensioning system.

Machined rotor mounted on bearings with SNH 513 baseplates and a shaft diameter of 60 mm.

Direct coupling by semi-elastic flexible coupling.

Electric motor 45 kW.

The whole mounted on normal channel section frame with leg heighteners.



Pallet lifter for collection from under the grinding mill:

Height 10 metres, motor 2.2 kW.

Inlet hopper, downfeed accessories to feed the horizontal augers

Two horizontal augers:

Ø150 length 6 metres, motor 1.5 kW with intermediate outlets controlled by electric actuator for filling the buffer bins

Six internally-galvanized bins:

For storing pre-milled products

Capacity 24 m³, with conical base, on legs with flexible tarpaulin for covering the roof

Six pallet lifters:

For collecting from under the bins

Height 8 metres, motor 3 kW with conical auger, inlet hopper,

Downpipe with flexible sleeve for connecting to the weighing skip

Weighing hopper:

Capacity 6500 litres, pyramidal section base.

With discharge driven by air-operated actuator

4 strain gauge sensors placed under the feet and bolted to the cover of the mixer

Electronic weighing version V/4 with FEEDO 2000 software:

Storage function for an unlimited number of formulas,

Stock and production management,

Operation printing,

Production by repeating cycles.



Oil dosing system:

Centrifugal pump 0.37 kW, PVC ducts and elbows for direct incorporation into the mixer

MH 7000 horizontal mixer:

Rotor with double reverse pitch blades on struts.

Useful capacity 5000 litres in batches of 2500 to 3000 kg.

18.5 kW motor-gearbox unit.

Three discharge mouths under the tank opened simultaneously by electric actuator.

Extraction auger under the mixer:

Horizontal in tube Ø240 mm, min flow rate 30 t/h, 3 kW motor

AUger. 3 inlet hoppers 200x200 mm

No. 14 bucket lifter:

Overall height 11 metres, min. flow rate 30 t/h

Feed on rising section driven by 3 kW motor

General electrical control cabinet comprising:

- Grinding mill feed auger 1.1 kW: 1 relay-controlled cutout
- Grinding mill 24 kW. :
 - y-delta starter
 - thermal cutout circuit breaker
 - flow rate checking ammeter
- Pallet lifter under grinding mill 2.2 kW: 1 relay-controlled cutout
- Horizontal augers 1.5 kW: 2 relay-controlled cutouts
- Pallet lifter under bin 3 kW: 6 relay-controlled cutouts
- Horizontal mixer 18.5 kW: 1 relay-controlled cutout and reversing switch
- Extraction auger 3 kW: 1 relay-controlled cutout
- Bucket lifter 3 kW: 1 relay-controlled cutout
- on and fault warning lamps
- general fuse-holder isolating switch controlled from outside

GENERAL OPERATING PRINCIPLE

Intended for all types of livestock farming (pigs, poultry, sheep, cattle, etc.) these automatic computer-controlled production plants produce quality feeds making use of locally-produced cereals.

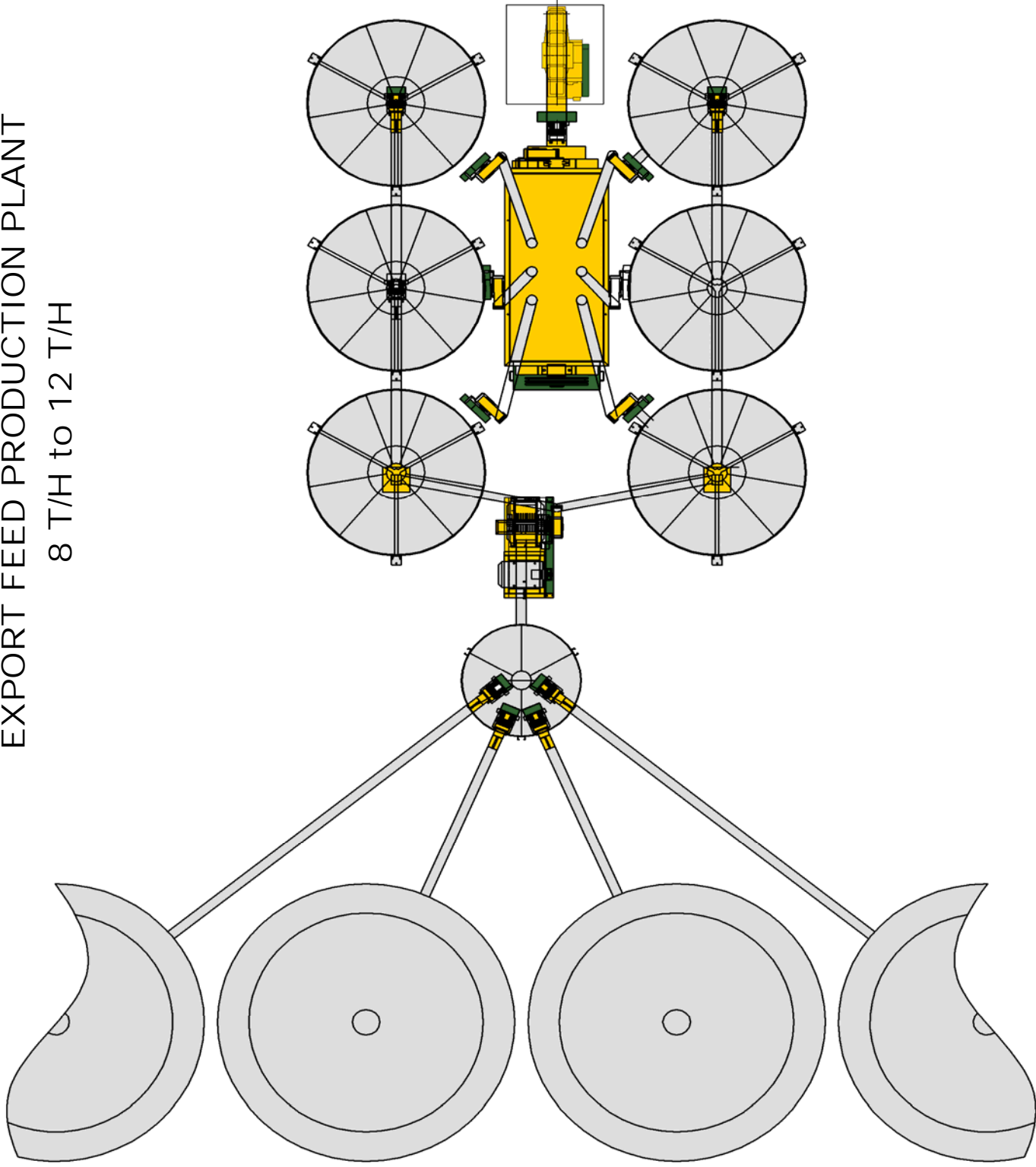
Their features include:

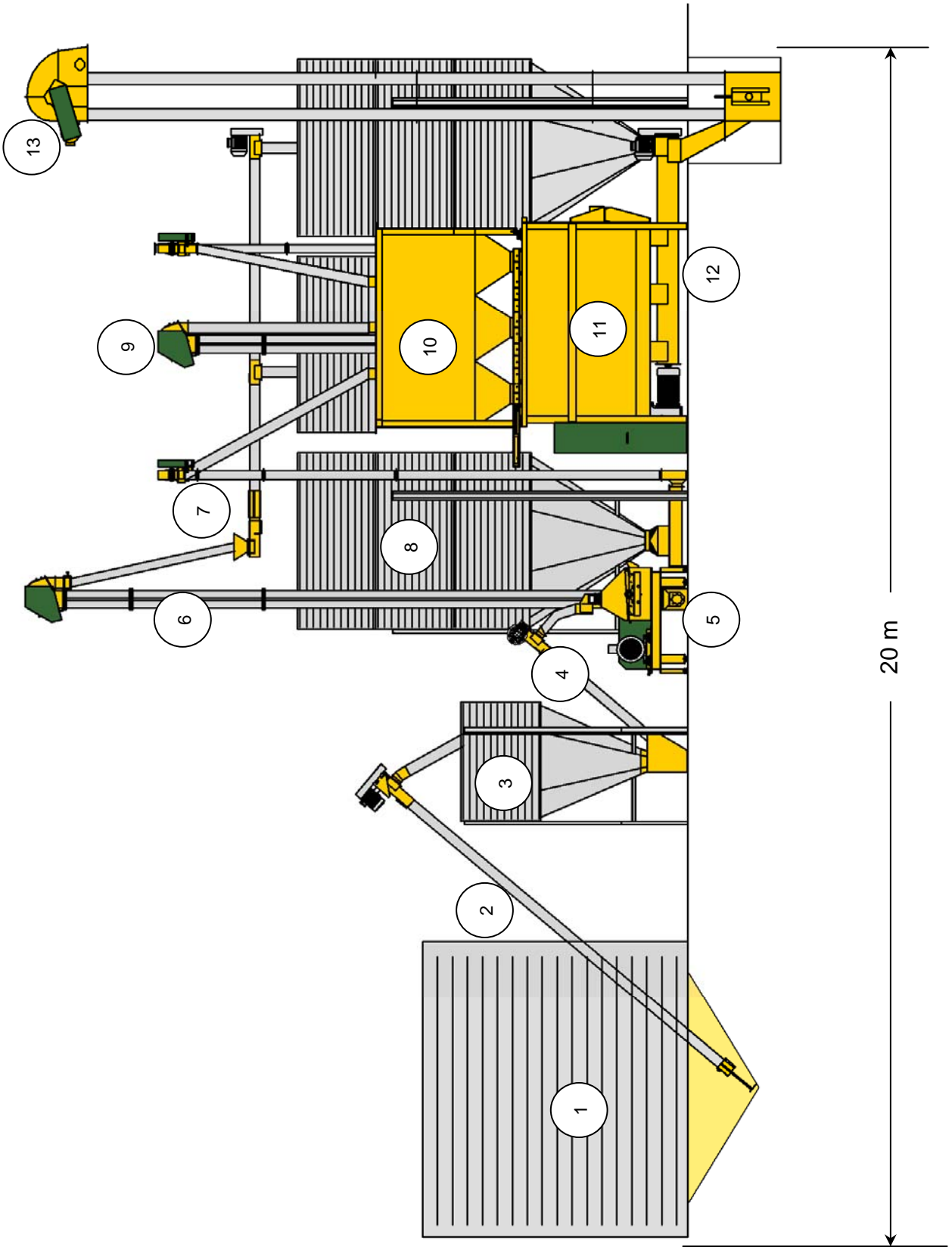
- The electronic weighing of all products in bulk: cereals, soya, bran, minerals, oil, etc.
- Fully automated production: weighing, milling, blending and discharging in repeating cycles.
- Computer management of recipes, stocks, calculation of cost prices and traceability of manufactured feeds.
- The storage of finished feeds in bulk

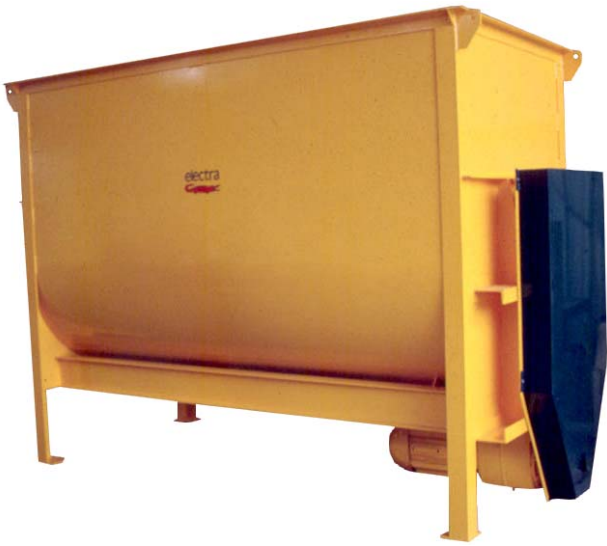
This type of unit optimises the yield of the grinding mill by using the whole power of the motor for milling while diminishing environmental pollution: noise, dust, induced vibrations.

EXPORT FEED PRODUCTION PLANT

8 T/H to 12 T/H







MH 7000 Mixer



Galvanised buffer bin



Pallet lifter



Transfer and lifting auger



Electrical cabinet



FEEDO 2000 PRODUCTION SOFTWARE

This is designed to control one or more automatic weighing controllers from a computer. It can store an unlimited number of formulas from 21 basic products, automatically manufacture several cycles of a formula while indexing distribution to the corresponding silo, manage the entry and exit of raw materials, calculate the cost of each formula and cost price to the kg, print the various operations after each production run with the formula and cycle numbers.

TABLES FOR VIEWING THE VARIOUS FUNCTIONS



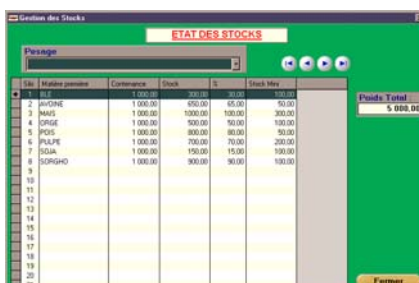
Each raw material is identified in a dictionary. A colour set by the user and a silo number is assigned to it when the system comes into operation.

In addition to the main dictionary, it is possible to list all the minor ingredients (additives) which could be incorporated manually in order to include them in the calculation of the cost price of the feeds.



When the user receives a raw material, they call up the "stock management" screen, then select the silo to be supplied. The remaining quantity along with the evaluated cost is then displayed. The user then just enters the quantity and the unit price to the kg to adjust the stock level and confirms the screen.

Each silo is identified by a colour and a name. The stocks of the various raw materials are displayed by an index and a percentage fill for each silo. 3 pages of tables are provided for viewing 21 products.



When all the silos have been assigned and viewed, a summary report can be produced which shows the filling ratio and the aggregate weight.

To program a formula, the user assigns a number and name together with the total weight required. They then retrieve the various ingredients required from the dictionary, copy them into the formula table, then enter the percentage or weight required and finally confirm their entry. It is possible to program more than 100% of the total weight, particularly in order to use additives.



| | |
|----|-----------------------------------|
| 1 | RAW MATERIAL STORAGE BINS |
| 2 | LIFTING AUGERS |
| 3 | GALVANISED BIN 4.7 M ³ |
| 4 | GRINDING MILL FEED AUGER |
| 5 | F10 GRINDING MILL |
| 6 | PALLET LIFTER |
| 7 | TRANSFER AUGER |
| 8 | GALVANISED BUFFER BINS |
| 9 | PALLET LIFTER |
| 10 | WEIGHING HOPPER |
| 11 | MH 7000 HORIZONTAL MIXER |
| 12 | EXTRACTION AUGER |
| 13 | BUCKET LIFTER |

| | |
|-----------------------------------|---------------------|
| PACKAGING | 1 TC 40" & 1 TC 20" |
| INSTALLED ELECTRICAL POWER | 94 kW |

The technical specifications may be subject to change without notice



47170 POUDENAS - FRANCE

Tel.: +33 (0)5 53 65 73 55

Fax: +33 (0)5 53 97 33 05

e-mail: elevage@electra.fr

www.electra.fr