INTEGRATED TECHNOLOGIES FOR MAIZE PROCESSING

A COMPANY OF
GEA engineering for a better world
EQUIPMENT FOR MAIZE PROCESSING

1 LPF  
Sleeve filter with high cleaning ratio
It instantaneously weighs the hourly capacity of the cereal

2 POND 012  
Electronic weigher for production control

3 MF  
Pipe magnetic separator

4 SPR  
Rotating pre-cleaning separator with high capacity, used to separate large foreign bodies (paper, iron, wood, stones, etc.) that can be found in the cereal at the entrance of the reception holes

5 SDI  
Intermediate decanter used to separate the heavier dust of the principal flow from the dusty air

6 SAP - Air separator  
Air separator canal. It allows the separation of light impurities from the product through an air flow that passes through the cereal

7 RFP - Ponderal flow measurer  
It instantaneously weighs the hourly capacity of the cereal

8 VB  
The Vibro-Separator is used to separate the foreign bodies from the cereal (straw, stones, sand, small extraneous seeds)

9 SCC - Closed air cycle separator  
Aspiration canal for air recirculation

10 SGS Gravity  
Dry stoner and grain classifier
The dry stones separates the stones from the cereal, the grain classifier divides the cereals into a heavy flow and a light flow.

11 MP SPI SUMP - BI  
Automatic damping machine with flow detector

12 MDS 55 - Maize Degerminator Scrourer  
Capacity 2.5 t/h. Motor 55 kW.
It is used in the maize processing to extract big and medium maize pieces with low fat contents and without cellulose.

13 GQTG - Plansifter  
Sifter from 2 to 10 canals with maximum 30 sieves for each canal

14 Semolina - Purifier  
With 50 cm width sieves, it allows a high grain selection of the grits.

15 TC - Conical air separator  
Aspiration canal used to separate the product from the lightest impurities (cellulose, bran, seed fragments).

16 Synthesis  
Roller mill with four rolls of various length (1000, 1250 and 1500 mm) and diameter (from 250 to 300 mm).

17 GVSO  
The Horizontal Vibrating Sifter is specific for viscous flour sifting.

18 SE  
Milling extractor for silos with not flowing cereals.

19 ESF-ESB  
Vibrating Extractor for silos

PRODUCTION LINES AND RAW MATERIALS

A  
Directly expanded snacks
1 Twin-screw extruder
2 Buffer
3 Dryer
4 Flavoring tumbler drum

B  
Extruded corn flakes with sugar coating
5 Twin-screw extruder
6 Sifting predryer 01
7 Flaking mill
8 Sifting predryer 02
9 Belt oven
10 Belt cooler
11 Coating drum
12 Dryer
13 Belt cooler

C  
Expanded shaped breakfast cereals with sugar coating
14 Horizontal mixer
15 Twin-screw extruder
16 Belt oven
17 Belt cooler
18 Coating drum
19 Dryer
20 Belt cooler

D  
Traditional corn flakes
21 Raw material silo
22 Rotating steam cookers
23 Apron feeder
24 Sifting predryer 01
25 Flaking mill
26 Predryer
27 Belt oven
28 Belt cooler

E  
Snack pellet
29 Cooking extruder
30 Forming extruder
31 Sifting predryer
32 Dryer
33 Belt cooler

F  
Gluten-free dry pasta
34 Steam mixer and pasta press
35 Sifting shaker pre-dryer
36 Pasta dryer
37 Belt cooler

A  
Fine Corn Flour
38 Hominy
39 Corn Flour
40 Medium Corn Grits
41 Coarse Corn Grits
42 Zootchnical Flour