

Sama[®]

Packaging Machines &
Processing Systems

S
N
A
C
K
S

P
R
O
C
E
S
S
I
N
G

S
Y
S
T
E
M



www.samaengineering.com



Packaging Machines &
Processing Systems

Company Profile

Introduction:

SAMA has more than four decades of experience in the turnkey sector. During this period, projects have been successfully developed and implemented on every scale. Experienced employees have the drive and the know how to understand, Plan and implement production process and complex Snacks processing systems. We the SAMA have expertized in the field of packaging machines and processing systems.

The selections of the machines and components is carried out independently and is oriented exclusively toward the products in question and the customer's request. Whether you are an investor who's is planning a production side from scratch, a branch snacks maker who wants to produce on an industrial scale or a regional snacks maker who wants to stand out in terms of quality from your competitor- SAMA designs the necessary solutions and makes them the reality.

The SAMA snacks systems supplies customized, complete and turnkey solution for the snacks industry you decide which snacks products you would like to produce and SAMA will ensure that you are able to do this in the desired quality and on the agreed date. No matter whether it involves a new built or the modernization of existing production facilities. As the market and product trends in the snacks industry continuously require new and innovative solutions of the highest quality, it is crucial to have one supplier that can handle all aspects of the project management. From the targeted product development at the SAMA technology center and the selection of the suppliers to installation and far into the use phase. Engineering and technology as well as service from a single source are required.

- Individual support with product development and optimization.
- Competent process and lay out planning.
- High efficiency due to consideration of the total cost of owner ship.
- Monitoring and support at start-up.
- Intensive employee training.

INDEX

Direct Puff & Core-Filled Snacks Line	01
2D & 3D Pellet-Fryum Line	02
Popcorn Line	03
Breakfast Cereal & Corn Flakes Line	04
High Moisture TVP/TSP Line	05
Pet Food/Treats/Animal Feed Line	06
Fried Wheat Flour Based Snacks Line	07
Cheetos & Kurkure & Nik Nak Line	08
Doritos & Tortilla & Corn Chip Line	09
Bread Crumbs/Panko Process Line	10
Peanut/Nuts Roaster Process Line	11
Potato Chips & French Fries Line	12
Multi-Purpose Microwave Dryer	13
Automatic Hamburger	14
Continous Fryer/Batch Fryer Line	15

SAM-DP

Direct Puff & Core-Filled Snack Line

Direct Puff and Core-Filled Snack use for Wheat Flour, Bean Powder, Tuber Crops Material, Vegetable Powder as the raw material. Via the effect of Extrusion Machine, to produce multiple types, different shapes, Crispy and Tasty Snack. Due to it is a profitable project with less investment, It won the clients trust and favor.

Production Process Line

Mixer → Automatic Feeder → Twin Screw Extruder
Core Filling Machine → Multi Functional Shaper →
Large Elevator → Dryer Elevator → Oil Spraying
Flavoring Line.



Capacity: 150-800 kgs/h

SAM-NR

2D & 3D Pellet - Fryum

This line can use Wheat Flour, Corn Starch, Potato Starch, whole Potato Flour as raw material. Through screw extruding, it can produce various shapes, through rying, frying and flavoring, it makes puffed leisure snacks with crispy, tasty mouthfeel, smooth surface, and different vivid shapes.



Production Process Line

Flour Mixer → Automatic Feeder → Twin Screw Extruder →
(vWith Cooling Tower, Water Injector) → Pattern Machine →
Compounding Machine → Lifter → Recycling Dryer →
Continuous Fryer → De-oiler → Flavoring Line

SAM-PC 100

Popcorn Line

This production line is a whole automatic process line for expanding American corn granule into different shapes, learned from American advanced technology, combine high temperature and hot air circulation system to make high heat efficiency, low production cost, easy operation, then get perfect popcorn, after coating caramel, the tasty is very popular in all kinds of people.

Production Process Line

Popcorn Machine → Sifting → Flavors and
Caramel Coating → Cooling and Separation



Capacity: 200-250 kg/h

SAM-BC/CF

Breakfast Cereal & Corn Flakes Line

Breakfast Cereal & Corn Flakes is a newly popular instant food. Longer storage time, easy to carry, nice flavoring after mixing with different milk product as the breakfast, make it becoming a favorable, convenient, and healthy food for modern people.

Production Process Line

Flour Mixer → Automatic Feeder → Twin Screw Extruder → Flaking Machine → Air Conveyor → Dryer → Lifter → Coating Machine → Vibrating Spreader → Dryer(Extend) → Cooling Conveyor.



SAM-SP

High Moisture TVP/ TSP/Soya Protein Line

This process line uses soybean meal and soya protein isolate as main raw materials, after high temperature and high pressure extruding and cutting to produce textured protein and fibre protein with certain strength and toughness like the meat, easy to digest, high nutritional, it is more and more loved by people.

Production Process Line

Mixer → Automatic Feeder → Twin Screw
Extruder → Cooling Vibration → Air Conveyor
→ Dryer → Large Elevator → Cooling
Machine → Cooling Conveyor.



Capacity: 200-500 kg/h

SAM-PF/AF

**Pet Food/Treats/
Animal Feed Line**

This processing line is specially designed to produce pet daily food and treats, also animal feed for every kind of animals. Normally using grains powder as main material, mixing with meat, bones powder, fish powder as a flavoring. Through Adopting preconditioning system for raw material, it can increase capacity and reduce power consumption. This line would satisfy different demands for capacity and quality. At the same time, we focus on palatability and scientific nutritional proportion, which make pet food more easily digested and absorbed.

Production Process Line

Mixer → Automatic FeederTwin Screw →
Extruder → Cooling Vibration → Air Conveyor →
Dryer → Large Elevator → Oil Spraying
Flavoring Une → Cooling Conveyor.



SAM-FW/FB

**Fried Wheat Flour
Based Snack Line**

Fried wheat flour snacks machine is for processing dough with wheat flour, and then shaping and cutting the skin into forming products. After being pressed by serious stainless rollers, they can be separately cut into pillow or stick shapes and expanded by frying. After that, they can be flavor-mixed and dried till they become appetizing and snack foodstuff. This line is reasonably designed and conveniently operated. No need dry process, low cost raw materials.

Production Process Line

Mixer → Automatic FeederTwin →
Screw Extruder → Pattern Machine →
Compound Shaper → Large Elevator
Continuous Fryer → De-Oiler →
Flavoring Line.



Capacity: 150-250 kg/h

SAM-CKN

**Cheetos & Kurkure
& Nik Nak Line**

Cheetos is brand of cheese-flavored, puffed cornmeal snacks. Cheetos are manufactured by blending corn and water. The mixture is heated under pressure, and then extruded through a die. The texture of the snack is formed as a result of contact with hot air, causing steam in the mixture to expand and creating its characteristic texture. After oven-drying or frying, the product is then tumbled with the desired flavor components.

Production Process Line

Mixer → Automatic Feeder Cheetos →
Extruder → Elevator → Sifter → Elevator →
Continuous Fryer/Dryer → De-Oiler →
Flavoring Line.



SAM-DTCC

Doritos & Tortilla & Corn Chip Line

Doritos was produced since 1964 and sold all over the world. The main raw material is corn powder, the mixture is heated under pressure, and then extruded through a die, then use the shaper to make the texture of the snack is formed as a result of contact with hot air, causing steam in the mixture to expand and creating its characteristic texture. After frying, the product is then tumbled with the desired flavor components.

Production Process Line

Mixer → Automatic Feeder → Twin Screw
Extruder → Pulling & Flaking Machine →
Compound Shaper → Z-Shape Conveyor →
Sifter → Continuous Fryer → Vibration
Machine → Elevator → De-Oiler →
Flavoring Line



Capacity: 150-250 kg/h

SAM-BPT

**Bread Crumbs/Panko
Process Line**

Bread crumb is commonly used for the products that need fried, crisp outside and meltingly soft inside. Replacing the traditional production technology, SinoPuff bread crumb production line is effective with less waste materials. Through mixing, cooking, crushing and screening, this production line can make various shapes of bread crumbs such as Japanese long needle shape, US granular shape, snowflake shape and so on.

Production Process Line

Mixer → Twin Screw Extruder →
Automatic Feeder → Cutter →
Conveyor → Pulverizer → Z-Shape
Conveyor → Crumbs Sieve →
Dryer(Extended).



SAM-PNR

Peanut/Nuts Roaster Process Line

Widely Applied Raw Material: Peanuts, Chestnut,
Almond, Cashew, Coffee Bean, Sunflower Seeds and etc.
Multiple Fuels to Choose: Coal, Diesel, Electric, Gas.

Production Process Line

Peanut/Nuts Roaster → Cooling Table →
Conveyor → Spice Mixer.



Capacity: 80-200 kg/h

SAM-PCFF

**Potato Chip & French
Fries Line**

This process line is to produce fresh fried potato chips or French fries, from washing & peeling potato chips, then using different knives make into flat or wave shape potato chips or stick shape, then blanching, drying, and frying and flavoring to make into tasty potato chips or French fries.



Production Process Line

Elevator → Washing & Pelling Machine →
Conveyor → Elevator → Slicer →
Blanching(Cold Water) → Blanching
(Hot Water) → Fryer → De-Oiler →
Flavoring Line.



SAM-MMD

Multi-Purpose Microwave Dryer

Customized capacity. Save labor and energy. Drying quickly, uniformly and continuously. High efficiency and easy operation, with safety protection. Low temperature drying and sterilization, keep product original vitamin, nutrition, color and taste. Apply for snack food, vegetable, fruits, nuts and tea.



Capacity: 80-500 kgs/h

NP-200

Automatic Nugget Processing Line

Make hamburger (KFC), Nuggets, chicken or beef steak, pumpkin patty etc. It regularly becomes the most ideal choice for the small or middle scale factory, home factory and dispatching center.



Production Process Line

Forming Machine Patty100-111 (TT-FM100) → Battering Machine
NJJ200-II (TT-BM200) → Breeding Machine (Crumbing Machine)



CF-50

Continuous Fryer

This line is specially developed for Pellet, Cheetos, Tortilla Chips and such Puffed Foods.



BF-100

Batch Fryer

It can use for frying Sev, Chatiya, Pappdi, Peas, Pulses (Daal), Chana Choor, Samosa etc.



Sama®

Packaging Machines &
Processing Systems





Packaging Machines & Processing Systems



+92 (21) 36688883 +92 (21) 36603311
+92 (21) 36602467



info@samaengineering.com
sales@samaengineering.com



+(92) 345 2266208 +(92) 345 2266210



Nazimabad# 02 Block A, Plot
No. 1/32, Opposite Firdous Colony
Karachi - 74600 Pakistan



www.samaengineering.com