



 **NATIONAL**
ENGG. WORKS



NATIONAL ENGG. WORKS
PRODUCT BOOKLET

Founder Pic

Our core values

We are committed to offer packaging machinery which is precision perfect and well above the average in terms of quality and finish. The appearance of any product is enhanced by its attractive and appropriate packaging. National machinery ensures a package deal combining looks with superior quality. Sturdy and tough machines are made with unsurpassed quality and technology. We offer long lasting reliability in every machine . . . smooth functioning and the finesse of perfection.

(Founder)

about us

Since its inception in 2002, National Engg. Works have become one of the leading manufacturers, exporters and suppliers of packaging and food processing machines for Pharma, Chemicals, FMGC and other industries. The range has been widely appreciated for quality standards and competitive pricing. Our product range includes Automatic Form, Fill, Seal Machines, F.F.S with Auger Filler Machines, F.F.S with Cup Filler Machines and Collar Type Machines. For the food processing industry, we offer Kurkure Extruded Machines, Snacks Food Extruder Machines, Chips Slice Machines, 8 Triangle Pouch Filling Machines etc. These are widely appreciated for their durability, long lasting finish, low cost of maintenance and easy installation.

Our leading C&F agents assist us in efficiently carrying out transportation of the machinery to any destination around the world. The streamlined infrastructure is part of our functioning as leading manufacturers of packaging machinery. Our primary motive is satisfying the customer, continually improving quality and upgrading technology.

Product Range

- Complete gutka and pan masala plant
- Spices processing and packaging
- Kurkure process and packaging plant
- Rice puff process and packaging plant
- Soya nugget process and packaging plant
- Potato chips process and packaging plant
- Namkeen process and packaging plant
- Tomato ketchup process and packaging plant
- Fruit juice process and packaging plant
- Popcorn processing and packaging (act II type) plant
- Liquid filling machines for bottles and pouches

A complete range of pouch packaging machines.



NEW 07 VL

Vertical Form/Fill/Seal Machine

Output	40-60 pouches/minute	
	Std	Large
Grammage	50 gms to 1000 gms	500 gms to 5000 gms
Size Range	min 70mm x 75mm	min 100mm x 100mm (ht)
	max 230mm x 325mm (ht)	max 350mm x 500mm (ht)
Weight	800 kgs	
Dimensions	1841 mm(l)x 1371mm(w)x 2687mm(ht)	
Applications	Detergent powders, salt, tea, sugar, rice, pulses, namkeen, instant drink powder, coffee beans, sweets, tablets, etc.	



2

NEW-08 AG

Vertical Form/Fill/Seal Machine

Output	40-60 pouches/minute	
	Std	Large
Grammage	50gms to 1000gms	500gms to 5000gms
Size range	min 70mm x 75mm(ht)	min 100mm x 100mm(ht)
	max 230mm x	max 350mm x
Weight	800 kgs	
Dimensions	1841 mm(l) x 1371mm(w) x 2662 mm(ht)	
Applications	Milk powder, spice powder, pesticide powder, instant mix powder, atta maida, coffee powder, glucose powder, malt powder etc.	



3

NEW-09 VL

Vertical Form/Fill/Seal Machine

Output	30-100 pouches/minute
Grammage	5gms to 200gms (depending upon bulk density)
Size Range	Min 65mm x 50mm(ht) Max 150mm x 220mm(ht)
Weight	440kgs
Dimensions	1253mm(l)x 857mm(w)x 2372mm(ht)
Applications	Detergent powders, salt, tea, sugar, rice, pulses, namkeen, instant drink powder, coffee beans, sweets, tablets etc.



4

NEW BAGGER-10

Vertical Bagger with Multi-head Weighing System

Weight Tracks	LINEAR	MULTIHEAD
	From single track up to six tracks	10 head /14 head
Output	From 7 cycles up to 15 cycles per minute per track	50-100 dumps/min
Weighing Range	From 10 gms up to 1000 gms	10 gms - 500 gms
Weighing	Standard deviation within 1.0% Depending upon product characteristics	
Applications:	Dry snacks like namkeen, cheese balls, potato chips, popcorn, potato crackers, rice, tea, sugar granules, confectionery, nuts like cashews, pistas, almonds, raisins, detergent powder, pasta, vermicelli, biscuits, hardware like bolts, nuts, screws etc.	



5

NEW-11 Rewinding

Technical specifications :

Fitted with 2 HP AC Motor with 2 HP AC Drive, Pneumo-Hydraulic Edge Guide System web-guide and Encoder of 500 ppr for constant line speed feature.



6

New-12 Band Sealing

Technical specifications :

- Filling Speed : Depends on product and pouch
- Power Supply : Single phase, 220V, 50 Hz
- Power Consumption: 2 KW
- Covered Area : 620mm (w) x 1630mm (l)x2100mm(h) approx
- Machine Weight : 270 kg (approx.)
- Conveyor : Up-down adjustable according to pouch size

Application : This machine can be used for sealing pre-formed and pre-filled pouches.



7

New-13 Kurkure Extruder

Technical specifications :

A.C. Motor	:	20 H.P.
A.C. Drive	:	5 H.P.
Gear Motor	:	5 H.P.
Capacity	:	80-90 kg./hr.
Electric control panel		

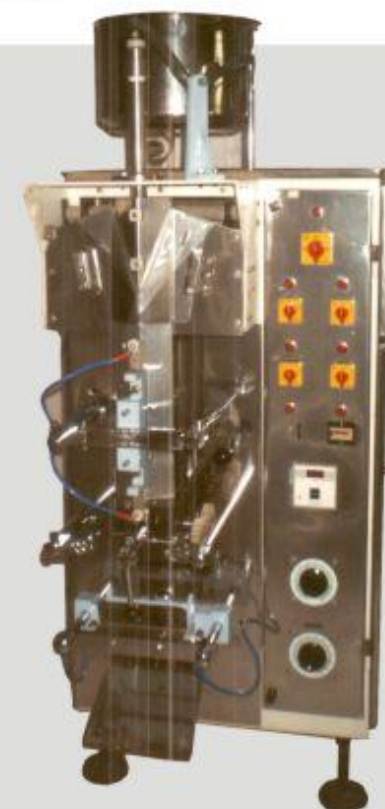


8

Automatic Mineral Water Packaging Machine

Technical specifications :

A.C. Motor	:	Gear
		1/2 H.P. & View Box
Capacity	:	28+32 pouches per minute
Electric control panel		



9

Soya Nuggets Extruder

Technical specifications :

A.C. Motor	: 50 H.P
D.C. Motor	: 1 H.P for material feeding
D.C. Motor	: 1 H.P for product cutting
Capacity	: 180-200 kg./hr.
Electric control panel	

We are manufacturer and supplier of energy food extruder that are used in various industries. Having production capacity 500



10

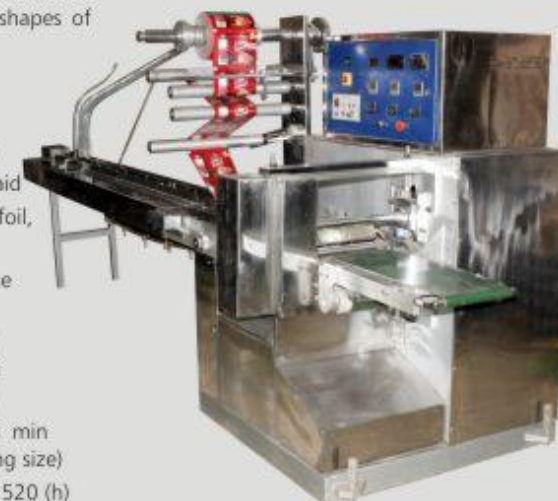
Automatic Pillow Pack Filling and Sealing Machine

Main Applications:

Instant noodles, biscuits, ice - bars, ice-pops, chewing gum, chocolate bars, choco-wafers, facial paper, soap, bars, jelly bars, dry cells, bakery items, cakes and other similar round, square, rectangular shapes of solid substances.

Technical specifications :

Net wt. :	1000 kgs	Gross wt. :	1500 kgs
Packing type	: Pillow pack and for said		
Packing Material	: Opp, Cpp, PET, alum foil, laminated etc.		
Main Drive Motor	: 2 HP, 20V single phase		
	50 - 60 Hz		
Packing size	: Length : 70-400 mm		
	Width : 50 - 180 mm		
	Height : 10-100 mm		
Packing Speed	: 60 - 150 Pillow packs min		
	(depending on packing size)		
Machine Size	: 4500 (l) x 950 (w) x 1520 (h)		



11

Tray Dryer

Technical specifications :

A.C. Motor	:	1H.P. (2 nos.)
Heater	:	6 no. (12 KW)
Capacity	:	100-150 kg/hr



12

Bucket Elevator

It is one of the most efficient systems used to feed material at multiple points, with a single in-feed point. Completely food grade, it is a must for every industry using a F.F.S. packing machine. Bucket elevator requires minimal floor space as it has the shape of 'Z' and the bottom part of the 'Z' is very small. The conveyor also incorporates an overflow/ recycle option, which helps in minimizing wastage / spilling / pilferage etc. The conveyor is completely modular and hence it is very easy to expand , clean and maintain. FABCON uses state of the art imported drive systems, electronic sensor and pneumatics, that ensure long life and ease of use without causing any problems.

Salient features of the bucket elevator

1. S.S. structure 10g out of plastic coated SS sheet.
2. Food grade polypropylene buckets (patent applied for.)
3. Low power consumption 1hp gear motor and VFD (Bonfiglioli) and electronic panel
4. All outlets are electronically controlled by sensors and activated by pneumatic cylinders (imported).
5. Suitable return arrangement for extra material.
6. Special design that ensures zero wastage / spilling of material at the feeding point.
7. Simple maintenance provisions for wet /dry cleaning of buckets in the most easy and optimum manner.
8. Flexible modular design configuration as per requirements, from single to multiple outlets in single machines. (Can be expanded for future requirements)



13

Automatic Form Fill Seal Machine

Application:

For packaging of powders, granules and liquids such as tea, wafer, nuts, rice, snacks, pulses, spices, shampoos, creams, oil, pan masala, tobacco etc.

Salient Features:

- Construction: All contact parts are made of stainless steel.
- Packaging size: Pouch length: 40-200 mm w : (Film width) 60-250 mm and 250-350 mm
- Packaging range: 0.5 gm – 100 gm (depending upon the product to be packed)
- Power requirement: Total: 2.5 KW max. Motor: ¼ - ½ HP. 50 HZ-220 volts single phase A.C.
- Filling System Options:
 - i) Volumetric Cup Filler (adjustable disc)
 - ii) Auger Filler
 - iii) Electronic Load Cell Weighing System



14

- Machine Dimensions (mm) : 850 (l) *600 (w) *1300 (h)
- Crate Dimensions (mm) : 950 (l) *775 (w) *1450 (h)
- Machine Weight: 380 kgs. (basic machine)

Optional Attachments:

- a) Coding System (Ink Coding/Hot Foil Stamping/Inkjet Printing)
- b) Batch Cutting Device
- c) Motorized Unwinding Device

Sealing Options

- Center seal
- 3 side seal
- 4 side seal
- Over Fill

VL



Liquid



AG



15

Rotary Roaster

Technical specifications :

D.C. Motor	: 1H.P.
Gear Box	: 2'
Heater	: 6 (2 KW)
Power	: 12(KW)
Capacity	: 50-100 kg./hr.
Length	: 12 feet

Electric control panel



16

Shifter Machine

Salient Feature

- Available in two models providing screening diameters of 500 mm and 750 mm.
- Portable – fitted with sturdy castors and occupies little space.
- Electric power requirement less than other machine of the kind. Power requirement are very much lower than units utilising reciprocating system.
- Standard units provided with TEFC motors operating on 440 Volts 3 phase supply. Flame proof motor fitted on request.
- Easy to install. Requires minimum maintenance.
- Double and triple deck screens with out-let and hopper for bottom deck available on request.
- Easy dismantling and cleaning of screen.
- All contact parts and screens of stainless steel.

Application

Chemicals, Pharmaceuticals, Dyestuff and colours, Food products, soaps and detergents Cosmetics, pesticides and fertilizers, Paper and paper products and Scrap recovery, Resin, Paints, Polysters, Minerals, Fruit juice, China Clay, Rubber compounds, Fillers, Straining syrups, Suspended impurities from liquids & oils on continuous use, Cheese, Metal powders, Liquid glazed clay, Animal feed etc.



17





NATIONAL ENGG. WORKS

A COMPLETE SOLUTION FOR FOOD PROCESSING & PACKAGING MACHINES

B-61, Sector 8, Noida 201301, Uttar Pradesh, India

Mob. : 9810901495, Telefax : 91-120-4287921

e-mail : nationalenggwork@gmail.com

website : www.nationalenggwork.com