



TM

FANS BRO ERECTORS®

Fabrication, Erection & Commissioning of Eqpts.; Vessels
 For Chemical Plant, Atomic Power Plants, Dairy & Food Processing Industries.
 Reg. Office – 401, 74, 'Shubh Ashirwad', Jayprakash Nagar, Goregaon (East) Mumbai-400063
 Web Site – www.fansbroerectors.com www.roastermachines.com
 E-mail – fansbroerectors@yahoo.co.in Telephone – +91- 9869205200 / 9322244014

“ROASTER”

We are pleased to introduce you, this versatile machine designed for Mixing, Roasting granules/powders. It is most suitable for Chemical, Pharmaceutical, Foods Processing, Spices, & Pickle Industries.

GENERAL:

The machine is available in Two types of models viz. **Mixer & Roaster** (with Heating system). This Mixer cum Roaster Machine is available in **Capacities ranging from 10 to 1500 kgs.** The machine is available in **GMP Models** also.

The Roasting Machine can be used for roasting various types of products like Onion, Coriander, Coconut, Spices, for removing moisture and increasing shelf life of Powder, Chemicals etc. with special types of valves. The same machine can be used for preparation of Snacks foods such as *IDLE / UPMA / GULABJAMUN* Premix including heating of oil, and deep frying of components such as Dhaniya, Mustard, Ground nuts, *Mirchi, Kadipatta* in oil. In these products the moisture evaporation is more and drip age of condensed water in product is not acceptable. We had specially developed the system for moisture evacuation along with condensed water trapping and removal system which can be implemented as per product and customer requirements. Keeping the heating system off the same machine can be used for mixing any type of Powders, Spices powders, Pickles etc.

The Mixer machine can be used for blending various types of products in Powder, like, Chilly, clove, Fenel, Black Pepper, Cardamom, Turmeric, dry Ginger etc, and Granule products, products in Paste form, for various processing industries such as Chemical, Pharma, Cosmetic, Cattle feed etc. for more information please refer the enclosed chart.

We had recently supplied & commissioned the FOUR Nos. complete blending system from raw material conveying to Pre – packing stage for “**Nycil**” prickly heat Powder for M/s. Manisha Pharmoplast P.L. (For M/s. **HEINZ LTD.**) at their plants in Gujarat & Haridwar, having batch size of 3900 Ltrs. (1500 KGS.), 2 Nos. 1200 Ltrs. capacity Roaster in complete Stainless Steel construction to M/s. **MTR FOODS**, Bangalore & exported the 1000 Kg. batch capacity Roaster Machine to **Huston USA**.

We herewith also like to inform you that our Roaster machine is approved by M/s. **American Soybean Association (ASA)**, Asia sub Continent, Delhi regional office for Soya bean processing.

We are proud to say that our about 200 Machines are serving various Industries all over INDIA, & we have also Exported our machines to various Countries in Asia & Gulf.

CONSTRUCTION:

The Blender fabricated in U shaped sturdy body, having top cover and bottom discharge valve has centrally mounted longitudinal shaft on which Spirals ribbons are mounted. Our *specially designed spiral ribbons* gives the best blending results due to *Three dimensional action*. Thus every particle comes equally in contact with the heating zone and being *roasted equally*. The Roaster machines are available with options as per customer requirements, having Full Stainless Steel, OR with contact parts in Stainless Steel and Non contact parts in Mild Steel with Enamel / Epoxy paint.

In conventional Roasters the heating is achieved through the Jacket filled with special purpose heating oil which is heated through Electrically operated oil immersed heaters. The heating temperature is controlled through digital temperature controller which can be achieved up to 250 Deg. C.

The production with conventional electrically heated roaster has been affected due to recent power crises, the cost of the generator power with high electrical load is defiantly not affordable. Considering these problems we had recently developed the Roasters with LPG (Gas) heating arrangements. It has all that advantages which electrically operated roaster has such as Auto electronic operating, temperature controlling system etc. The heating temperature can be achieved easily in very short time up to 350 Deg. C., which is achieved with hot generated air circulated through specially designed heating jacket.

ADVANTAGES:

- Improves the consistent quality – Auto Temperature setting, Homogenous mixing, No carbonization of Material as minimum gap between shell & ribbons.
- Improves Hygienic condition – Minimum hand contamination, avoids dusting of Material, all contact parts made of Stainless Steel.
- Reduction in Labour cost.
- Increases Production.

ADDITIONAL ADVANTAGES FOR LPG ROASTER:

- Can be operated at higher temperature up to 400⁰ C. compare to electrical roasters – 225 deg. C.
- Heating starts immediately no need to pre heat the machine, compare to electrical Roasters.
- **Reduction in production cost up to 15% compare to electrical Roasters.**
- Increases Production, as roasting is achieved in less time.

What you can do apart from Mixing / Roasting with special attachments:

- Machine can be designed to **cool the roasted products** through cooling water circulating jacket along with the cooling tower. Specially for inline product systems, such as ready to cook items (Upma, Idli, Dhokla, Gulabjamun pre-mix), chilly powders etc.
- Add small amount of Powders – Colours, Concentrates etc.
- Add small amount of Liquids – Essences etc. with Spraying System.
- Break lumps & agglomerates formed during Mixing, while adding Liquids by Lump cutter system.

What do you do:

Write / send mail or Fax us for more details giving your application. Further you can visit our works for conducting trials on our demo Mixer with your material to verify the performance of our Machine / product development.

Awaiting for your positive response

Thanking you

Yours truly,

For FANS BRO ERECTORS

(C.R.PHANSALKAR)

SOME OF THE APPLICATIONS OF MIXER CUM ROASTER

- | | | |
|--------------------------|--------------------------|---------------------------|
| • Abrasives | • Flours | • Powders |
| • Agrochemicals | • Fungicide - treatments | • Salts |
| • Animal feed | • Gulab jamun pre - mix | • Snacks |
| • Cereals | • Metal powders | • Spices |
| • Coatings | • Milk powders | • Soya beans |
| • Chemicals | • Pet foods | • Soups Premix |
| • Detergents | • Pesticides | • Starch |
| • Explosives | • Pickles | • Sugar |
| • Fertilizers | • Pharmaceuticals | • Thermosetting - Powders |
| • Fire Exting. - Powders | • Polymer chips | • Talcum Powders |
| • Fish foods | | • Vitamins |

Correspondence Address:

Mr. C.R.PHANSALKAR

M/S. FANS BRO ERECTORS

401, PLOT NO. 74 'SHUBH ASHIRWAD'

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WORKS -

11 D/E, VIMAL INDUSTRIAL ESTATE

NAIK PADA, VILL: WALIV,

POST – VASAI EAST DIST. – THANE,

PIN - 401208

PARTIAL LIST OF SATISFIED CUSTOMERS OF MIXERS / ROASTERS**1. SPICES & PICKLES****□ PUNE**

- PRAVIN MASALE
- KAMDHENU MASALE
- KEPRA MASALE
- CHILLAD PRODUCTS
- BHANDARY FOOD PRODUCTS
- RATHI FOODS
- CHANDAN FOODS
- R.J. PRODUCTS
- PRAKASH KOLHAPURE MASALE
- RAJ PRODUCTS
- SAGAR MASALE
- NITI GRUHA UDYOG
- PRASHANT FOOD PRODUCTS
- KASHMIRI PRODUCTS

□ MUMBAI

- ALL SEASON FOODS
- APNA BAZAR CO- OP.
- AMRUT MASALE
- FOODS & INNS
- GANESH GRINDING MILLS
- JAIRAM DAS KHUSHIRAM
- KEDAR SPICES
- KWALITY FOODS
- LAXMI ENTERPRISES
- MAJETHIA MASALE
- P.B.KHAMKAR & SONS
- SWANI SPICE MILLS
- VINAV MASALE
- VAIDEHI PRODUCTS.

□ AMRAVATI – GHARKUL FOOD PRODUCTS.**□ AURNAGABAD – JAIN AGRO & FOOD PROD. , SONI FOODS, PANCHANAND LAGHU GRUHA UDYOG, SURUCHI MAHILA GRUHA UDYOG****□ AHAMADABAD – TALOD GRUHA UDYOG****□ AHAMADNAGAR – M EGHANAND FOOD PROD.****□ BANGLORE – MTR FOODS LTD., ITC LTD., EASTERN SPICES,****□ CHENNAI – HEYLAND EXPORTS PVT. LTD. , SGR(777) FOODS PVT. LTD.****□ COCHIN – BUENA VIESTA INTRN, SYNTHITE CHEMICALS, VALLABHDAS KANJI LTD.****□ COIMBTOR – INDIAN PRODUCT LTD.(JAYANTI GROUP)****□ GOA – VAISHALI FOODS****□ HYDRABAD - SWASTIK MIRCH MASALA, SOUTH INDIA SPICES, SOYA RICH PROCUTS.****□ HUBLI – R.N. FOODS****□ INDORE – DAVE MASALE, DHAMEJA HOME INDUSTRIES, CHOPRA FOOD PRODUCTS.****□ JALGAON – NAVALPRABHA FOODS, NILONS ENTERPRISES, SHANTI SPICE MILLS****□ KANPUR – GOLDIEE MASALE, SPIPICK INDIA., BHOLA INDISH MASALE****□ KOLHAPUR – RAJ PRODUCTS, SHRIKANT & CO., SURESH & CO. , RUCHIRA FOOD PRODUCTS****□ LONAVALA – KISHOR MASALE****□ NADIYAD – K.M. INDUSTRIES****□ NAGPUR – SURUCHI MASALE, SHREE GANESH ENTRPRISES.****□ NASHIK – EMPIRE SPICES, RAM BANDHU MASALE, SHREE SAMRUDHI FOODS****□ SANGLI – GORE MASALE.****□ SATARA – B.A. KATDARE, ASUVARA MASALE, RUCHI PRODUCTS****□ VIJAYWADA – AGRI GOLD FOOD & FARM PRODUCTS PVT. LTD.****2. CHEMICAL**

- DAMAN – ARTEK SURFINE CHEMICALS.
- KERLA – SYNTHITE INDUSTRIAL CHEMICALS LTD.
- MEERUT – OLIMPIC PETRO CHEMICALS.
- MUMBAI – ARTEK SURFINE CHEMICALS, GROWER & WELL LTD., RASHTRIYA CHEMICALS & FERTILIZERS LTD.
- Bhabha Atomic Research Centre
- NAGPUR – RATAN MINERALS
- NOIDA – GROWEL COMETS
- VAPI – SA PHARMACHEM PVT. LTD.
- PATNA – VOLTRA ELECTRONICS
- SURAT – GARDEN SILK MILLS
- THANE – ARTEK SURFINE, CHEMSIN INDSTRIES, NARVIN CHEMICALS, FRANCO CHEMICAL INDUSTRIES

3. SOAP & POLISHING COMP.

- MUMBAI - ACME SYNTHETICS LTD.
- BARSHI - DEEPAK SOAPS
- THANE - NARVIN CHEMICALS

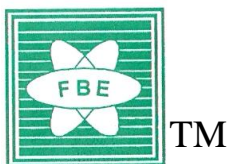
4. DRUGS, PHARMACEUTICALS & COSMETICS

- NASHIK - HEXAGON CHEMOILS
- UMBARGAON - MANISHA PHARMOPLAST
- HARIDWAR - MANISHA PHARMOPLAST
- NAGPUR - PUMA HERBALS
- SARIGAM - PHARMACELL
- RATNAGIRI - RATNAGIRI DRUGS
- KANDIVALI & VASAI - SUN PULVARISING
- VAPI - UNITED CHEMICALS.
- DOMBAVALI - WESTERN INDIA PHARMACEUTICALS

5. ANIMAL FEED

- PUNE - GROWELL INDUSTRIES

➤ EXPORT –U.S.A., U.A.E., SULTANATE OF OMAN, ISRAEL, ZAMBIA, BANGLADESH, NEPAL.



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LIST OF SATISFIED CUSTOMERS USING LPG ROASTERS

S. NO.	DATE	CAPACITY	PARTY	ADDRESS	PRODUCT
1	OCT 2007	190 L	BHOLA GRANDSONS FOODS PVT. LTD.	BHIWANDI	SOFF
2	DEC 2007	500 L	SGR (777) FOODS PVT. LTD.	CHENNAI	SPICES
3	APR 2008	190 L	VAIDEHI PRODUCTS	JALNA	SPICES
4	APR 2008	500 & 750 L	HEYLAND EXPORTS P L.	CHENNAI	SPICES
5	MAY 2008	190 L	KULDEEP INDUSTRIES	KARJAT	PULSES
6	OCT 2008	300 L	G. SURGIWEAR P.L.	SHAHJHNPUR, UP	SPICES
7	OCT 2008	300L	MEHK CHEMICALS	RABALE	CHEMICALS
8	FEB 2009	1200 L	SPIPICK INDIA PVT. LTD.	KANPUR	GULABJAMUN
9	FEB 2009	1200 L	SAFAL FOODS PVT. LTD.	NAGPUR	SPICES
10	JUN 2009	500 L	ARCHANA OIL N CHEMICALS	RAIGADH	PULSES
11	AUG 2009	500 L	OMKARNATH FOOD PROCESSING LTD.	PUNE	SPICES
12	AUG 2009	240 L	GAYATRI MASALA EXPORTERS	KHEDA, GUJRATH	SPICES
13	MAY 2010	340 L	HALDIRAM INTERNATIONAL	NAGPUR	SPICES
14	MAY 2010	240 L	SAOJI SPICES PRODUCTS	NAGPUR	SPICES
15	MAY 2010	340 L	CHANDAN MUKHWAS LTD.	MUMBAI	MUKHWAS
16	JUN 2010	500 L	SWANI SPICES MILLS	MUMBAI	SPICES
17	JAN 2011	2200 L	AGRIGOLD FOOD & FARM PRODUCT P L	VIJAYWADA	SPICES
18	JAN 2011	750 L	NHC INDUSTRIES	VAPI	SPICES
19	AUG 2011	750 L	AVON AGRO INDUSTRIES	DELHI	SPICES
20	AUG 2011	240 L	SAI PRODUCTS	PUNE	AYURVEDIC
21	MAY 2012	2200 L	SWANI SPICES MILLS LTD.	MUMBAI	SPICES
22	MAY 2012	2200 L	SURUCHI SPICES	NAGPUR	SPICES
23	AUG 2012	4400 L	LAXMI ENTERPRISES	MUMBAI	SPICES
24	AUG 2012	240 L	SRI MAITRI ASSOICATION	DAVANGIRI	CEREALS

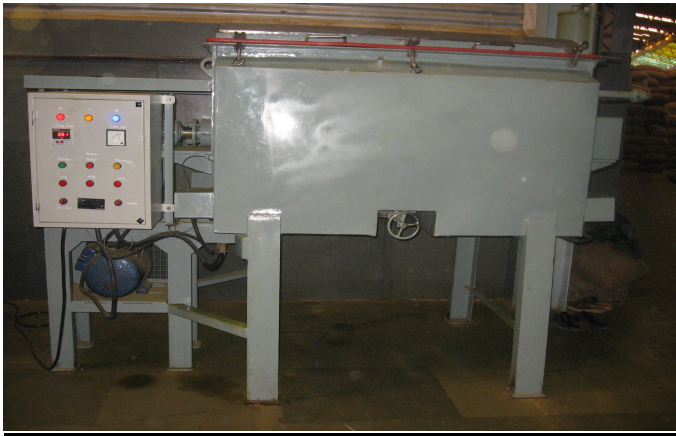
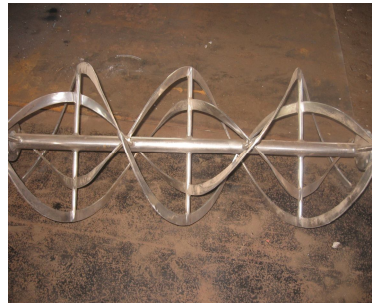
GMP MODEL ROASTER MACHINE

ELECTRICALHEATING 1200 LTRS.



LPG GAS HEATING 4400 LTRS.



CONVENTIONAL TYPE ROASTER MACHINE WITH ELECTRICAL HEATING JACKET**ROASTER MACHINE WITH LPG GAS HEATING ARRANGEMENT****TYPICAL RIBBONS / BLADES ARRANGEMENT****OTHER FIELD OF ACTIVITIES**

- 1 **FOOD PROCESSING** – Machines for Fruit Washing, Peeling, Slicing, **Raw Mango Halfling and Cutting machines**, Pulper, Fruit Mill, jacketed Kettles, Storage Tanks, Coating Pans etc.
- 2 **DAIRY** – Road Milk Tankers, Storage Tanks, Milk Processing Equipments, Spray Driers.
- 3 **CHEMICAL, PHARMA** – Reactors, Distillation Units, Pressure Vessels, Heat Exchangers, Storage Tanks, Mixers, Piping, Equipment Erection.
- 4 **ATOMIC POWER PROJECTS** - Piping, Ventilation System, Structural Works, Cold & Hot Insulation, Sandblasting & Painting works.

Specialization for '**Metallic Reflective Insulation**' & '**Jacketed Insulation**' Approved by
NPCIL – TARAPUR ATOMIC POWER STATION