



PUMA **FEC**

ROASTER - SERIES

Semi Auto / Auto Roaster

MULTI PURPOSE USAGE
DRUM TYPE ROASTING
EQUIPMENT FOR ROASTING
MIXING, SEASONING
COOKING & FLAVOURING.

pumafec.com

PUMA FEC

Roasting of oil seeds, pulses, cereals, spices, snack foods are traditionally practiced in India for enhancing the storage life thus improving the Organoleptic Properties.

PUMA FEC Roasting Machine is equipped with indigenous design using high quality manufacturing techniques.

For daily use multi-purpose, we have designed and manufactured Drum type Roasting Machine which comes in two variants, Conventional and Auto.

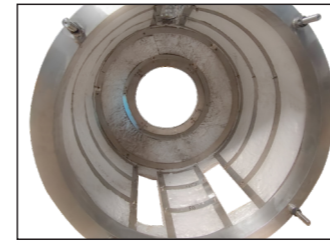
There are various features like Recipe, Time Clock, Auto Unloading, HMI with PLC Control / Auto Ignition, Forward / Reverse, (VFD) Variable Speed with Temperature Control, Hydraulic Tilting, Single Phase and Auto Tilting in case of Power Cut-off through bypass release valve.

The same machine can perform, Roasting, Mixing, Cooking, Seasoning & Flavoring.



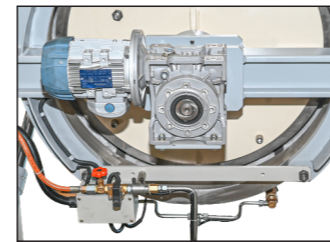
Food Grade SS-304 Stainless Steel used for Inner and Outer Drum and Mixing blades

Temperature Cut-off Sensors provided



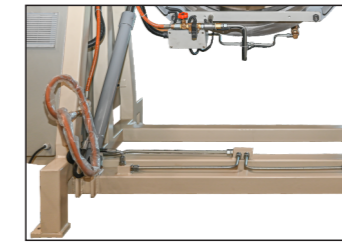
High Class Silicon Blanket Insulation up to 1200° C

Adequate exhaust provided on top of outer drum



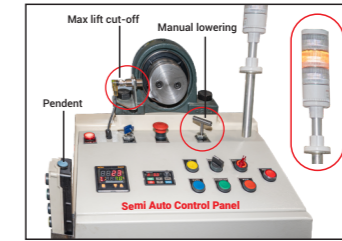
Heavy duty bearing housing for heavy loads, Vibration free and Noiseless operation

Italian make Gear Motors used for drum rotation



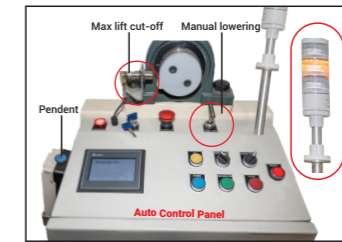
Gas Solenoid control with heavy metal piping for leak proof

Auto Ignition flame detectors provided



Ignition, Emergency stop up/down & rotation controls

Sensors for maximum lift cut-off & indicator tower lamp provided



Pendent control for operator's visible comfort

Manual lowering valve provided in case of power failure

We Provide the best roasting equipment for our customers.

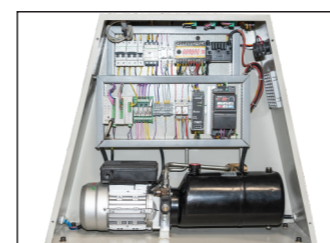
On the way to this target, we use the latest technology and the newest engineering methods in order to maintain the best quality!



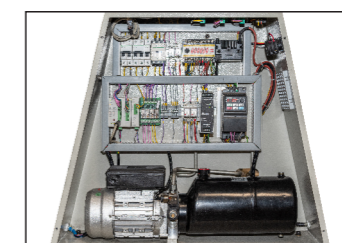
German Hydraulic Technology for lifting and lowering operations



Pallet truck provision to move roasting machine as per convenience



Conventional Panel (Semi Auto)



PLC Integrated Panel (Auto)

Human Machine interface operating panel (HMI)

Product wise recipe options

Auto Batching counter

TECHNICAL SPECIFICATION

SEMI AUTO

AUTO

	R250 S	R500 S	R750 S	R250 A	R500 A	R750 A
230 V 50/60HZ 1 Phase 2.2KW	✓	✓	✓	✓	✓	✓
PLC Control Panel	x	x	x	✓	✓	✓
Conventional Control Panel	✓	✓	✓	x	x	x
AC Drive / Motor With Gear Box	✓	✓	✓	✓	✓	✓
SS Cutter	✓	✓	✓	✓	✓	✓
Capacity 250 Ltrs	✓	✓	✓		✓	✓
Capacities Available 250 / 500 / 750 Ltrs	✓	✓	✓	✓	✓	✓
All Type of Pluses / Grains / Spices / Instant Mixes / Coffee Beans and More	✓	✓	✓	✓	✓	✓
LPG	✓	✓	✓	✓	✓	✓
Machine Dimension (L-1800 x W-1800 x H-2080 mm)	✓	-	-	✓	-	-
Approx. Weight of The Machine	910	-	-	872	-	-
SS 304 With Combination of Food Grade Materials	✓	✓	✓	✓	✓	✓



There are two types of PumaFec Roasting Machines i.e., Semi Auto (Conventional Type) and Fully Auto (PLC integrated).

The inner and outer drums along with mixing plates are made of food grade SS-304 stainless steel material. Roasting Machine is provided by high class silicon insulation with temperature resistant up to 1200° C.

Temperature control, temperature cut-off sensor, auto ignition, emergency button, tower lamp indicator lamp, auto cut-off at maximum lift height, manual lowering valve for tilting during power failure are some default features for both type of machines.

Specially designed Heavy duty bearing housing coupled with Italian Gear Motor makes our machines vibration free takes cares of heavy loads and smooth operations.

Thanks to German Hydraulic Technology for lifting and tilting operations. Our equipment is fitted with auto ignition flame detector, gas solenoid control with heavy metal piping for leak proof.

Semi Auto version is controlled by conventional control panel and Fully Auto version is controlled by Programmable Logic Controller (PLC) Panels.

FEATURES AVAILABLE	SEMI AUTO			AUTO		
	R250 S	R500 S	R750 S	R250 A	R500 A	R 750 A
Single phase in-put / Domestic power.	✓	✓	✓	✓	✓	✓
Bi-Directional rotation of the Drum.	✓	✓	✓	✓	✓	✓
clear visualization and simple operation	✓	✓	✓	✓	✓	✓
Set variable speeds as per the requirement	✓	✓	✓	✓	✓	✓
Actual product temperature reading sensor	✓	✓	✓	✓	✓	✓
Auto ignition system with fully safety circuit	✓	✓	✓	✓	✓	✓
Automatic temperature cut-off & on system	✓	✓	✓	✓	✓	✓
Digital temperature control	✓	✓	✓	✓	✓	✓
Max cut off limit switch	✓	✓	✓	✓	✓	✓
Hydraulic Drum up/down system	✓	✓	✓	✓	✓	✓
Manual override during power cut/change over	✓	✓	✓	✓	✓	✓
Smart status indicator (Tower lamp)	✓	✓	✓	✓	✓	✓
Human Machine interface operating panel (HMI)	x	x	x	✓	✓	✓
Product wise recipe options	x	x	x	✓	✓	✓
Auto Batching counter	x	x	x	✓	✓	✓
Programmable Logic Controller Panel (PLC)	x	x	x	✓	✓	✓

Please Contact PUMA FEC for

- Rotary Drum Type Roaster
- Continuous Roster - LPG & Electro Magnetic
- Pin Mill
- Hammer Mill
- Pounding Machine
- Mixing Machine
- Tray Dryers
- Continuous Dryer
- Nuts Coating Machine

To support your requirements,
PUMA FEC can bring
 knowledge, experience and
 technology to your next project.

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