

# EXPANDER / EXTRUDER





## INTRODUCTION

"PRAGYA" was established in the year 1992 to cater the needs of solvent extraction plants and initially developed innovative hydraulic Autorun with Expander/Extuder upto the capacity of 500 T.P.D.. Over the time, Pragya's commitment to excellence has resulted in the development of most advanced Expander/Extuder with the capacity of upto 1500 T.P.D. for *soya seeds* and with the capacity of upto 750 T.P.D. for *rapseed, sunflower, safflower, ricebran, cotton seeds and castor cake etc.* in five different models.

Pragya's Expanders are robust in construction, smooth in operation and are maintenance free. The machines are supplied with auxiliary equipment (optional) like-squeezomatic, dieplate, autorun, adiabatic accumulator, gearbox etc.

## SALIENT FEATURES

- Supplied with full length barrel sleeve on demand.
- 20MnCr5 material duly hardened used in worms and sleeves for longer life.
- Power pack design with auto-tripping arrangement, low power consumption (0.5 H.P.) and that too running intermittently.
- Low A.I.S. (Acetone Insoluble) oil produced when operated at 75% of the rated capacity using lesser open steam at lower R.P.M.
- Either increases the plant capacity by 20% or decreases 20% oil content in the D.O.C..

## CAPACITY CHART (TPD)

MODEL	SOYA	RAPSEED SUNFLOWER etc.	POWER(HP)	SOYA (For Low AIS)	POWER(HP)
PREX-8	300	150	100	225	75
PREX-9	400	200	125	300	100
PREX-10	500	250	150	400	125
PREX-12	1000	500	250	750	200
PREX-14	1500	750	400	1100	300



**DRIER COOLER / MEAL COOLER**

### **DRIER / MEAL COOLER**

**CAPACITY : 100 T.P.D. to 1500 T.P.D.**

Heavy duty & maintenance free with S.S. 304 perforated screens, geared motors, modular steam radiators cyclones, perfectly designed air blowers and full length screw conveyor for fines collection.



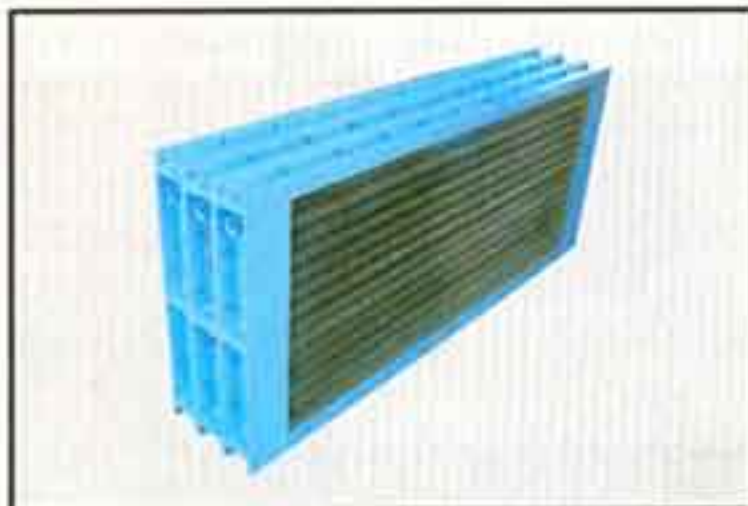
**HYDRAULIC FLAKERS**

### **FLAKERS & CRACKERS**

**CAPACITY : FLAKER-120 T.P.D. to 400 T.P.D.**

**CRACKER-100 T.P.D. to 400 T.P.D.**

Floating roll design, heavy duty frame duly stress relieved, supplied with or without rolls as per demand.



**MODULAR RADIATOR**

### **MODULAR DESIGN STEAM RADIATORS**

**CAPACITY : 33 sq. mtrs. surface area to 2000 sq. mtrs. as per demand.**

Modular design is our latest innovation which helps in easy cleaning, replacement and additions. Modules can easily be added one after another as per expansion needs.

Made in M.S., S.S. tubes & G.I., Aluminum, Copper, S.S. Fins.



## HYDRAULIC BAG STACKER.

We have pioneered in design and have developed innovative hydraulic bag stacker. Its capacity is 25 to 100 T.P.H. and it can help in stacking bags in godown up to 25 feet high. This is a light weight portable belt conveyor which moves up & down with telescopic hydraulic cylinder. This also help in loading the trucks at a very high speed & specially when the railway rack is to be loaded.



## OTHER PRODUCTS

- Lecithin Plants up to 10 T.P.D..
- Spent earth oil recovery plant up to 10 T.P.D..
- Equipment for Solvent extraction plant & preparatory.
- Material handling equipment.
- Hydraulic cylinders & accumulators.

## AWARDS :

Our Team consists of highly experienced Directors, G.M.s & Works Managers headed by Chairman Mr. L.C. Tolani, who has received the National Award for outstanding SSI entrepreneur from the Honourable Prime Minister of India Shri Atal Bihari Vajpai on 30th Aug. 2000 at Vigyan Bhavan, New Delhi.



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