



FILTER PRESS



- ▲ FULLY AUTOMATIC MEMBRANE FILTER PRESS
- ▲ SEMI AUTOMATIC FILTER PRESS
- ▲ SS FILTER PRESS



EDIBLE OIL



ETP / STP



CERAMIC

PASSION FOR MANUFACTURING EXCELLENCE

Established in the year 1995, Isha Engineering & Co is an ISO 9001:2008 company as a **filter press and hydraulic equipments** manufacturer has developed a wide range of innovative products.

Never satisfied with status quo and we have to constantly ask ourselves to produce better technologies or innovations and enhancement of quality. We have to exceed the expectation of the customer which requires a challenging spirits. These effort represent 'passion for manufacturing excellence'

Types of Construction :

- ▲ Recessed
- ▲ Plate and Frame
- ▲ Membrane Plate
- ▲ Caulked & Gasketed
- ▲ Wash - Non wash option
- ▲ Different Feed eye options
- ▲ High Pressure applications



Chamber Filter Plate



Gasketed Filter Plate

Advantages

- ▲ Less moisture in cake
- ▲ Lesser Cycle time
- ▲ Efficient washing
- ▲ Low feed pressure
- ▲ Higher Filtration Capacity



Membrane Filter Plate

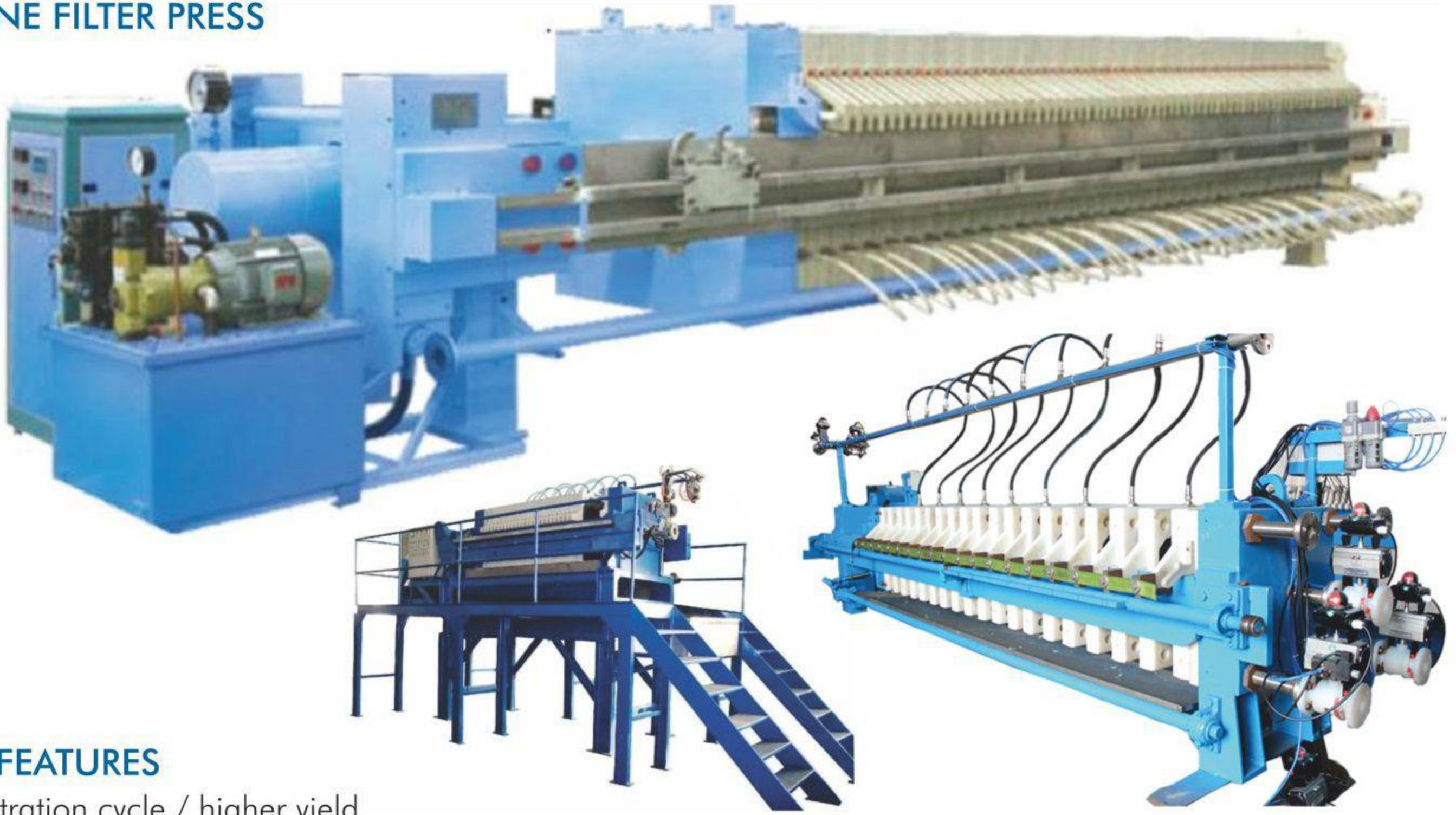


Plate & Frame

APPLICATION :

- | | |
|----------------------------------|--|
| Effluent treatment plants | : Textile, Paper, Leather, Jute, Sewages, Industrial & Municipal waste water. |
| Ceramics | : Clay, Porcelain, Fine earth, Marble and Granite |
| Metallurgy | : Electroplating & Electro Polishing, Steel Mill Waste, Nickel, Copper, Zinc, Lead, Silver etc. |
| Pharma Industries | : Antibiotic, Syrup, Intermediates and Bulk Drugs. |
| Chemical Industries | : Basic Chemicals, Organic & Inorganic, Resins, Starch, Enzymes, Pesticides, Activated Clay, Phosphoric Compounds, Marine Chemicals. |
| Dye Stuffs | : Pigments, Dyes, Intermediates |
| Food Industries | : Vegetable Oils, Cane Juice, Food Colors, Soups, Distilleries, Dairies & Hotels. |

MEMBRANE FILTER PRESS



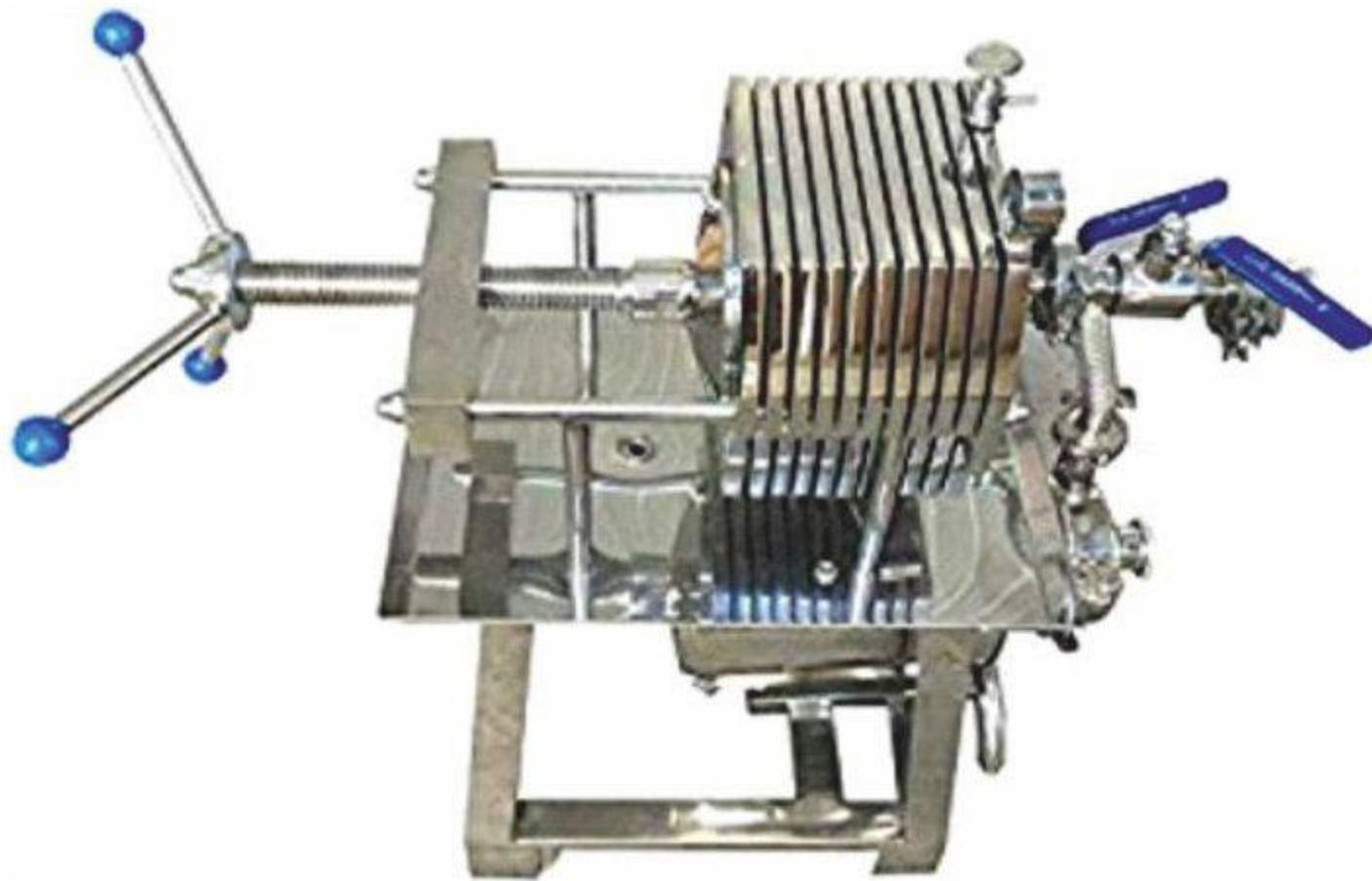
SALIENT FEATURES

- ▲ Short filtration cycle / higher yield
- ▲ Fully automatic Filtration cycle
- ▲ Automatic Plate Shifting
- ▲ Automatic Cake Discharge
- ▲ Food grade / Commercial Designs
- ▲ Safety light curtain
- ▲ Optimised pumping system
- ▲ PLC Control System
- ▲ Air Core blow
- ▲ Auto Cloth Washing
- ▲ Auto Trip Tray and Conveyor

TECHNICAL SPECIFICATIONS

- ▲ Plate size ranging from 615 x 615 to 2000 x 2000mm
- ▲ Membrane : PP / EP
- ▲ Controls : Fully Automatic / Manual
- ▲ Hydraulics : upto 400 tons
- ▲ Complete automatic cycle operation
- ▲ Chamber depth : 25, 40, 50mm
- ▲ Feed : Centre, Corner
- ▲ Operating pressure : 8, 16, 20 bar

SS POLISHED FILTER PRESS



SPECIFICATIONS

- ▲ Structure : Mild steel (SS cladding)
- ▲ Operating pressure: upto 0-8 bar,
- ▲ Max. Operating Temp : 120°
- ▲ MOC of filter plate : Stainless steel



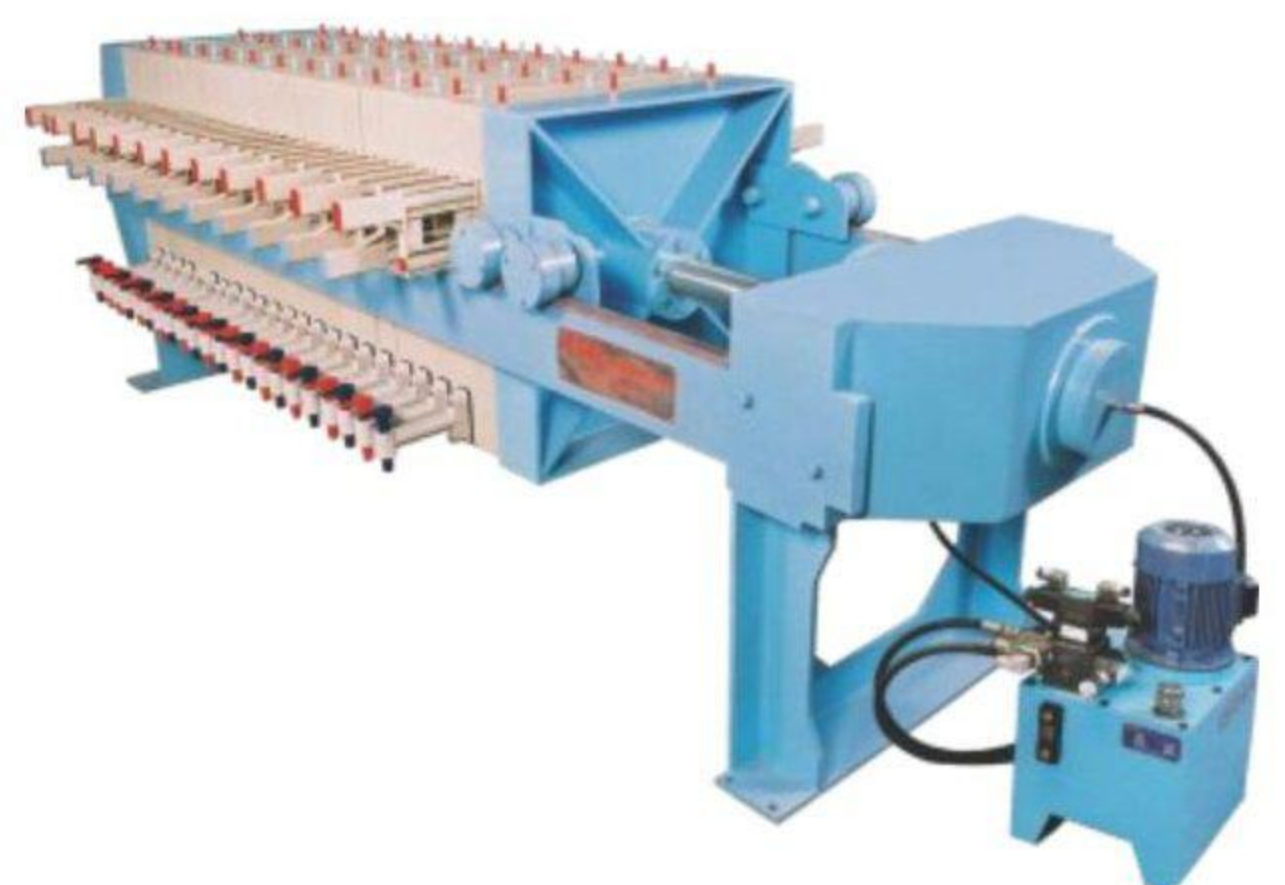
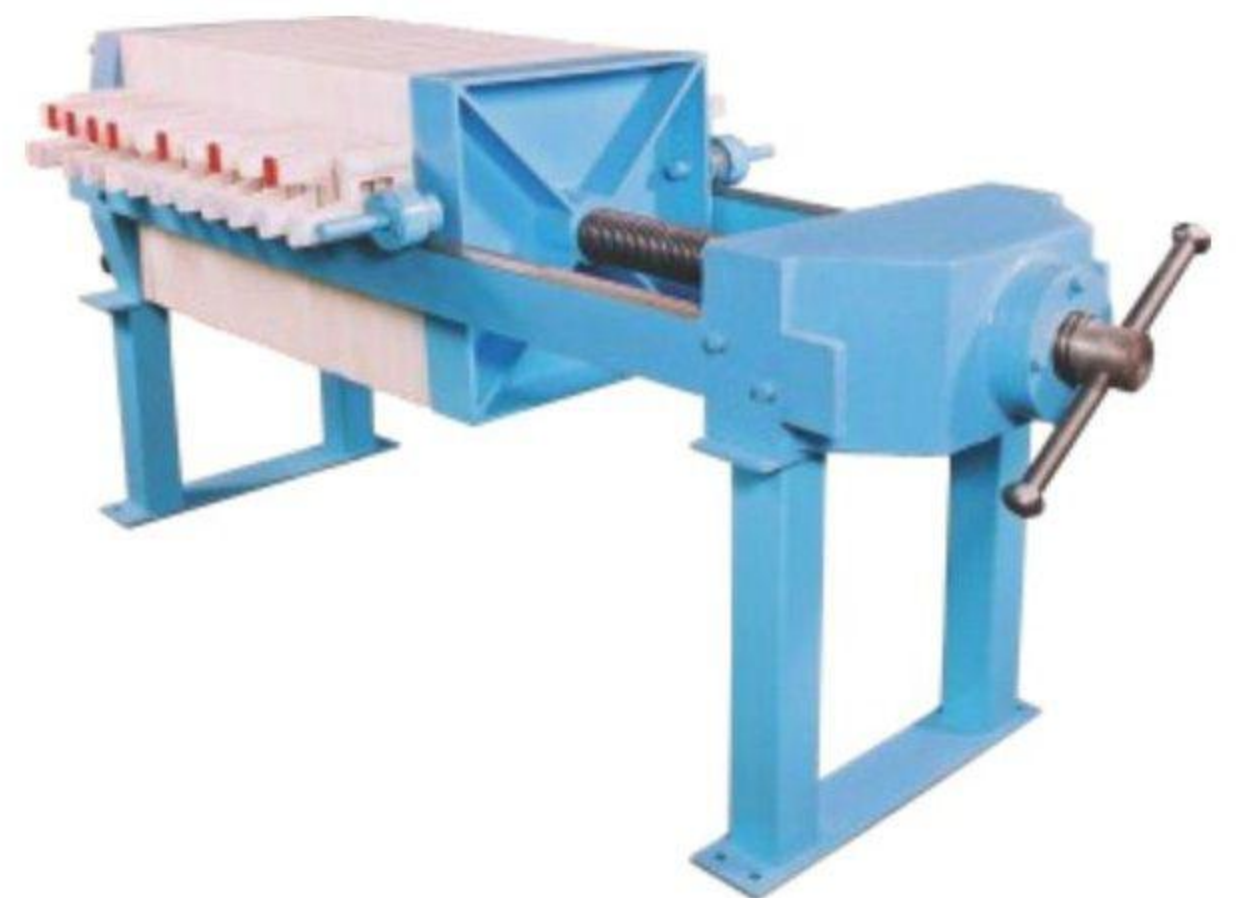
AUTOMATIC FILTER PRESS



SPECIFICATIONS

- ▲ Structure : Mild steel
- ▲ Operating pressure : upto 0-24 bar
- ▲ Max. operating Temp : 90°
- ▲ MOC of filter plate : PP

SEMI-AUTOMATIC FILTER PRESS

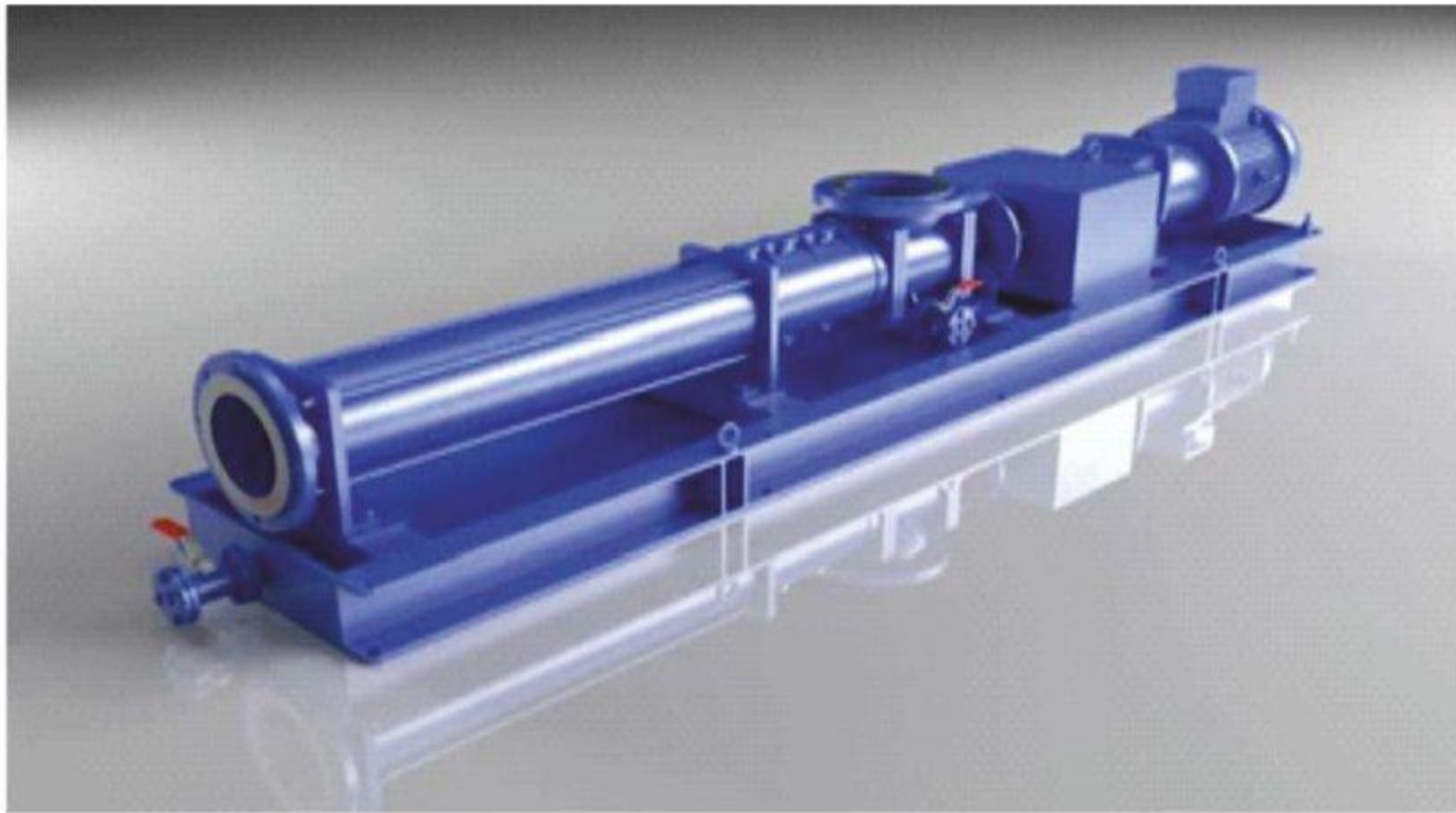


FILTER PRESS SIZING CHART

Volume in liters		25	50	100	250	500	750	1000	1500	2000	2500	3000	3500	4000	4500	5000
Plate Size 470mm	No. of plates	7	12	25												
	Filtration Area M ²	1.8	3.3	7.3												
	No. of plates			13	35	71										
	Filtration Area M ²			6.2	17.6	36.3										
	No. of plates				21	41	61	81	121							
	Filtration Area M ²				18	35.9	53.8	71.8	107.6							
	No. of plates					27	41	55	83	111	139					
	Filtration Area M ²					33	50.8	68.6	104.1	140	175					
	No. of plates						35	47	71	95	117	141	165			
	Filtration Area M ²						50	67.8	103.3	138.7	171.1	206.5	242			
	No. of plates							31	45	59	75	89	105	121		
	Filtration Area M ²							68	100	132	168	200	236	272		
	No. of plates								31	41	53	63	73	83	95	105
	Filtration Area M ²								104	140	181	215	254	285	327	362

Note : Dimension are appropriate for 30 mm cake thickness and may vary for options chosen.
 Cake Thickness are available with 25mm, 30mm, 40mm, 50mm.

OIL FEED PUMP



PUMP SPECIFICATIONS

- ▲ Flow rate : upto 100 m³
- ▲ Pressure : upto 24 bar
- ▲ Moc – CI / SS
- ▲ Stator - Nitrile Rubber
- ▲ Rotor – EN 8 / SS



WAX PRESS

FEATURES

- ▲ Heavy Structure
- ▲ Easy Handling
- ▲ Fast Filtration
- ▲ Auto Cycle
- ▲ Maximum Oil Output
- ▲ More Filtration Area
- ▲ Higher Tonnage



SQUEEZING PRESS

MATERIAL HANDLING EQUIPMENTS



GOODS LIFT



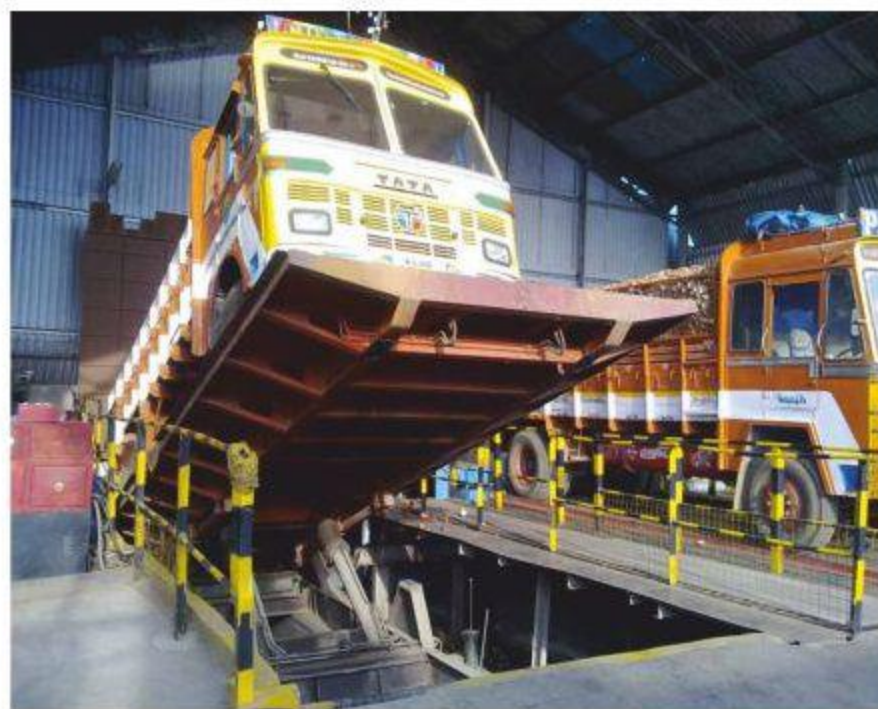
SCISSOR LIFT



TRUCK LOADER



E- TYPE PLATFORM



TRUCK TIPPLER



DOCK LEVELLER



TROLLEY