

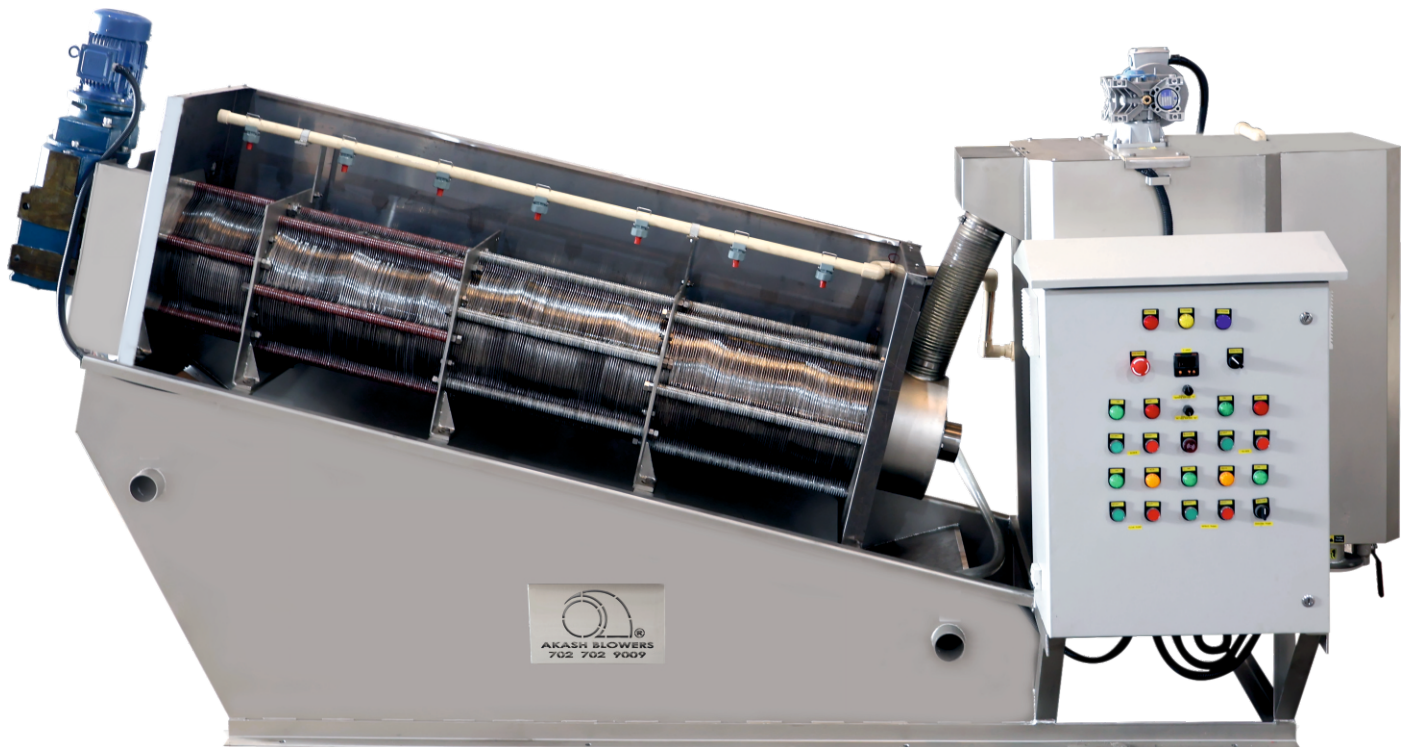


www.akashblowers.com



MULTI-DISC SCREW PRESS

Innovative Solution for Solid-Liquid Separation



SLUDGE DEWATERING MACHINE

ABOUT AKASH BLOWERS

With the expertise earned from 45+ years of experience, AKASH started manufacturing of Twin Lobe Rotary Air Blowers wayback in 2009. Since then the company has consistently strengthened its manufacturing base producing a wide range of products line includes TWIN LOBE & TRI LOBE ROTARY Air Blowers/Compressors (Root Blowers), Mechanical Vacuum Boosters & Acoustic Hoods. We have also started dealing and manufacturing in Ring Blowers/Regenerative/Side Channel Blowers and Multi-Disc Screw Press. These wide-range products and the technical expertise gained over the year have enabled AKASH to serve various segments of industry such as Flue Gas Application in sponge Iron, Silo Aeration for Cement Plants, Bulker unloading, Pneumatic conveying Sulphonation in Sugar plants, Water treatments plants, Effluent treatment plants, Aqua culture farms, Chemical & pharmaceutical plants, Food processing units.



VISION

To Become the No. 1 company in the Industry which delivers quality products for its Customers, believes in Innovation to meet the changing needs of the Customers and Market and are able to keep their Employees and stakeholders Happy and Satisfied, thus ensuring their growth along with the Company.

MISSION

To Serve our Customers as their most trusted and reliable partner in the Industry.

VALUES



Passion to Win & Be-The-Best at whatever we do.



Dedication for unparalleled quality and proven success.



Innovation anticipating our client's needs.



Integrity knowing what is right and acting responsibly with our clients, colleagues and community.



Guidance serving our client with experienced guidance regarding their actual needs.

WHY US?

Clients choose AKASH when they want to work in partnership
– our goodwill is based on the trust of our clients earned by
our passion to deliver the best.

1

**Laser Cutting Machine is used
for cutting fixed and moving rings**

2

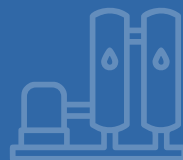
**Machining is done on CNC/VMC
as a result of superior accuracy**

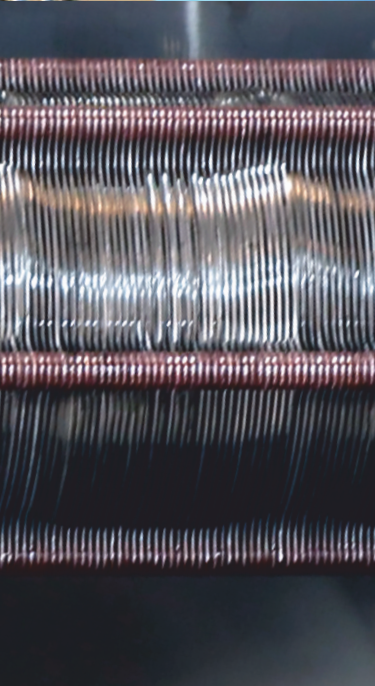
3

**PLC based automation is
available**

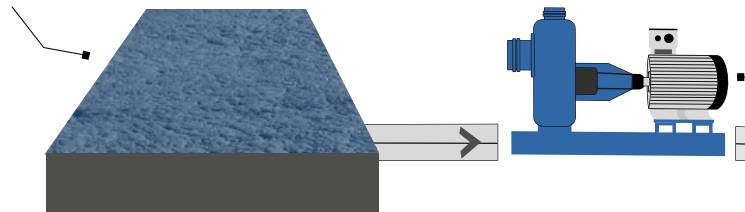
4

**Telephonic & online support
available**

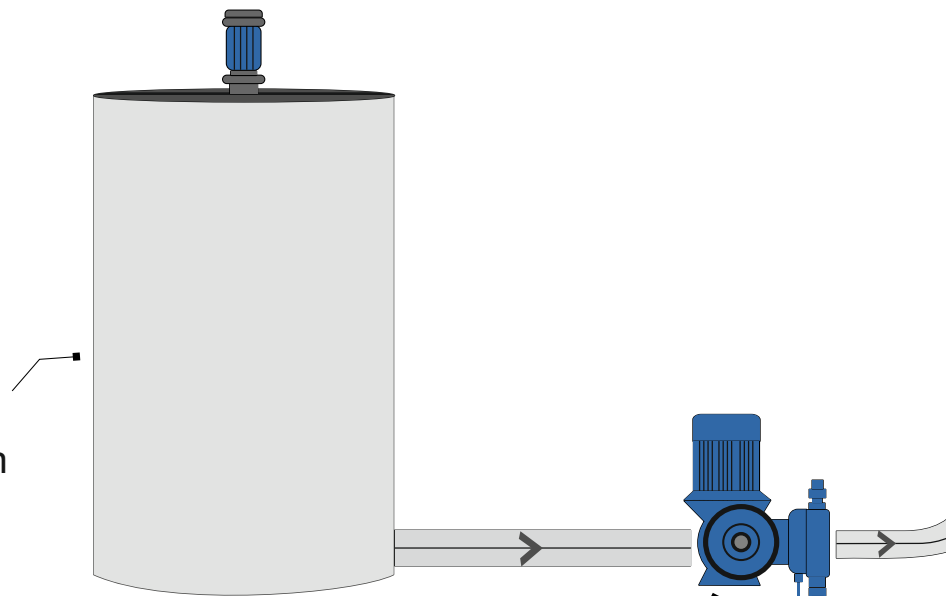




Sludge / Holding Tank

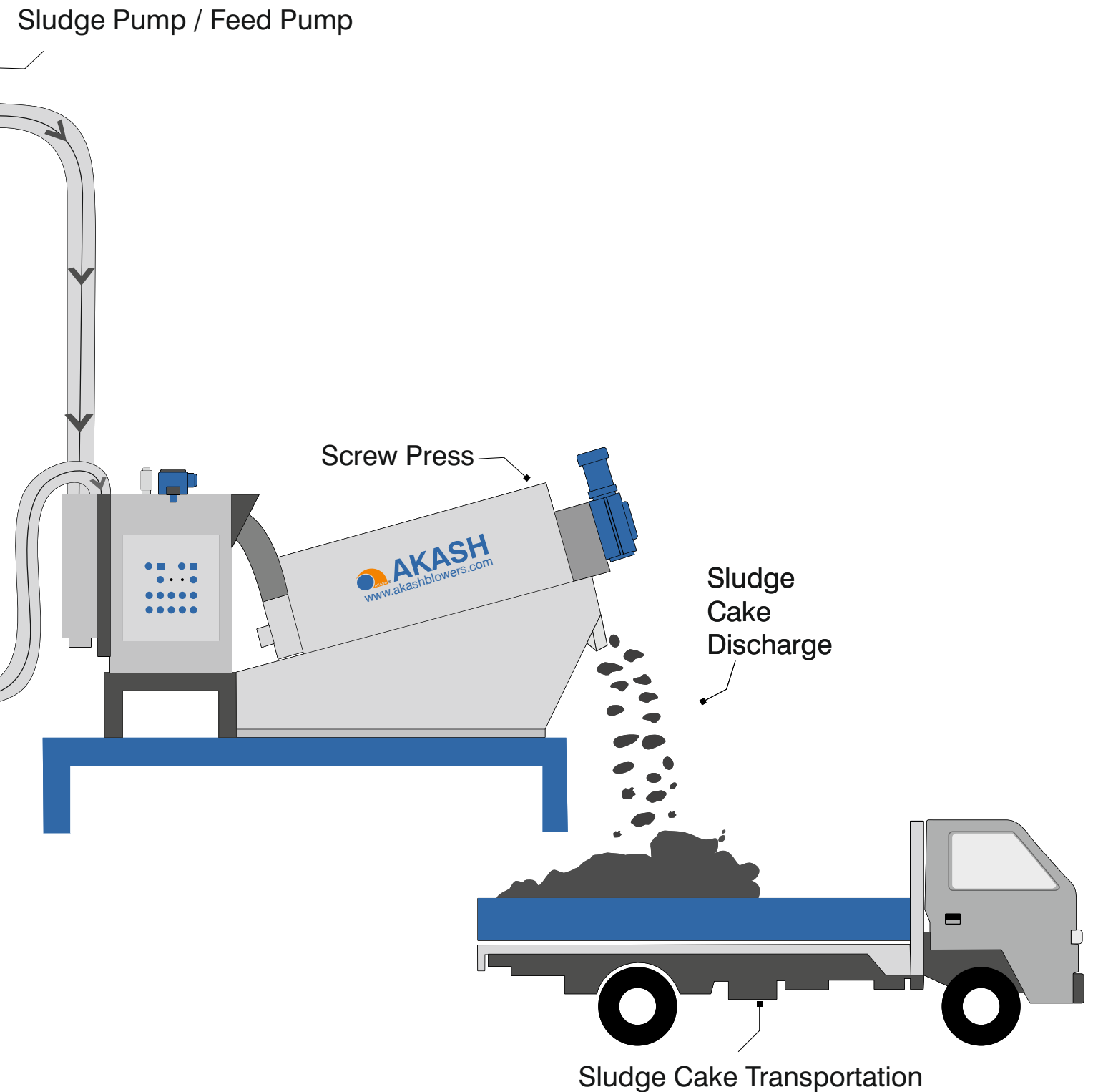


Polymer Preparation Tank



Dosing Pump

Flow Diagram Of A Typical Sludge Dewatering Process





Powerful Geared Motor

Powerful geared motor drive the screw shaft and controlled speed thru VFD



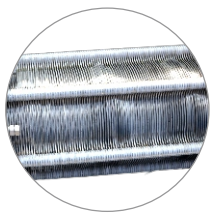
Spray Nozzle

Automated cleaning thru control panel for the rings.



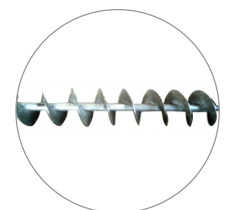
Adjustable Pressure Plate

To optimise the moisture content of sludge

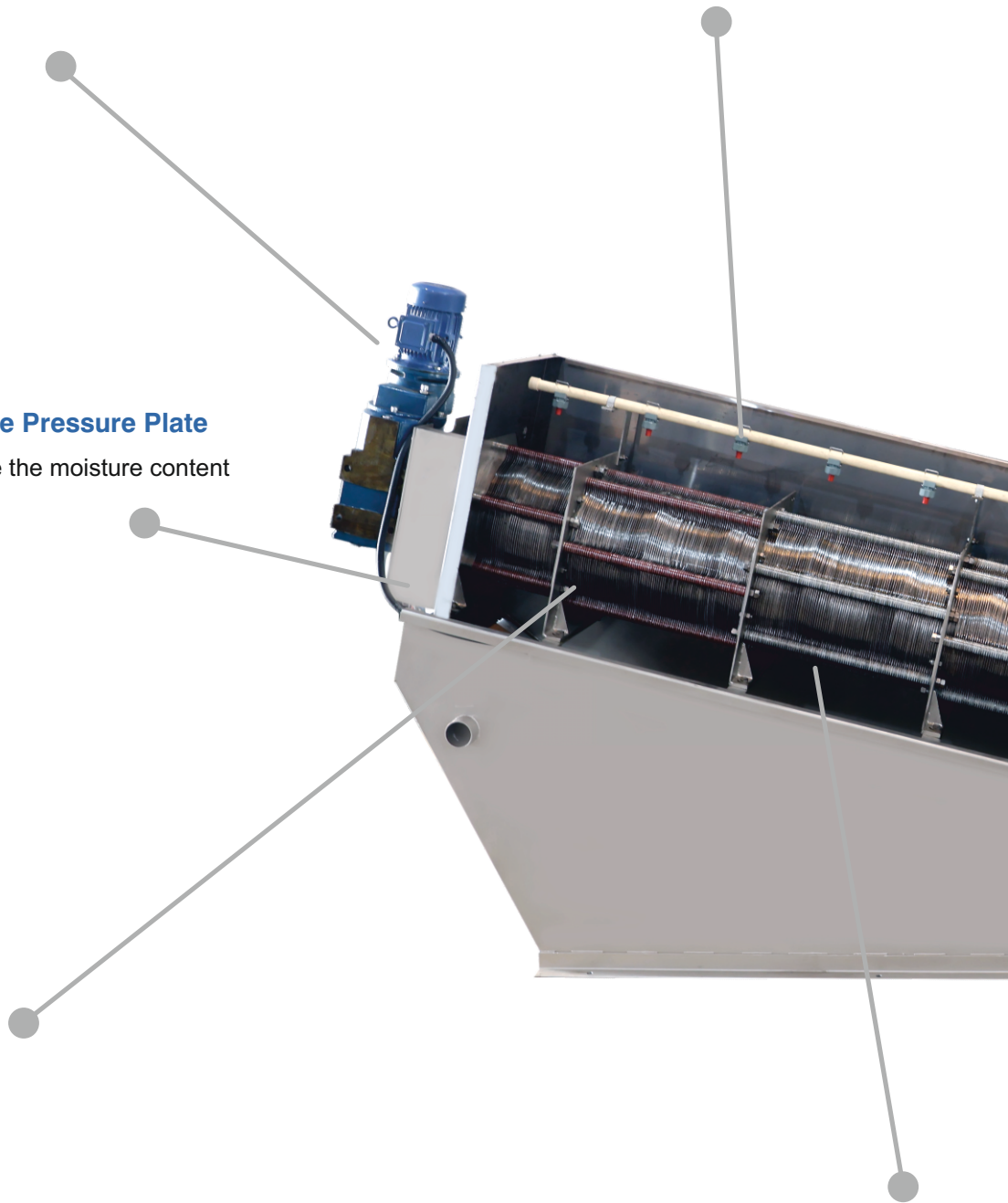


Fixed & Moving Rings

Series of moving rings for clog free filtration of water.



Spiral Screw



| Key Parts & Features



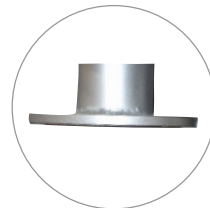
Agitator With Geared Motor

Agitator with geared motor controlled speed thru VFD for effective flocculation



Overflow Return Pipe

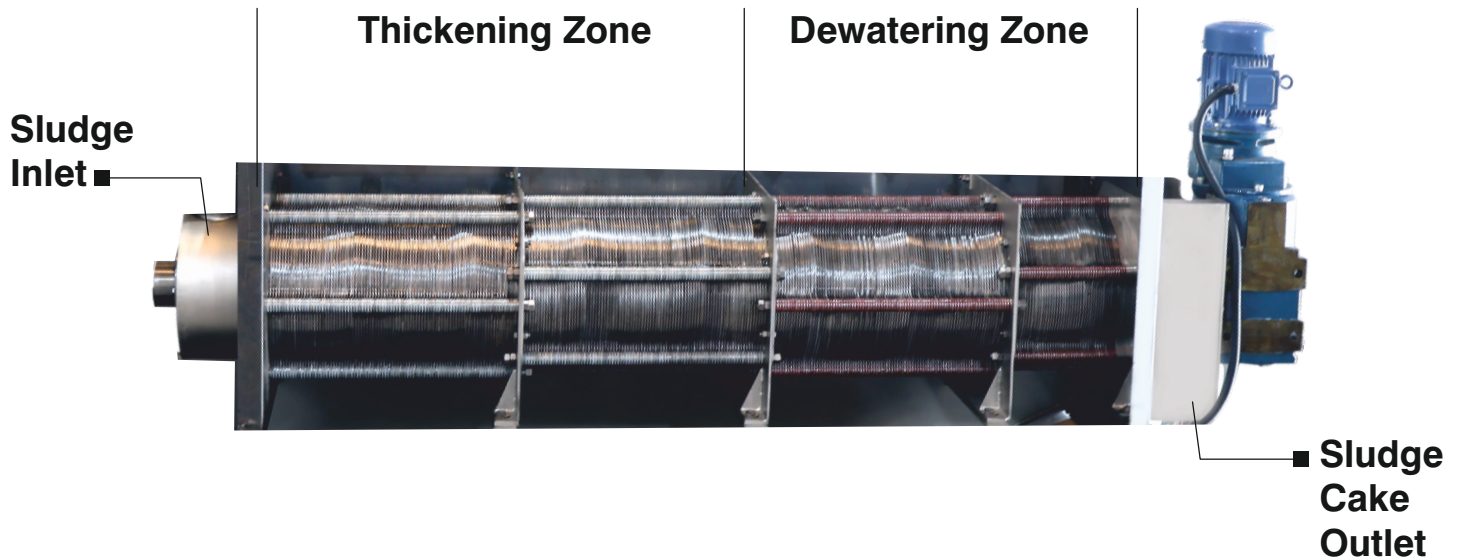
Overflow return pipe with adjustable height to control flow rate



Sludge feed line



Flocculation Tank Drain



MULTI-DISC SCREW PRESS

The Multi-Disc Screw Press are widely used in solid-liquid separation to minimize the sludge disposal. The Sludge is pumped to the Flocculation tank chamber where poly-electrolyte solution is added for formation of flocks and continuously mixed during the operation with the help of Flocculation paddle to ensure the relative stability of the sludge concentration. Then treated sludge is moves forward into the dewatering cylinder where liquid is drain from the gap between the rings under the gravity and dewater sludge cake discharge at the end of cylinder.

ADVANTAGES

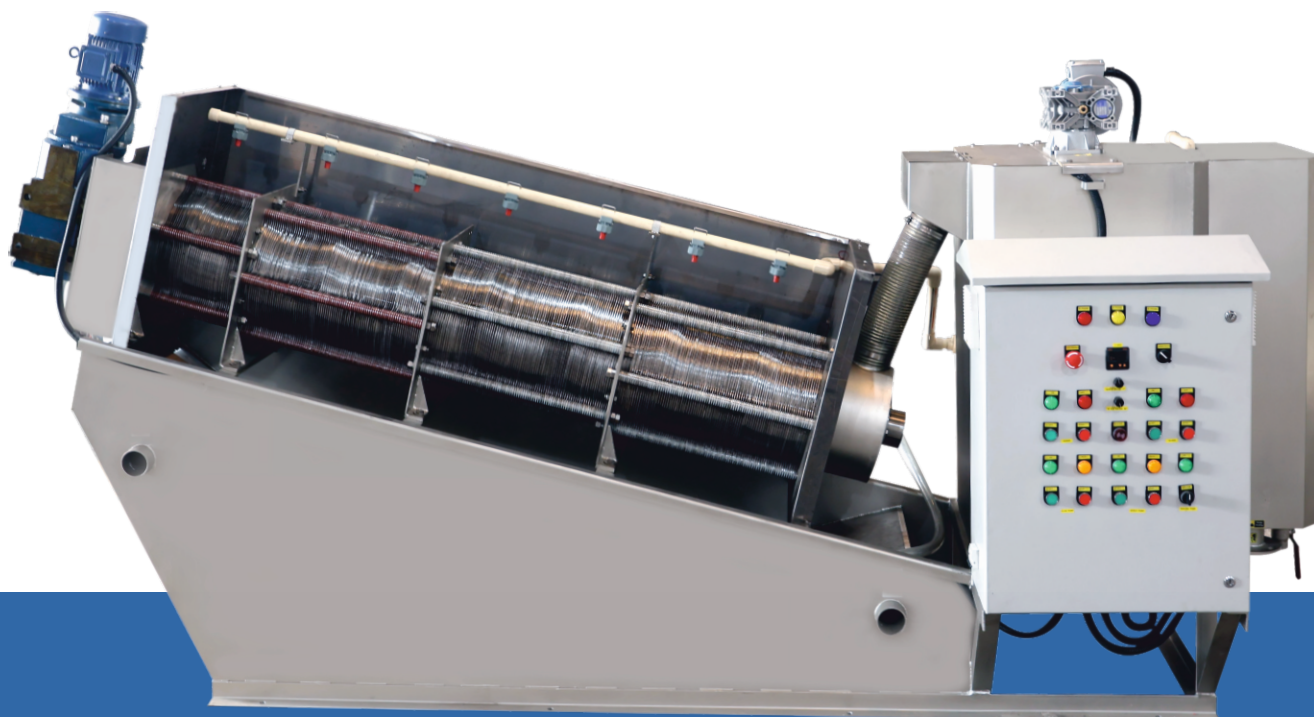
- Low power consumption
- Low noise and vibration
- Fully automatic and continuous operation
- Minimal operator requirement
- Easy to operate and maintenance



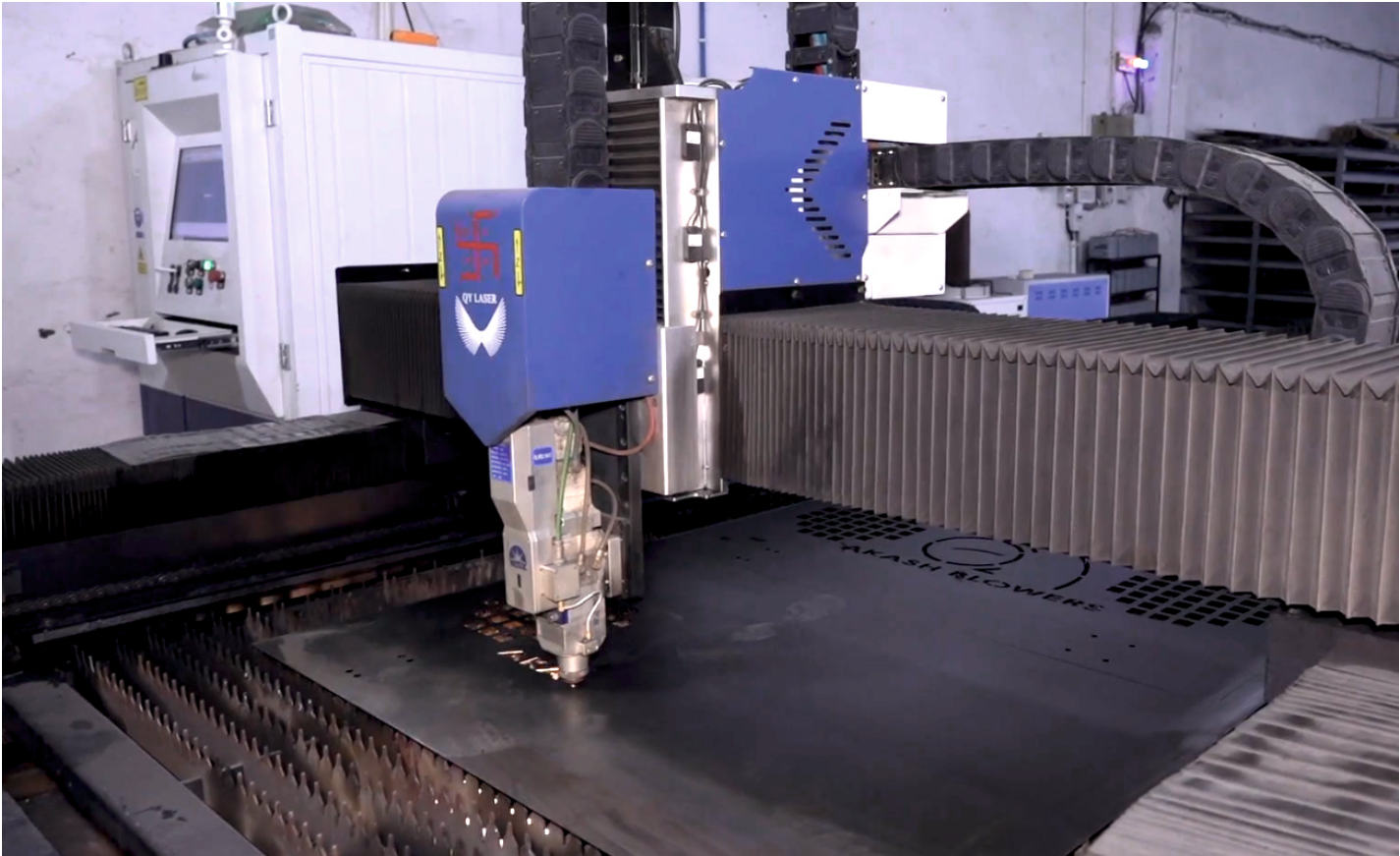
MODEL SELECTION

MODEL	INLET FLOW RATE (m ³ /Hr) @ 1% SLUDGE CONCENTRATE	DRY SLUDGE (KG/HR)	ELECTRICAL POWER (KW)	DIMENSION (MM)			RINSING WATER CONSUMPTION (L/H)	WEIGHT (KG)
				L	W	H		
ASDM - 1080 EM	0.3-0.5	1 - 5	0.3	1775	725	1100	24	175
ASDM - 1080	0.3-0.5	1 - 5	0.3	1775	725	1100	24	175
ASDM - 1095	0.5-0.8	5 - 8	0.36	2035	990	1220	30	225
ASDM - 1100	1.0	6 - 10	0.36	2120	1000	1220	30	250
ASDM - 1115	1.5	11 - 15	0.36	2120	1000	1220	30	260
ASDM - 1135	2.0	15 - 20	0.55	2450	925	1375	40	350
ASDM - 1170	3	16 - 30	0.55	2700	925	1425	40	475
ASDM - 2115	3	16 - 30	0.54	2150	1200	1225	60	330
ASDM - 1190	4	31 - 40	0.55	3150	1075	1610	42	495
ASDM - 1210	6	41 - 60	0.55	3150	1075	1610	42	540
ASDM - 2210	12	61 - 120	0.92	3150	1500	1610	84	720
ASDM - 1250	8	61 - 80	0.93	3660	1100	1860	48	660
ASDM - 1300	14	80 - 140	1.12	3800	1200	1800	48	805
ASDM - 1350	20	121 - 200	1.47	4310	1200	2310	60	1250
ASDM - 2300	28	200 - 280	1.87	3800	1700	1800	96	1460
ASDM - 2350	40	281 - 400	2.57	4310	1450	2310	120	2230
ASDM - 3350	60	401 - 600	4.05	4310	2000	2310	180	3320

NOTE: Specifications are subject to change without notice.



SPARE PARTS ARE READILY AVAILABLE



APPLICATIONS

- Municipal Sewage Sludge
- Waste Water Treatment Plant
- Chemical & Pharmaceutical Plants
- Food & Beverages
- Industrial Waste Water Treatment Plant
- Leather Industry
- Textile Industry

OUR ESTEEMED CLIENTELE

adani



PARLE



Whirlpool

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Phudu Phudu. Pure Khao Phyu.



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SOMANY



orient
electric
switch to smart

Fortis
HOSPITALS

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Fertilizers



RELAXO



MITSUBISHI
ELECTRIC
Changes for the Better





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