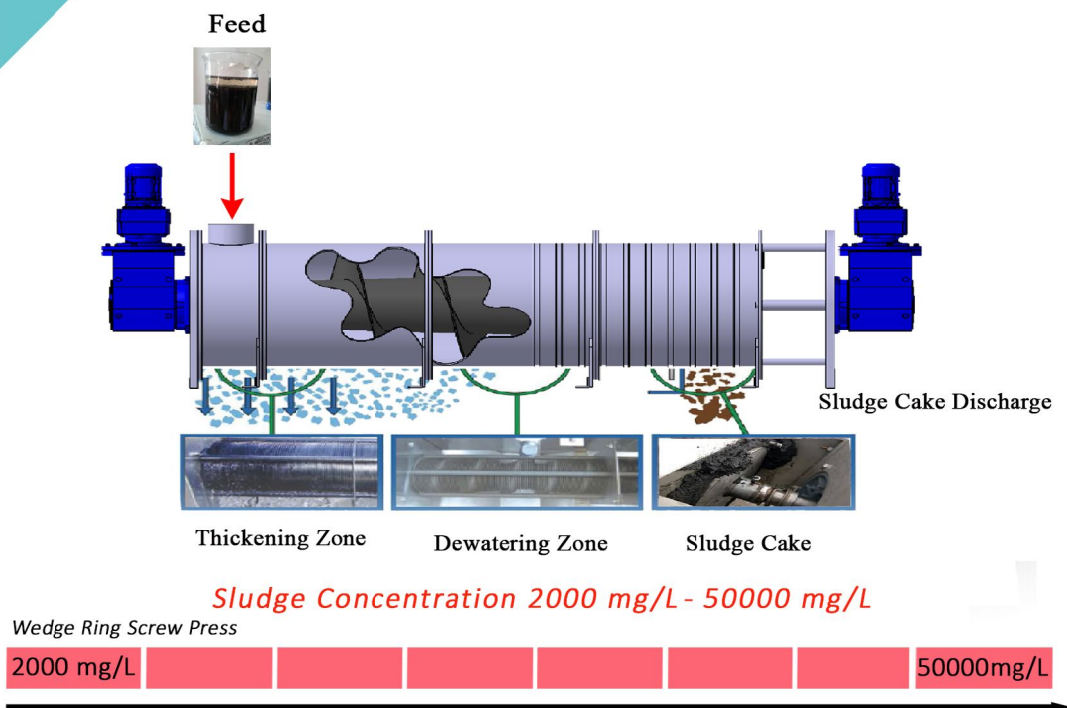


BARAN™ Multi Disk Screw Press

Working Principle of BMDS

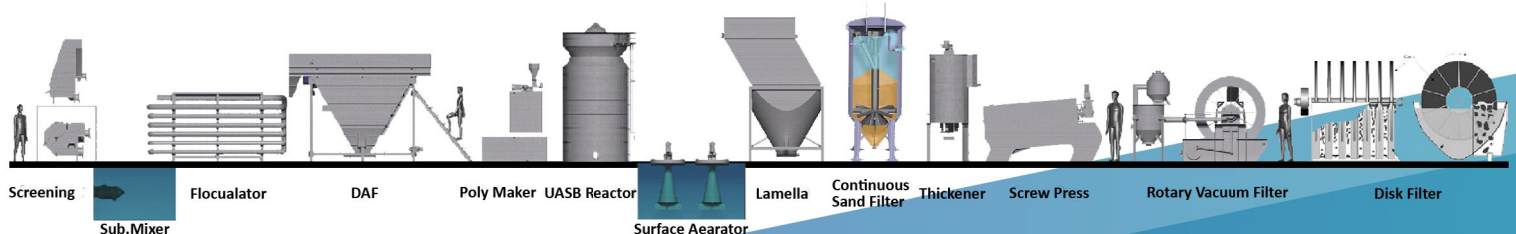
The first part of the BMDS unit is Thickening zone where solid-liquid separation process takes place and in the dewatering zone filtrate is discharged.

With the screw shaft getting narrower and narrower, the internal pressure increases higher and higher. On the other hand, based on the design of moving & Fix ring, a very thin film between the rings separates water from the sludge and puts increasing pressure at the last section.



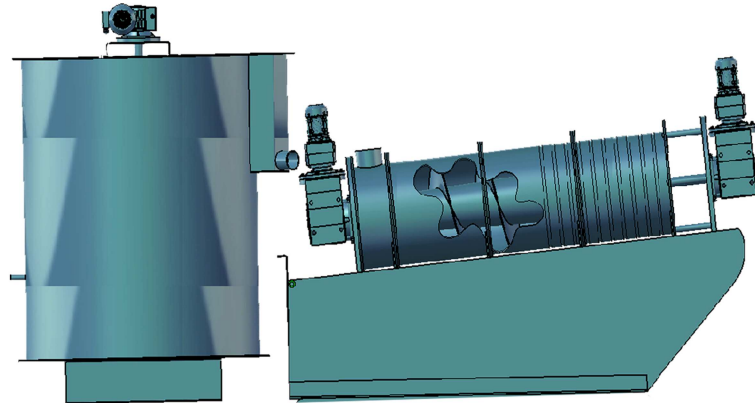
Advantages of BMDS

- Easy process
- High efficiency
- Automatic self-cleaning
- Since disk screws are V-shaped, clogging is prevented and so high pressure water is not required to clean the disk screws.
- Having programmable system to enhance performance & accuracy
- Clog-free
- Low investment cost
- Dewatering oily Sludge
- Saving energy during dewatering



Model & Technical specifications

- Multi Disk Screw Press is composed of:
- Heavy duty Helical Bevel electro-motor Gearbox
- Variable pitch spiral screw with conical cone (made of SS304L/SS316L)
- Fixed & Moving Rings (SS304L/SS316L/Composite)
- Self-cleaning system



Application of BMDS

- Chemical, oil & gas industry
- Pharmaceutical & food industry
- Industries requiring dewatering sludge
- Dewatering oily sludge coming from DAF
- Mining industry
- Paper & leather industry
- Water and wastewater treatment plant
- Pre-concentration of pulps (200 - 5000 mg/L)

Multi Disk Screw Press Technical Data							
Model	Dimention (mm)			Electricity (kw)		Weight (kg)	Capacity (KgDS/hr)
	Length	Height	Width	Thickener	Screw	Operation	
BMDS-S20	2834	1540	650	0.55	0.75	2000	15-20
BMDS-D20	2834	1540	1050	0.75	1.5	2600	30-40
BMDS-T20	2834	1540	1700	1.1	1.5	3000	45-60
BMDS-S40	4077	2140	1288	0.75	1.1	3600	40-50
BMDS-D40	4077	2140	1528	1.1	2.2	3800	80-100
BMDS-T40	4277	2186	2060	1.1	3.3	4000	120-150

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