

**USM Unic Care Technologies Pvt Ltd.,**  
Technological Enhancement Through Innovation

# SLUDGE DEWATERING SCREW PRESS





**USM Unic Care Technologies Pvt Ltd.,**

Technological Enhancement Through Innovation

**ESTABLISHED IN 2009 BY AN YOUNG AND  
DYNAMIC ENGINEER**



**Strong Team**

Strong Team with  
Dynamic Engineer



**Smart Inventory**

of components for short  
delivery time



**Service Support**

We are only a phone call  
away for full diagnostic  
support and any  
assistance required



**Consultanting Service**

We are giving  
ETP & STP solution



**Smart R&D Team**

Which keeps innovating &  
Refining the technology  
and reduce costs

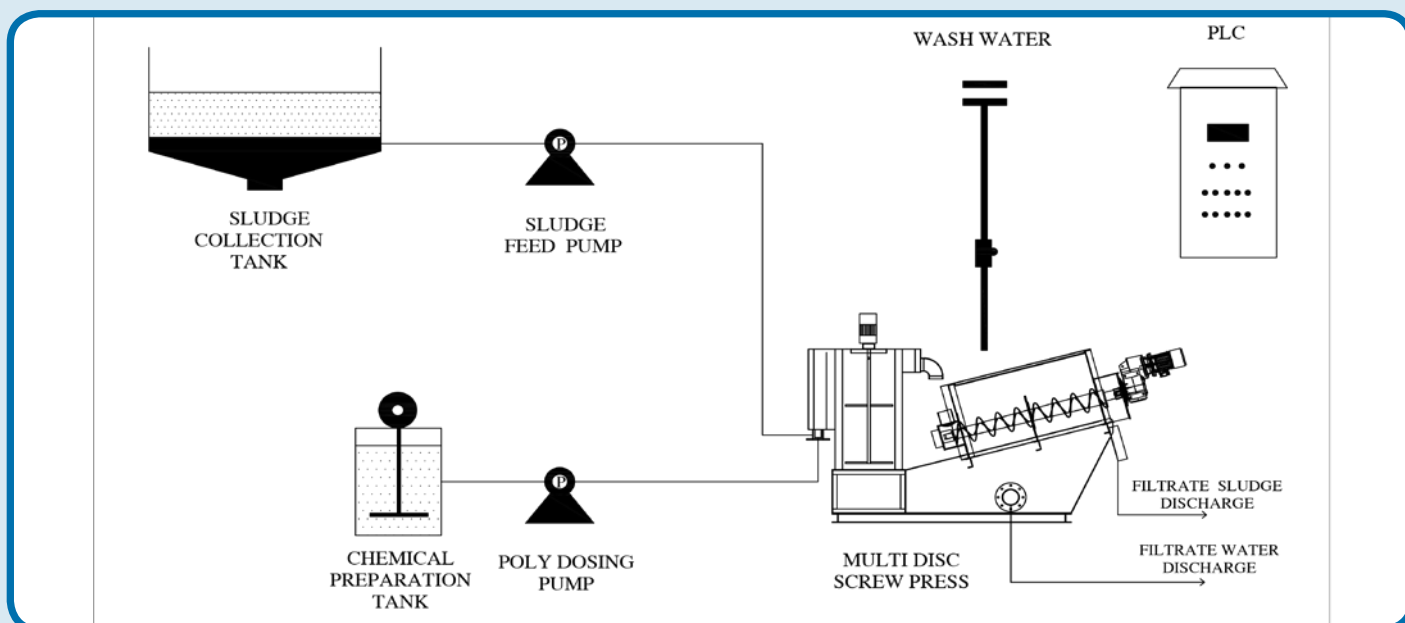
Was established in 2009 situated at Woman's - SIDCO near Chennai Tamilnadu, India with huge manufacturing capability and back up of Japanese technology, we are one of the best manufacturers of Sledge Dewatering Screw Press.

**Screw Press Brief Introduction:** In the process of waste water treatment, water-containing sludge of different properties is generally produced. The sludge dewatering equipment mainly reduces the water content of the sludge, and reduces the sludge volume, thereby bringing convenience to the subsequent treatment or disposal of the sludge.

## STANDARD SPECIFICATIONS

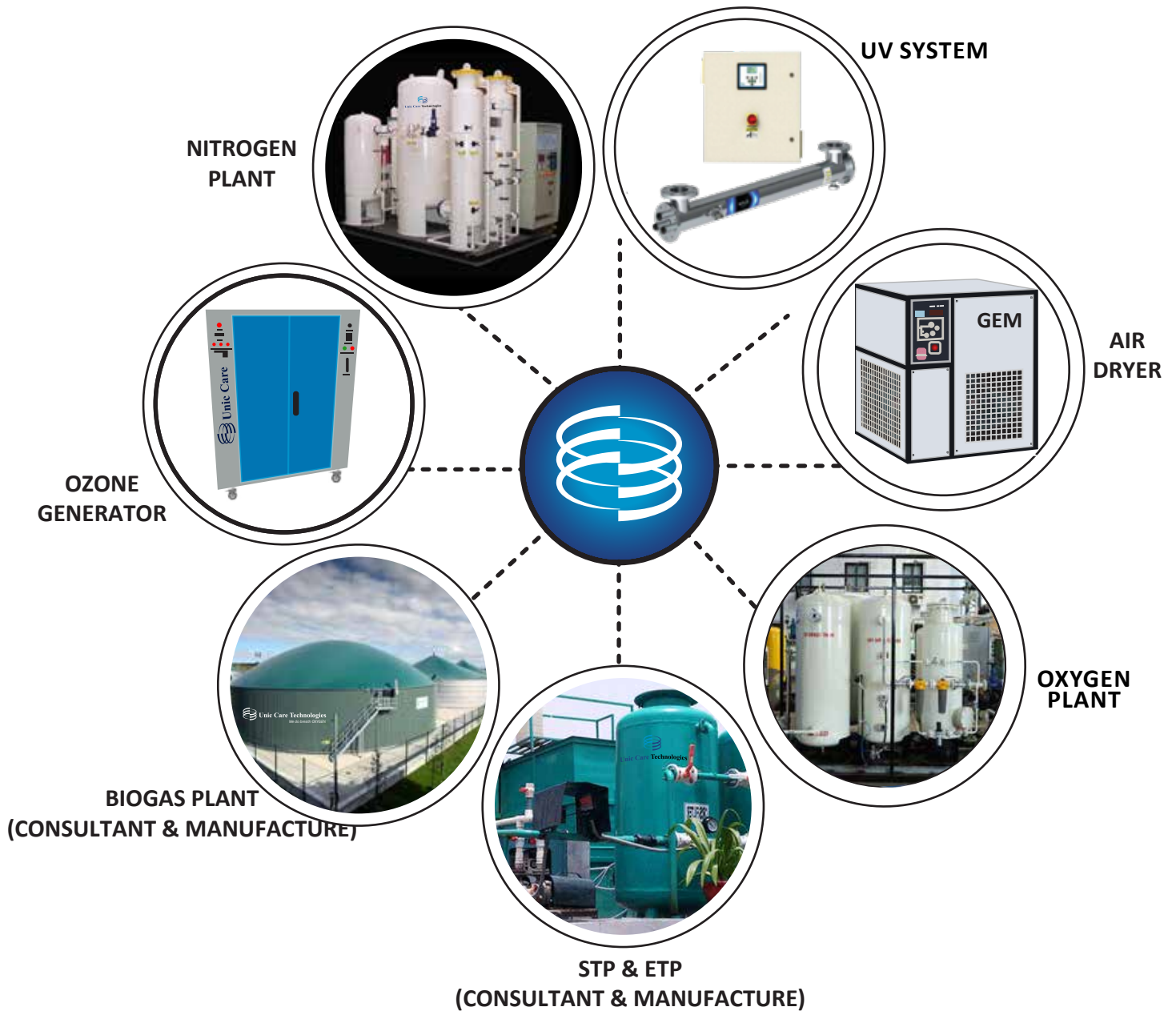
Parameter	Unit	Dewatering Screw Press Model							
		UCT-131	UCT-201	UCT-301	UCT-302	UCT-303	UCT-401	UCT-402	UCT-403
Solid Handling Capacity	kg/hr	For Feed Sludge Concentration of 2 g/L - 5 g/L (0.2% - 0.5%) of solids							
		6	20	40	80	120	100	200	300
		For Feed Sludge Concentration of 5 g/L - 50 g/L (0.5% - 5.0%) of solids							
		10	30	60	120	180	140	280	420
Typical Dewatered Cake Dry Solids Content 2	%DS	15% - 20%							
Number of Screws		1	1	1	2	3	1	2	3
Screw Diameter	mm	130	200	300	300	300	400	400	400
Screw Gear Motor (Type)		(Front-Transmission Gearbox)							
Mixer Gear Motor (Type)		Per Screw: 10 L/h at minimum 2 bar							
Screw Motor Power, each	kW	0.37	0.75	0.75	0.75	0.75	1.5	1.5	1.5
	kW	0.12	0.12	0.37	0.37	0.37	0.37	0.37	0.37
	kW	0.75	1.1	1.1	1.9	2.6	1.9	3.4	4.9
Wash Water Requirement		(Worm-Transmission Gearbox)							
Inlet Pipe	mm	DN50	DN50	DN50	DN50	DN50	DN50	DN80F	DN80F
Filtrate Pipe	mm	DN80	DN80	DN150F	DN200F	DN200F	DN200F	DN200F	DN200F
Sludge Return Pipe	mm	DN80	DN80	DN80	DN100F	DN100F	DN100F	DN100F	DN100F
Floculation Chamber Drain	mm	DN50	DN50	DN50	DN50	DN50	DN50	DN65F	DN65F
Net Weight	kg/hr	300	580	980	1350	1700	1350	2700	3750
Overall Length	mm	2200	2900	3600	3800	3950	4350	4900	5100
Overall Height	mm	1100	1350	1750	1800	1750	1750	2200	2200
Overall Width	mm	600	800	1000	1300	1750	1250	1600	2200
Materials of Construction		304 Stainless Steel Machine, 316 Stainless Steel Screw(s) with Tungsten Carbide Coating, 316 Stainless Steel Rings and 304 Stainless Steel Control Panel							

**Usage:** Our dewatering screw press is suitable for dewatering of liquid sludge from a wide range of including food and beverage, chemical, textile and dairy etc..



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# OUR PRODUCT RANGE



## Registered Office

No: 5/6, 2nd Cross Street,  
 United Colony, Kolathur,  
 Chennai - 600 099  
 + 91 98409 88270

## Factory

No : 308, Womens SIDCO  
 Industrial Park, Kattur  
 Thirumullaivoyal, Chennai - 600 062  
 +91 9952 051 531 | 9840 968 555

## Branches

No: 16-5-28, Koturi Street,  
 Samaralakota, Kakinada  
 Andhra Pradesh - 533 440  
 +91 9841 112 981

## Branches :

No : 28, Public sector Colony, Venkatadri Nagar, New Bowenpally, **Secunderabad - 500 011**. Telangana Code-37, +01 9440 412 112  
 No : 4A, Kaveri Street, Anandha Nagar, H.M.S.Colony, Theni Main Road, **Madurai - 625 016**. Landmark : Backside (TVS rubber Factory). +91 9840 099 241  
 No : 76, Doresanipalya, Bannargatta, Main Road, Near ICICI ATM, **Bangalore - 560076**. +91 9840 392 518