

Haiwang

Equipment & Service for Sewage Treatment Industry

For Green Industry and Environmental Protection



Weihai Haiwang Hydrocyclone Co., Ltd.

Weihai Haiwang Technology Co., Ltd.



No. 95, Huihe Road, Weihai, Shandong, China



400-606-3160

0631-5621553



info@wh-hw.com



www.wh-hw.com



Company profile

Established in 1989, Weihai Haiwang Hydrocyclone Co., Ltd. is the leading separation equipment and technical solution supplier in the world. For more than 30 years, by adhering to the concept of "Better Separation", Haiwang is committed to providing advanced technology, high efficient equipment and superior service for users in mining, coal, electric power environmental protection, petroleum, chemical, sand aggregate and the other industries to assist users for the sustainable development. The products are far ahead in the domestic marketing share, and have been exported to more than 60 countries, including Australia, Russia, Peru and India, etc. Haiwang has established the international branch companies including Neptune Mineral Co., Ltd. in Russia and Helicon Mining Services Pty Ltd. in Australia, and also the agencies in America, Peru, Chile, South Africa, India and Mongolia, etc. over 10 countries, thus to provide local service for clients all over the world conveniently.



1
national technological invention prize



3
Industrial standards drafted by the company



8
Innovation platforms above provincial level



100
Proprietary intellectual property rights



80
Senior engineers



150
Professional technicians



Haiwang, specializing in the R & D, manufacture and technical service of separation equipment for over 30 years.

We not only offer high-quality equipment, but also cutting-edge technology and exceptional service.

260000 m²
Production base area

30000 sets
Annual capacity of cyclones

5000 sets
Annual capacity of other equipment

3000 m²
Experimental base area

20000 m²
Spare parts warehouse area

Strength

EU CE certification

ISO9001 Quality management system certification

ISO14001 Environment management system certification

OHSAS18001 Occupational health and safety management system certification

Shandong Academician workstation

Shandong Province postdoctoral innovation experimental base

Shandong Cyclone separation engineering technology research center

Shandong Province recognized enterprise technology center

Shandong One Enterprise one technology R & D center

Shandong Industrial design center

Shandong Engineering research center

National torch plan key high-tech enterprise



Service

The products and service that Haiwang sewage treatment equipment can provide include: HWPT series paste thickener, HWET series high-efficient thickener, HWITT series deep cone inclined tube thickener, HWIPT series deep cone inclined plate thickener, sewage recycling for aggregate wet production line, water purification for industrial consumption, slurry thickening for mineral processing and tailing stacking and filling.



For Green Industry and Environmental Protection

Haiwang Equipment & Service for Sewage Treatment Industry

Industries of Application

- / Sewage recycling for aggregate wet production line
- / Slurry thickening for mineral processing
- / Water purification for industrial consumption
- / Tailing stacking and filling

Haiwang provides

01 Solution Design

Customize according to clients' requirements

02 Turnkey system

Time and labor saving

03 Raw material test

Tests ensure proper equipment usage and practical application

HWPT Series Paste Thickener

PT series paste thickener is mainly used in the sewage treatment for wet aggregate production line, industrial sewage recycling, mine tailing stacking and other conditions, with features of high underflow concentration, small footprint and low chemical consumption, etc.

Technical Features

- ▶ The deep cone and high side wall design can strengthen the thickening performance and increase the underflow concentration;
- ▶ The low turbulence spiral feeding well can provide more stable gravity settling environment in the equipment.
- ▶ The feeding part is equipped with self-dilution or forced dilution devices to adjust the feed concentration to the optimal flocculation and settlement condition.
- ▶ The low resistance rake structure can effectively reduce energy consumption. The unique mixing structure can further improve the slurry concentration at the bottom;
- ▶ The high torque hydraulic drive mechanism can ensure stable operation under adverse working conditions.



Model No.	Diameter (m)	Side wall height (m)	Slope angle (°)	Capacity (m3/h)	Underflow concentration (%)	Power (kw)
HWPT-18	18	8/10/12	30	1200-2000	≥45	22/37/45
HWPT-22	22			1600-3000		37/45/55
HWPT-25	25			2200-4000		45/55/75
HWPT-30	30			3000-5200		55/75/90
HWPT-35	35			4000-7500		75/90/110
HWPT-40	40			5400-10000		90/110/132
HWPT-45	45			6800-12000		90/110/132
HWPT-50	50			8500-15000		110/132/160

HWET Series High-efficient Thickener

HWET series high-efficient thickener is mainly used in the sewage treatment for wet aggregate production line, industrial sewage recycling and other conditions, with features of low chemical consumption, low energy consumption and small footprint, etc.

Technical Features

- ▶ The low turbulence spiral feeding well can provide a more static gravity settling environment in the equipment;
- ▶ Adopting center hydraulic drive, equipped with automatic rake lifting device;

Model No.	Diameter (m)	Side wall height (m)	Slope angle (°)	Capacity (m3/h)	Height (m)	Cone angle (°)
HWET-12	12	4.5	10	400-600	≥35	7.5
HWET-15	15			600-1000		11
HWET-18	18			900-1400		18.5
HWET-22	22			1500-2200		30
HWET-25	25			2000-3000		37
HWET-30	30			3000-4500		55
HWET-35	35			4000-6000		75
HWET-40	40			5500-8500		90
HWET-45	45			7000-11000		110
HWET-50	50			9000-14000		110



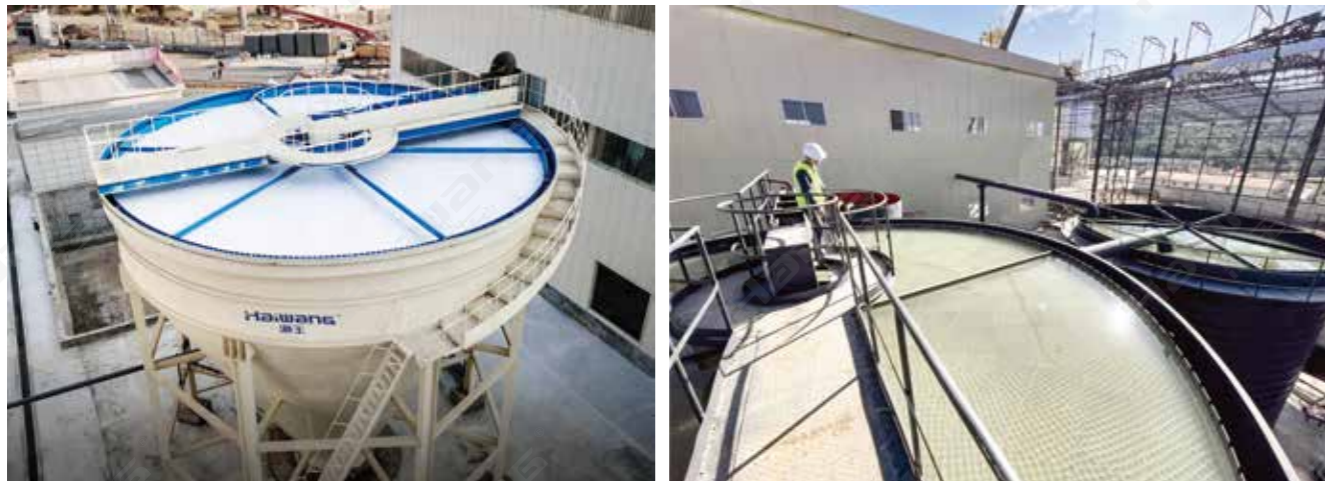
HWITT Series Deep Cone Inclined Tube Thickener

HWITT series deep cone inclined tube thickener is mainly used in the sewage treatment for wet aggregate production line, industrial sewage recycling and other conditions, and suitable for feed of low concentration (<10%), with features of small footprint and high settling efficiency, etc.

Technical Features

- ▶ The settling area is divided into several oblique narrow flow areas through the inclined tube assembly, and multiple areas are processed in parallel to improve the concentration efficiency and reduce floor space;
- ▶ The low turbulence spiral feeding well can provide a more stable gravity settling environment in the equipment;
- ▶ The deep cone structure can discharge slurry without power and ensure low energy consumption.

Model No.	Maximum flow rate (m ³ /h)	Sludge capacity (t/h)	Diameter (m)	Height (m)	Cone angle (°)
HWITT1500	1500	100-150	17	19	60
HWITT1200	1200	80-120	15	17	
HWITT1000	1000	70-100	14	17	
HWITT800	800	50-80	13	16	
HWITT500	500	30-50	10	13	
HWITT300	300	20-30	8	12	



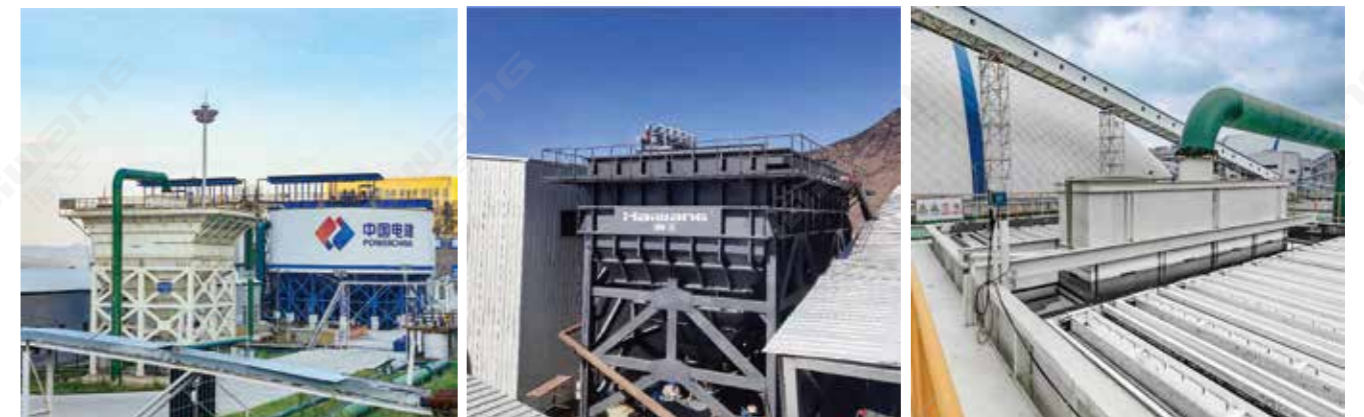
HWIPT Series Deep Cone Inclined Plate Thickener

HWIPT series deep cone inclined plate thickener is mainly used in water purification, slurry thickening for mineral processing and other conditions, and suitable for feed of low concentration (<10%), with features of small footprint and high settling efficiency, etc.

Technical Features

- ▶ With the principle of shallow settling, the settling area is divided into several oblique narrow flow areas by the inclined plate assembly, and multiple areas are processed in parallel to improve the thickening/classifying efficiency and reduce the floor space;
- ▶ Inclined plate vibration cleaning device is selectable for cleaning the inclined plate at regular intervals;

Model No.	Inclined plate settling area (m ³ /h)	Water flow rate (m ³ /h)	Angle of inclined plate (°)
HWIPT150	150	120-150	55
HWIPT250	250	200-250	
HWIPT500	500	400-500	
HWIPT800	800	650-800	
HWIPT1000	1000	800-1000	
HWIPT2000	2000	1600-2000	



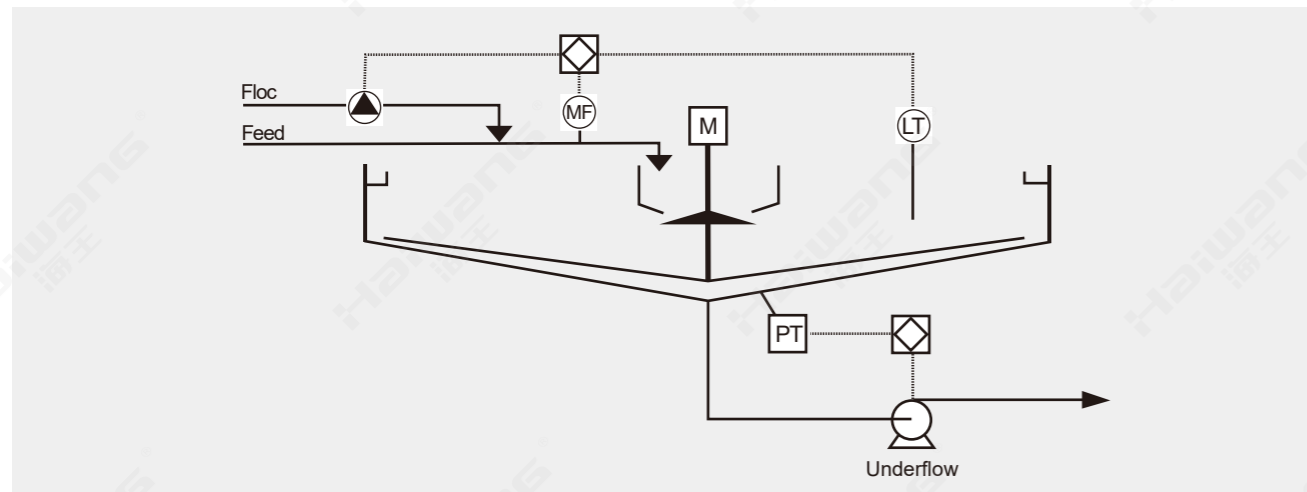
Three-compartment Chemical Preparation Equipment

The chemical preparation equipment adopts three compartments structure. The first two compartments are for chemical dissolution and curing, and the dissolution and curing time is > 1h. The last compartment is for chemical temporary storage, and the temporary storage time is > 30min. Concentration of the formulated solution is 0.1-0.3%, and the preparation process is automatic with manual dry powder feeding only.



Automatic Chemical Dosing and Sludge Discharging Control System

The automatic chemical dosing system can adjust the frequency of dosing pump automatically according to the feeding water flow rate and turbidity of the overflow. The automatic sludge discharging system can adjust the frequency of sludge discharging pump automatically according to the underflow concentration and the resistance signal of driving device to ensure the stable concentration of sludge discharge.



Selected Application Cases

Client	Application
PowerChina Bureau 8 Niyang River Project	Sewage thickening system
PowerChina Bureau 8 Changlai Project	Water purification treatment system Sewage thickening system
PowerChina Luxiao Shilei New Material Project	Sewage thickening system
PowerChina Bureau 6 Taian Project	Sewage thickening system
CNBM South New Material Shangcheng Project	Sewage thickening system
CNBM Tongli Cement Project	Sewage thickening system
Chongqing Jianeng Mining Project	Sewage thickening system
Yunnan Kunming Beiweicheng Project	Sewage thickening system
Hainan Fengyuan Technology Project	Sewage thickening system
Shaanxi Tianyou Mining Project	Sewage thickening system

