

Version No.: 202112001

Subject To Technical Modification

SHINCCI

ENERGY-EFFICIENT LOW TEMPERATURE SLUDGE DRYING SOLUTION

- SHS Integrated Belt-type Sludge Dryer
- MHR Integrated Multiple-effect-heat-recovery Sludge Dryer



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 **POWER +
THE WORLD**

ABOUT SHINCCI



Who We Are

SHINCCI is a high-tech company devoting to the research and application in the field of environmental protection since 2003, who designs and provides the world's cutting-edge Low Temperature Sludge Drying Solution that contributes to the sustainable development of municipalities and industries. And this gives us direction to positively impact the world.

What We Do

So far the SHINCCI Low Temperature Sludge Drying Solution has helped hundreds of municipalities and industries to improve efficiency, reduce costs, and minimize carbon footprint regarding sludge management. The Solution can simply dry the wet sludge to 70-90% total solids (adjustable as required), and the final product can be taken for environmental-friendly disposal or resource utilization.

How We Do

As a leading company in the sludge drying industry, SHINCCI provides full services ranging from on-site investigation, project designing, equipment manufacturing, installation, commissioning, to after-sales service. Our professional and full-range experience assist you to meet the challenge of sludge management problems.

What We Prioritize

At SHINCCI, customer service is a major priority. We believe that our successes were, are and will always be based on the fact that the benefit and satisfaction of our customers are met and secured through our comprehensive and effective services.



LOW TEMP EVAPORATING FULL INDUSTRY LINE

We Value R&D and Manufacturing

Covering a total area of 100,000 square meters, the R&D and Manufacturing Base for Low Temperature Drying at SHINCCI is one of the biggest bases of its kind across the world. SHINCCI is adopting advanced production line with scientific management and employing highly qualified staff to ensure its strength and ability to provide the world's leading Low Temperature Drying technologies and services that can be tailored to meet specific requirements of utilities / plants all over the world.



We Value Innovation

Innovation is inherent in SHINCCI's entrepreneurial DNA, which has been enabling SHINCCI to constantly offer high added value and innovative services to meet and even exceed our customers' expectations. At SHINCCI, we not only provide today's most appropriate solution, but also prepare for the future, and this is how we hope and are doing to be a game changer for sludge management.

We Value Quality

For SHINCCI, high quality standard of products is the fundamental basis to secure our existence and development. It determines our thinking and actions in every single subprocess of production within a strict quality management system on which we regularly review, evaluate and improve. By doing so, we are able to remain our brand reputation and marketing competence for years.



HEAT EXCHANGER AND ACCESSORIES

With processing and production workmanship and deep experience of various tubes material, tubes and fins are well fabricated and combined, enhancing fluid stabilization and heat exchange efficiency. It is widely applied in industrial cooling, dehumidification, drying and other use environments and technique that require extremely high energy consumption.



Premium material

From well-known brands



Manufacturing strength

With support from largest manufacturer of low temp sludge dryer



cutting edge technology

Advanced workmanship for Anti-corrosion technology and R & D capability



Guaranteed quality

Richly experienced and strong team for quality control
Reliable and durable product

LEADING WELDING TECHNIQUE FOR HEAT EXCHANGE TUBES

Shincci tube welding technique leads peers far behind, which is the basis for product reliability. We continue the research and development of the tube and pipes processing and welding technique for heat exchangers in order to meet usage in harsh environments.



AUXILIARY EQUIPMENT AND PROCESSING

With the diversification of sludge dryers and conveying equipment on the market at present, their quality and adaptability are different. In response to this trend, with combination of implementation and summary from years projects, SHINCCI has standardized design of transportation equipment, and has modularized storage equipment. The design can effectively improve production efficiency and reduce the manufacturing cycle to ensure the smooth implementation of the project.

The products are mainly divided into four series: screw conveyor series, scraper series, wet and dry tank/silo series, flapper valve/butterfly valve and other series. All can be designed and modified according to the demands of users.

The team has 10 technical engineers, 40 production and manufacturing personnel, and 60 installation and commission personnel. The equipment manufacturing capacity is 2000T per year.



MANUFACTURING WORKSHOPS



General assembly belt dryer



General assembly heat pump



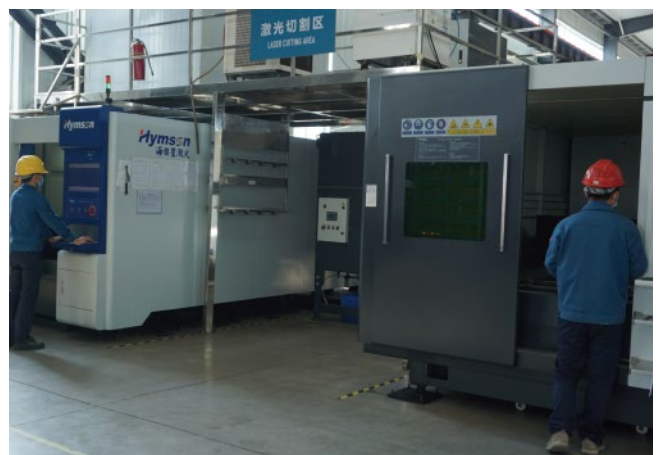
Heat exchangers



Peripherals



Mechanical processing



CNC fabrication

SHINCCI SOLUTION



Low Temperature Sludge Drying

The SHINCCI Low Temperature Sludge Drying Solution can simply reduce sludge moisture content from 80% (20% solids) to 30-10% (70-90% solids) with a reduction as high as 80%, which has been widely applied in sludges generated from municipal, printing & dyeing, chemical, pharmacy, papermaking, coal slime, automobile, electroplating, leather industries, etc. The whole treatment process is energy-efficient and eco-friendly, and the final product could be taken for environmental-friendly disposal or resource utilization such as incineration, pyrolysis, carbonization, blending combustion, compost, raw materials for building, etc.



Municipal



Printing & Dyeing



Chemical



Pharmacy



Papermaking



Coal slime



Automobile



Electroplating

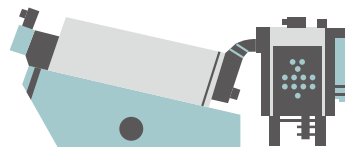


Leather



Sewage Concentration Tank (sludge with 99% MC)

Delivered to >



Sludge dewatered to 80% MC by Dehydrator



Dried sludge hauled by the trailer

< Dried sludge



Sludge dried to 30-10% MC by SHINCCI Sludge Dryer

Delivered to >

< Transported to



Resource Utilization

HOW DRYING WORKS

The Mechanism of Low Temperature Drying

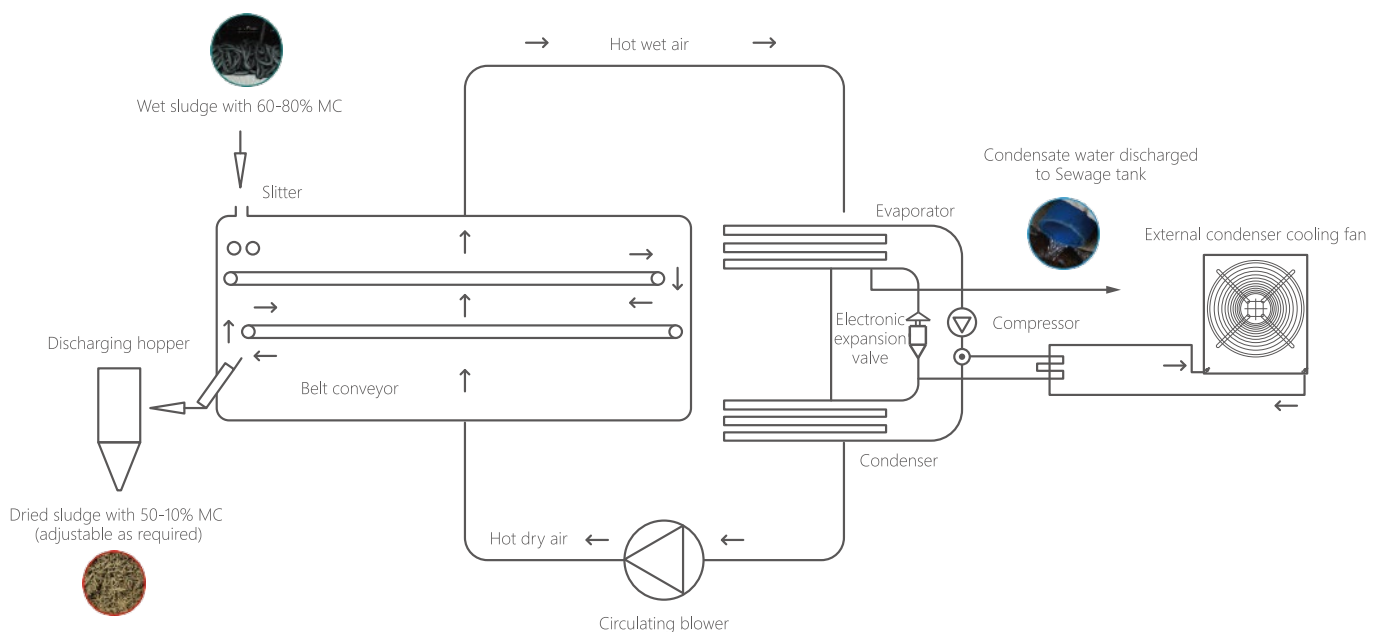
It is equal to:

1) the dehumidification of sludge on the Mesh Belts or moisture removal process
PLUS

2) a Heat Pump with air cycle or energy recycling process.

And,

the Mesh Belts have variable frequency control to vary their speed, so the sludge laid on the Mesh Belts can be reduced to arrive at a final product with the moisture content adjustable as required (50-10% MC).



TECHNICAL FEATURES



10%

EFFICIENCY

- Sludge moisture content can be reduced from 80% to 10% (20% to 90% Solids), adjustable as required. Optimized evaporation efficiency, available to automatically operate 24/7 with minimized operator attendance.
- Sludge volume can be reduced by 67% and weight by 80%, this results in 1 truckload to be hauled where there used to be 5 loads.

1:4.5

INNOVATION

- The dehumidification capacity reaches as high as 4.5 kg.H₂O/kW.h, which is the world's leading technology standard.
- Energy-consumption saved by 50% compared to the current industry standard.

160 kWh/T

ECONOMIC

- The energy consumed during the process is only the electricity needed to operate the compressors and the fans or air handlers. The electric energy demand for drying sludge moisture content from 80% to 30% is only 160 kWh/T



STABILITY&DURABILITY

- Adopting durable and anti-corrosive material to make sure a service life as long as 15 years. Proven in hundreds of installations worldwide.
- Modularization design for easy assembly while saving floor space. Suitable for any working condition at high or low temperatures.



ENVIRONMENT

- Sustainable and eco-friendly process, with enclosed design to minimize odor emission; Available to be built inside the factory for sludge centralized processing.
- The clear condensate water from the drying process can directly drain to sewage pool without any secondary treatment.

100%

UTILIZATION

- No heat waste during the drying process in a closed loop system.
- No need for high temperature heating like other open-type drying equipment.



SAFETY

- Low processing temperature of 40-75°C in a closed cabinet ensuring long-term disposal safety.
- Outlet sludge < 50°C requiring no need for secondary cooling which allows it to be stored directly.



STERILIZATION

- With pasteurization (low-temperature heating sterilization) at 70°C drying for 90-120 minutes, it can sterilize over 90% bacteria effectively.

SHS INTEGRATED BELT-TYPE SLUDGE DRYER

- **Integrated Structure**

Heat pump, Mesh belts and Insulation boards are all combined in one integrated module, which improves airtightness and makes on-site installation easier

- **Stainless Steel Design**

Heat exchangers and Refrigerant pipes are made of SUS316L instead of copper, and with SUS316L base of dryer replacing aluminium alloy support, making sure a strong anti-corrosion performance

- **Electronic Expansion Valve**

Expansion valves adopted electronic type so as to increase dehumidification capacity

- **Compressors well-protected**

Compressors are all installed in independent chambers, well-protected from the corrosive-gas to extend their service life

- **Smart Design for Blowers**

Two modules share one blower and the belt-driven type blower is installed in the Heat pump module instead of the Mesh belts module, which makes cleaning and maintenance easier

- **Flexible Service Access Door**

The service access door is upgraded to quick-opening type and improved with unique airtight structure design, making maintenance and inspection easier and effectively

TECHNICAL PARAMETERS

Model	SHS750FL	SHS1350FL	SHS3000FL	SHS6000FL	SHS9000FL
Rated Standard Dehumidification Capacity (kg/24h)	750	1350	3000	6000	9000
Rated Standard Dehumidification Capacity (kg/h)	31.3	56.3	125	250	375
Rated Standard Operating Power (kW)	10	18	35	67	99
Refrigerating System (set)	1	1	4	8	12
Footprint dimension (mm)	2625×1277×1850	3470×1277×2320	4100*2140*2240	6800*2140*2240	9500*2140*2240
Structure	Whole Set	Whole Set	Whole Set	Assembled Set	Assembled Set
Weight (metric ton)	1.6	2.0	3.2	5.8	8.0

Model	SHS10800FL	SHS16200FL	SHS21600FL	SHS27000FL	SHS32400FL
Rated Standard Dehumidification Capacity (kg/24h)	10800	16200	21600	27000	32400
Rated Standard Dehumidification Capacity (kg/h)	450	675	900	1125	1350
Rated Standard Operating Power (kW)	118	174	230	286	343
Refrigerating System (set)	8	12	16	20	24
Footprint dimension (mm)	8050*3060*2750	11300*3060*2750	14550*3060*2750	17800*3060*2750	21050*3060*2750
Structure	Assembled Set	Assembled Set	Assembled Set	Assembled Set	Assembled Set
Weight (metric ton)	9.1	12.3	15.5	17.7	21.9

»Appendix:

Cooling Method	Forced-air Cooling FL
Refrigerant	R134a
Drying Temperature	48 ~ 56°C (recycle air) / 65 ~ 80°C (supply air)
Control System	Touch screen + PLC programmable control system

★ Deviation between the Actual Dehumidification Capacity and the Rated Standard Dehumidification Capacity may happen due to the sludge type, shaping formability of various sludges, and the dust amount etc. Please consult SHINCCI for details.

SHS INTEGRATED WASTE-HEAT SLUDGE DRYER

• Integrated Structure

Heat pump, Mesh belts and Insulation boards are all combined in one integrated module, which improves airtightness and makes on-site installation easier

• Stainless Steel Design

Heat exchangers and Circulating water pipes are made of SUS316L instead of copper, and with SUS316L base of dryer replacing aluminium alloy support, making sure a strong anti-corrosion performance

• Smart Design for Blowers

Two modules share one blower and the belt-driven type blower is installed in the Heat pump module instead of the Mesh belts module, which makes cleaning and maintenance easier

• Flexible Service Access Door

The service access door is upgraded to quick-opening type and improved with unique airtight structure design, making maintenance and inspection easier and effectively

TECHNICAL PARAMETERS

Model	SHS10000WH	SHS15000WH	SHS20000WH	SHS25000WH	SHS30000WH
Rated Standard Dehumidification Capacity (kg/24h)	10000	15000	20000	25000	30000
Rated Standard Dehumidification Capacity (kg/h)	416	624	832	1040	1248
Rated Standard Operating Power (kW)	34	48	62	76	90
Standard Heat-supplied Power (kW)	360	540	720	900	1080
Hot Water Flow Rate (m³/h)	15.6	23.4	31.2	39	46.8
Standard Cooling Power (kW)	320	480	640	800	960
Cooling water flow rate (m³/h)	23	34.5	46	57.5	69
Module Quantity (set)	6	8	10	12	14
Footprint dimension (mm)	8050×3060×2750	11300×3060×2750	14550×3060×2750	17800×3060×2750	21050×3060×2750
Structure	Assembled Set	Assembled Set	Assembled Set	Assembled Set	Assembled Set
Weight (metric ton)	8.6	12.3	14.8	16.5	20.4

Model	SHS35000WH	SHS40000WH	SHS45000WH	SHS50000WH
Rated Standard Dehumidification Capacity (kg/24h)	35000	40000	45000	50000
Rated Standard Dehumidification Capacity (kg/h)	1458	1667	1875	2083
Rated Standard Operating Power (kW)	104	118	132	146
Standard Heat-supplied Power (kW)	1260	1440	1620	1800
Hot Water Flow Rate (m³/h)	54.6	62.4	70.2	78
Standard Cooling Power (kW)	1120	1280	1440	1600
Cooling water flow rate (m³/h)	80.5	92	103.5	115
Module Quantity (set)	16	18	20	22
Footprint dimension (mm)	24300×3060×2750	27550×3060×2750	30800×3060×2750	34050×3060×2750
Structure	Assembled Set	Assembled Set	Assembled Set	Assembled Set
Weight (metric ton)	23.4	26.3	29.3	32.2

» Appendix:

Standard Heat-supplied Condition	85°C / 65°C (hot water etc.)
Standard Cooling Condition	33°C / 45°C (cooling water) (Δt=12°C)
Standard Drying Temperature	50 ~ 65°C (recycle air) / 68 ~ 85°C (supply air)
Control System	Touch screen + PLC programmable control system

★ Deviation between the Actual Dehumidification Capacity and the Rated Standard Dehumidification Capacity may happen due to the sludge type, shaping formability of various sludges, and the dust amount etc. Please consult SHINCCI for details.

TECHNICAL PARAMETERS

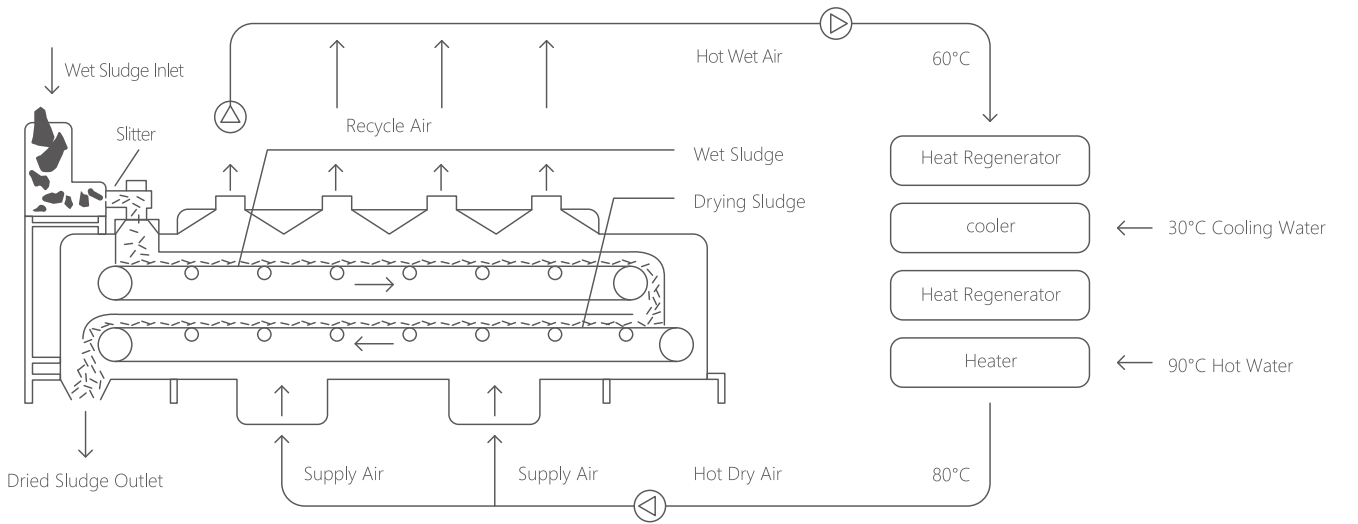
Model	SHS20000WHD	SHS30000WHD	SHS40000WHD	SHS50000WHD	SHS60000WHD	SHS70000WHD	SHS80000WHD
Rated Standard Dehumidification Capacity (kg/24h)	20000	30000	40000	50000	60000	70000	80000
Rated Standard Dehumidification Capacity (kg/h)	832	1248	1667	2083	2500	2917	3333
Rated Standard Operating Power (kW)	66	92	118	144	170	196	222
Standard Heat-supplied Power (kW)	720	1080	1440	1800	2160	2520	2880
Hot Water Flow Rate (m³/h)	31.2	46.8	62.4	78	93.6	109.2	124.8
Standard Cooling Power (kW)	640	960	1280	1600	1920	2240	2560
Cooling water flow rate (m³/h)	46	69	92	115	138	161	184
Module Quantity (set)	6	8	10	12	14	16	18
Footprint dimension (mm)	12200x4100x3300	16050x4100x3300	19900x4100x3300	23750x4100x3300	27600x4100x3300	31450x4100x3300	35300x4100x3300
Structure	Assembled Set	Assembled Set	Assembled Set	Assembled Set	Assembled Set	Assembled Set	Assembled Set
Weight (metric ton)	12.0	16.3	20.6	24.9	29.2	33.5	37.8

Appendix:

Standard Heat-supplied Condition	85°C / 65°C (hot water etc.)
Standard Cooling Condition	33°C / 45°C (cooling water) (Δt=12°C)
Standard Drying Temperature	50 ~ 65°C (recycle air) / 68 ~ 85°C (supply air)
Control System	Touch screen + PLC programmable control system

★ Deviation between the Actual Dehumidification Capacity and the Rated Standard Dehumidification Capacity may happen due to the sludge type, shaping formability of various sludges, and the dust amount etc. Please consult SHINCCI for details.

FLWSHEET



MHR INTEGRATED MULTIPLE-EFFECT-HEAT- RECOVERY SLUDGE DRYER

- **Performance Upgrade**

By the recovery of condensing waste heat and utilization of energy gradient principle, the electric energy consumption is saved by 20%, with dehumidification capacity reaching as high as 4.5 kg.H₂O/kW.h

- **Integrated Structure**

Heat pump, Mesh belts and Insulation boards are all combined in one integrated module, which improves airtightness and makes on-site installation easier

- **Stainless Steel Design**

Heat exchangers and Refrigerant pipes are made of SUS316L instead of copper, and with SUS316L base of dryer replacing aluminium alloy support, making sure a strong anti-corrosion performance

- **Electronic Expansion Valve**

Expansion valves adopted electronic type so as to increase dehumidification capacity

- **Suitable for Drying Materials with Low MC**

With recovery of condensing waste heat, it works for the drying materials with low moisture content (e.g. coal slime) which requires rapid heating up and drying

- **Compressors well-protected**

Compressors are all installed in independent chambers, well-protected from the corrosive-gas to extend their service life

- **Smart Design for Blowers**

Two modules share one blower and the belt-driven type blower is installed in the Heat pump module instead of the Mesh belts module, which makes cleaning and maintenance easier

- **Flexible Service Access Door**

The service access door is upgraded to quick-opening type and improved with unique airtight structure design, making maintenance and inspection easier and effectively



TECHNICAL PARAMETERS

Model	MHR13500SL	MHR20000SL	MHR27000SL	MHR33700SL	MHR40500SL	MHR47000SL
Rated Standard Dehumidification Capacity (kg/24h)	13500	20000	27000	33700	40500	47000
Rated Standard Dehumidification Capacity (kg/h)	563	833	1125	1404	1688	1958
Rated Standard Operating Power (kW)	125	185	240	305	360	420
Cooling water flow rate (m³/h)	7	10	13	17	20	23
Module Quantity (set)	6	8	11	13	16	18
Refrigerating System (set)	8	12	16	20	24	28
Footprint dimension (mm)	10250×3060×2750	14550×3060×2750	18880×3060×2750	23000×3060×2750	26320×3060×2750	31880×3060×2750
Structure	Assembled Set	Assembled Set	Assembled Set	Assembled Set	Assembled Set	Assembled Set
Weight (metric ton)	10.9	15.2	18.5	22.2	26.4	27.9

Model	MHR25000SLD	MHR37500SLD	MHR50000SLD	MHR62500SLD	MHR75000SLD
Rated Standard Dehumidification Capacity (kg/24h)	25000	37500	50000	62500	75000
Rated Standard Dehumidification Capacity (kg/h)	1042	1563	2083	2500	3125
Rated Standard Operating Power (kW)	228	337	442	560	670
Cooling water flow rate (m³/h)	14	20	26	34	40
Module Quantity (set)	7	10	12	15	17
Refrigerating System (set)	8	12	16	20	24
Footprint dimension (mm)	12410×4100×3300	17900×4100×3300	21750×4100×3300	27800×4100×3300	31425×4100×3300
Structure	Assembled Set	Assembled Set	Assembled Set	Assembled Set	Assembled Set
Weight (metric ton)	17.5	24.3	29.6	35.5	42.3

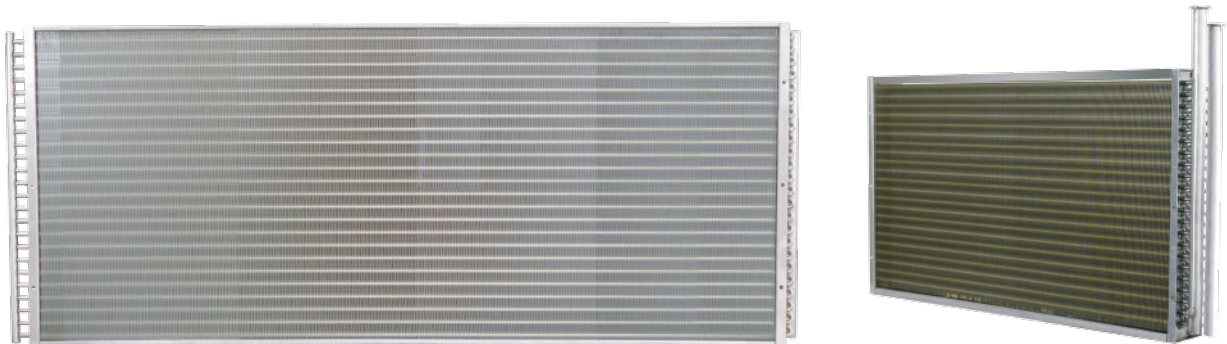
»Appendix:

Cooling Method	Water Cooling SL (Δt=12°C)
Refrigerant	R134a
Drying Temperature	48 ~ 56°C (recycle air) / 65 ~ 80°C (supply air)
Control System	Touch screen + PLC programmable control system

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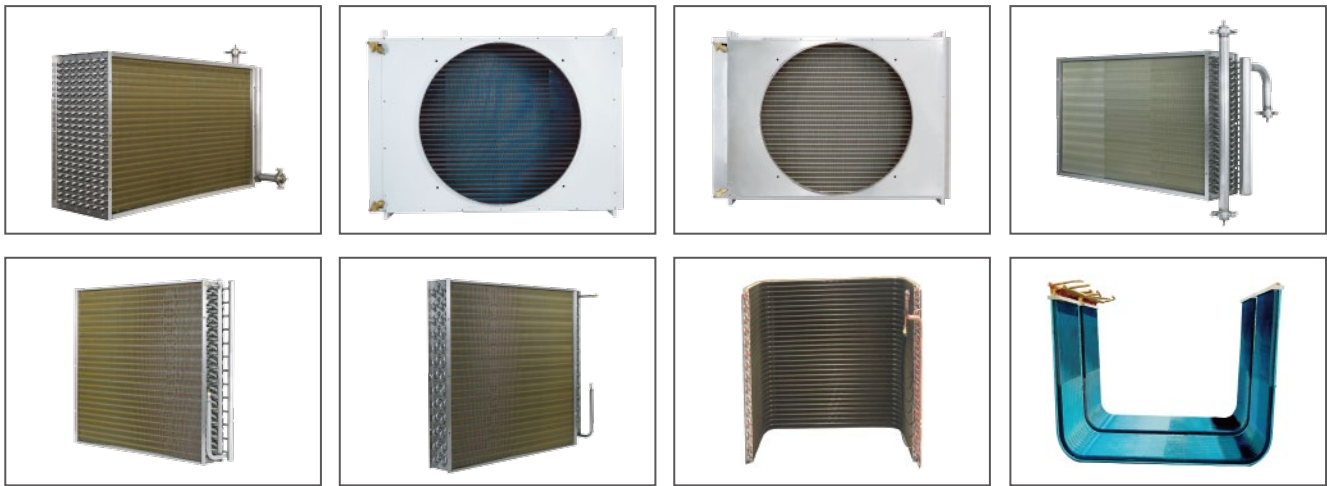
HEAT EXCHANGER SERIES

The product uses advanced tubes and metal aluminum foils to be precisely paired, and the tubes and fins are closely connected through mechanical or hydraulic expansion joints to ensure maximum heat exchange efficiency. The tubes are arranged in a staggered manner, matched with the sinusoidal corrugated sheet design of the fins, to reduce resistance and improve the smoothness of the fluid, thereby ensuring that the coils have high-efficiency heat exchange and transfer performance. All coils have undergone an air tightness test at a pressure of 4.2Mpa.



CONDENSORS

The product uses advanced pipes and metal aluminum foils to be precisely matched, and the pipes and fins are closely connected through mechanical or hydraulic expansion to ensure maximum heat exchange efficiency. The tubes are arranged in a staggered manner and matched with the sinusoidal corrugated design of the fins to reduce resistance and improve the smoothness of the fluid, thereby ensuring that the condenser has high-efficiency heat exchange and transfer performance. All condensers have been tested for airtightness with a pressure of 4.2Mpa.

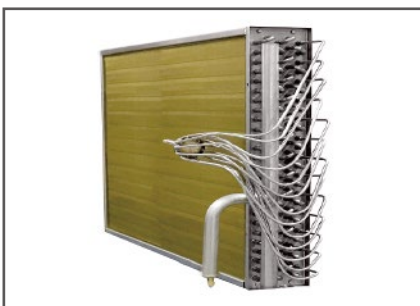
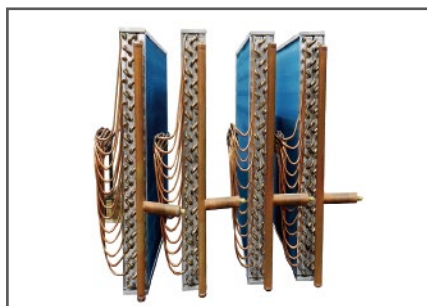


PROCESS TUBE

Types	Fin material	Tubes for gas and liquid receiving	Branch tubes	Scope of use
All red copper combination	Hydrophilic aluminum foil	Red copper	Red copper	Conventional environment
Cupronickel stainless steel combination	Epoxy aluminum foil	316L stainless steel	B30 type cupronickel	Mildly corrosive environment
All stainless steel combination	Epoxy aluminum foil	316L stainless steel	316L stainless steel	Severely corrosive environment

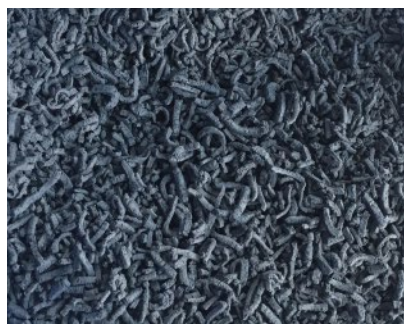
EVAPORATORS

The product adopts advanced copper or stainless steel tube and metal aluminum foil to be precisely matched, and the tube is closely connected with the fin through mechanical or hydraulic expansion method to ensure the maximum heat exchange efficiency. The tubes are arranged in a staggered manner and matched with the sinusoidal corrugated design of the fins to reduce resistance and improve the smoothness of the fluid, thereby ensuring the evaporator has high-efficiency heat exchange and transfer performance. All evaporators have been tested for air tightness at a pressure of 4.2Mpa.



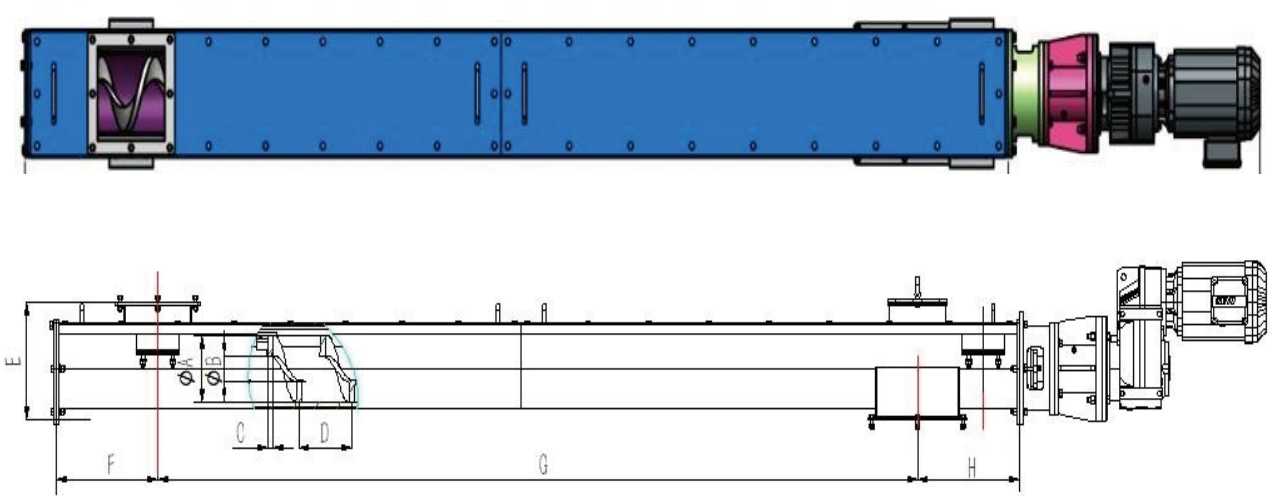
APPLIEN RANGE

It is designed to provide matching solutions for various air conditioning modules, condensing modules and heat pump modules. It is applied to various sectors such as computer rooms, HVAC machines, food machinery and drying, sludge, chemical treatment.



SHAFTLESS SCREW CONVEYOR

Features: Rigorous design of structure, less cross-sectional size, awesome sealing performance, reliable quality, economic manufacturing cost, convenient for intermediate loading and unloading, reversibility of conveying direction and available to be conveyed to two opposite directions at the same time. During the conveying process, the materials can be stirred, mixed, heated and cooled.

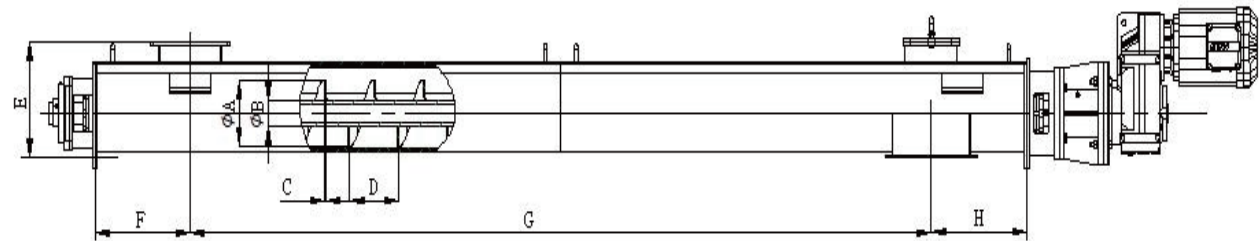
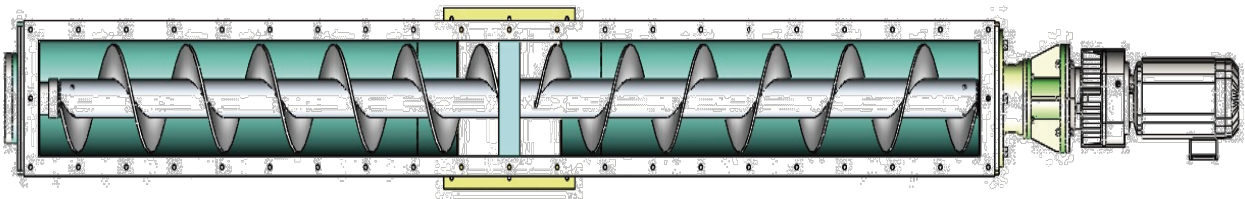


TECHNICAL PARAMETERS

Model	Conveying Volume m³/h	Motor Power Kw	Rotating Speed r/min	Standard Length mm	Total Equipment Weight kg	Blade Material	Blade Specification	Shell material	Shell Thickness mm	Cover Material	Cover Thickness mm
WLS160	1~1.5	2.2~3	15~30	3000	334	304	160*60*160*16	SUS304	4	SUS304	4
						Q355B		SUS304		SUS304	
						Q355B		Q235B		Q235B	
WLS200	1.5~2.5	3~4	15~30	3000	490	304	200*80*200*18	SUS304	4	SUS304	4
						Q355B		SUS304		SUS304	
						Q355B		Q235B		Q235B	
WLS260	2.5~5	4~5.5	15~30	3000	768	304	260*121*260*20	SUS304	5	SUS304	4
						Q355B		SUS304		SUS304	
						Q355B		Q235B		Q235B	
WLS320	5~8	5.5	15~30	3000	892	304	320*146*300*22	SUS304	5	SUS304	4
						Q355B		SUS304		SUS304	
						Q355B		Q235B		Q235B	
WLS360	7~10	7.5	15~30	3000	1135	304	360*168*320*25	SUS304	5	SUS304	4
						Q355B		SUS304		SUS304	
						Q355B		Q235B		Q235B	
WLS420	10~20	7.5~11	15~30	3000	1270	304	420*180*360*28	SUS304	6	SUS304	4
						Q355B		SUS304		SUS304	
						Q355B		Q235B		Q235B	
WLS500	20~30	11~15	15~30	3000	1780	304	500*168*400*30	SUS304	6	SUS304	4
						Q355B		SUS304		SUS304	
						Q355B		Q235B		Q235B	

SINGLE SHAFT SCREW CONVEYOR

Features: Rigorous design of structure, less cross-sectional size, awesome sealing performance, reliable quality, economic manufacturing cost, convenient for intermediate loading and unloading, reversibility of conveying direction and available to be conveyed to two opposite directions at the same time. During the conveying process, the materials can be stirred, mixed, heated and cooled.

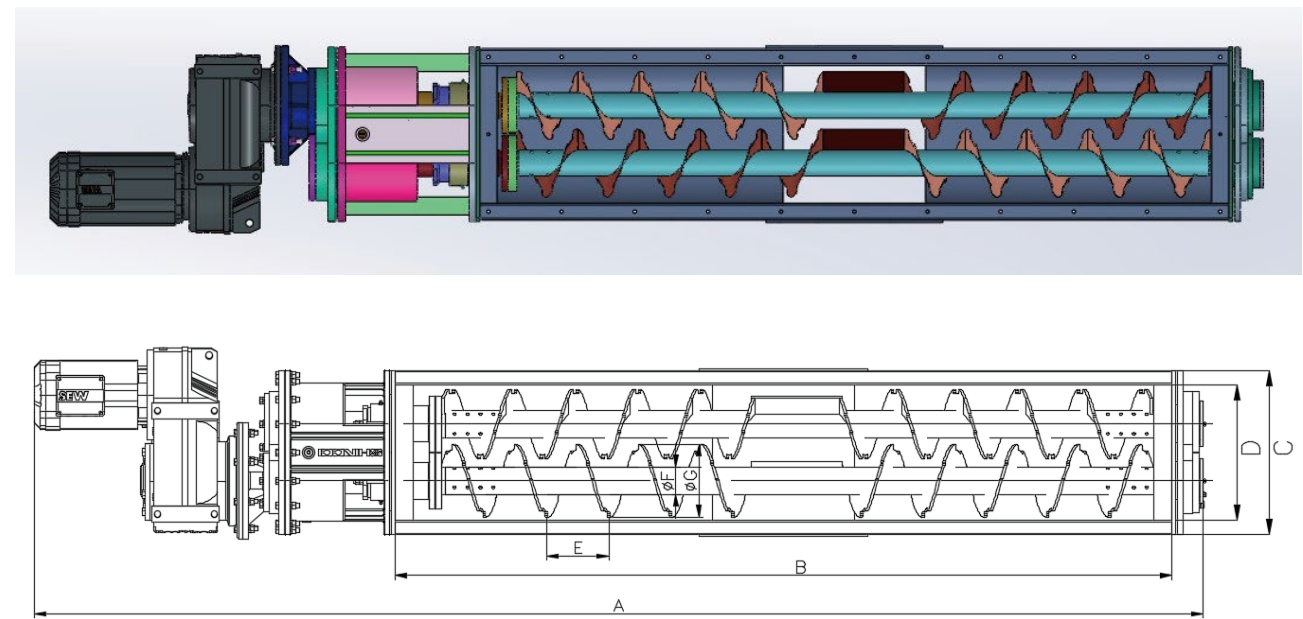


TECHNICAL PARAMETERS

Model	Conveying Volume m³/h	Motor Power Kw	Rotating Speed r/min	Standard Length mm	Total Equipment Weight kg	Blade Material	Blade Specification	Shell material	Shell Thickness mm	Cover Material	Cover Thickness mm
DLS160	1~1.5	1~1.5	1~1.5	3000	342	D	160*60*160*6	SUS304	4	SUS304	4
						Q355B		SUS304		SUS304	
						Q355B		16MN		Q235B	
DLS200	1.5~2.5	1.5~2.5	1.5~2.5	3000	493	304	200*76*200*6	SUS304		SUS304	
						Q355B		SUS304		SUS304	
						Q355B		16MN		Q235B	
DLS260	2.5~5	2.5~5	2.5~5	3000	836	304	260*108*260*8	SUS304	5	SUS304	
						Q355B		SUS304		SUS304	
						Q355B		16MN		Q235B	
DLS320	5~8	5~8	5~8	3000	900	304	320*114*300*10	SUS304	5	SUS304	
						Q355B		SUS304		SUS304	
						Q355B		16MN		Q235B	
DLS360	7~10	7~10	7~10	3000	1150	304	360*121*340*10	SUS304		SUS304	
						Q355B		SUS304		SUS304	
						Q355B		16MN		Q235B	
DLS420	10~20	10~20	10~20	3000	1280	304	420*133*380*10	SUS304	6	SUS304	
						Q355B		SUS304		SUS304	
						Q355B		16MN		Q235B	
DLS500	20~30	20~30	20~30	3000	1780	304	500*168*380*12	SUS304		SUS304	
						Q355B		SUS304		SUS304	
						Q355B		16MN		Q235B	

DOUBLE SHAFT SCREW CONVEYOR

Double Shaft Screw gearbox adopts sandblasting treatment after integral precision casting and to eliminate structural stress. The machining center processed integrally to ensure processing accuracy effectively. The integral assembly form and double-aligning bearings make the equipment run more stable and efficient; combining the characteristics of conveying materials in the sludge industry, the blade adopts toothed blades to effectively break the materials to avoid blockage and jamming.



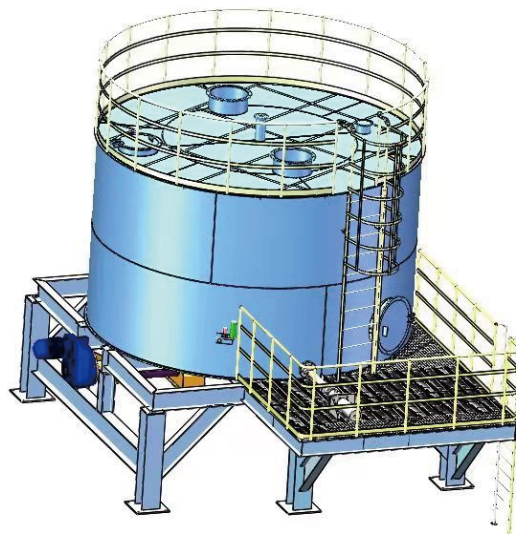
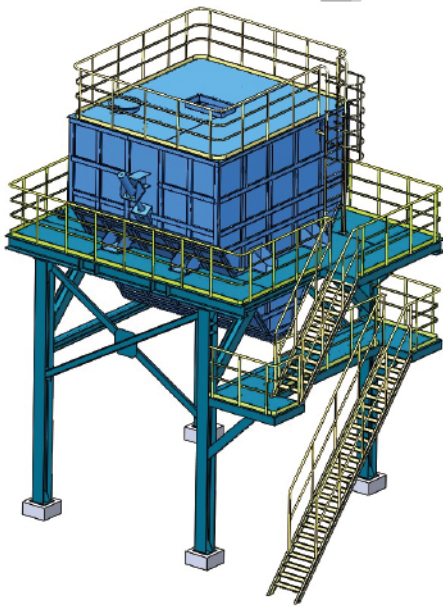
TECHNICAL PARAMETERS

Model	Conveying Volume m³/h	Motor Power Kw	Rotating Speed r/min	Standard Length mm	Total Equipment Weight kg	Blade Material	Blade Specification	Shell material	Shell Thickness mm	Cover Material	Cover Thickness mm
LSS200	3~8	5.5~7.5	15~30	3000	1015	304	200*76*180*6	SUS304	5	SUS304	3
						Q355B		SUS304		SUS304	
						Q355B		16MN		Q235B	
LSS280	8~15	11~15	15~30	300	1890	304	280*108*240*10	SUS304		SUS304	
						Q355B		SUS304		SUS304	
						Q355		16MN		Q235B	

DRY AND WET SILOS AND TANKS

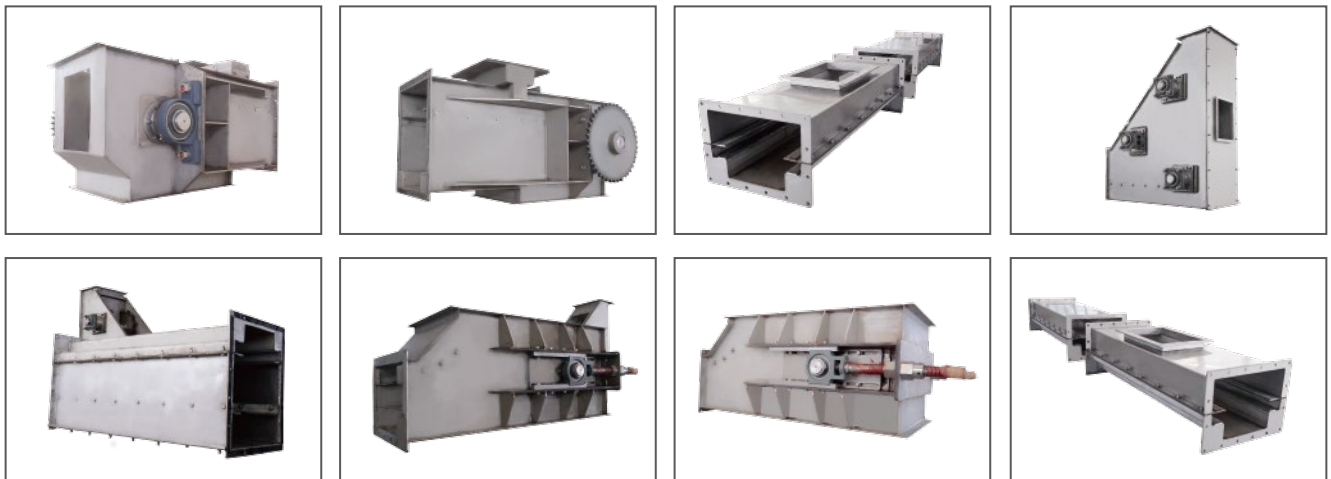
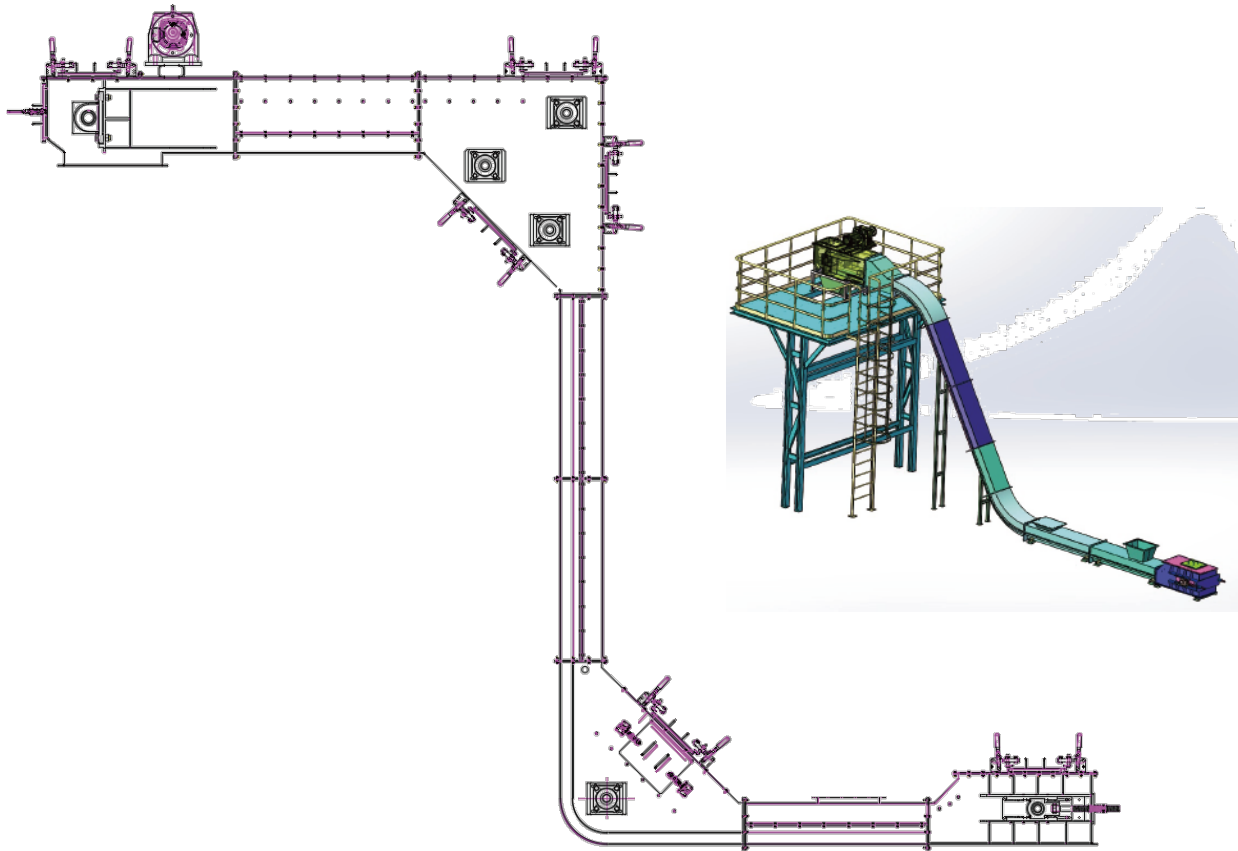
Modular Combination storage tank

50 square meters to 200 square meters to achieve manufacturing trial assembly and test run, to avoid messy logistics and transportation, long on-site tailor welding time, and long installation cycle.



SCRAPER CONVEYOR

Both the scraper body and the transmission part adopt a fully enclosed structure. In the operation of the targeted sludge project, the faults of the conventional scraper are improved. The upper and lower corners adopt the transition form of sprocket sets, and the corners run without damage to ensure the normal operation of the whole machine, so as to achieve no chain drift, no deviation, no mud accumulation; it can operate stably, reliably, smoothly and continuously for a long time under standard conditions, and can meet the requirements of various working conditions such as continuous, intermittent, frequent start and stop, and start under full load.

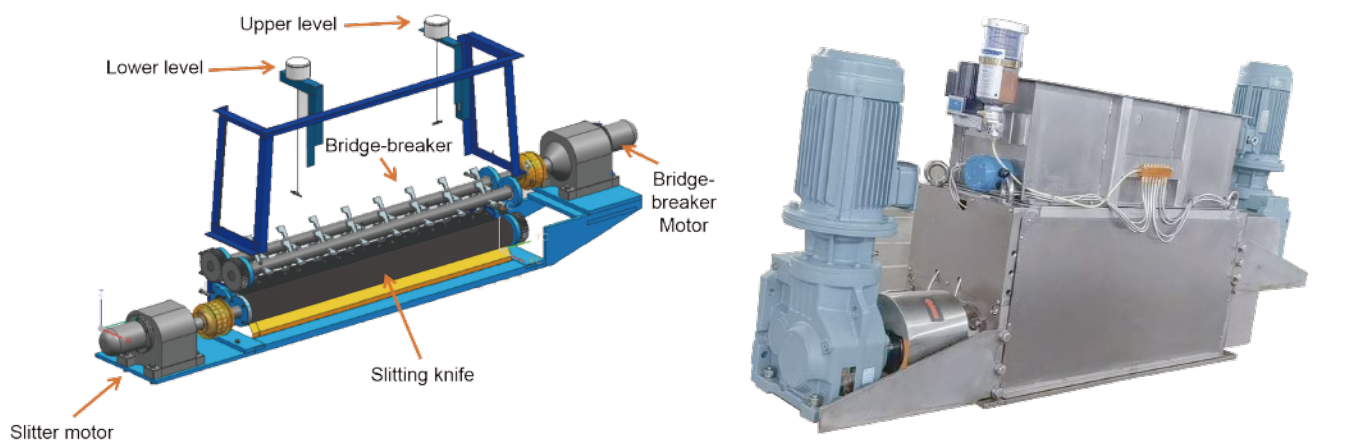


SLITTER

Slitter, also known as the sludge forming machine, is mainly used to cut the block or loose sludge into 6mm*5mm strips, and then transport it to the sludge dryer for drying treatment.

Core Structure and Function

- Upper and lower material level switch: a sensor used to control the amount of material in the silo.
- Bridge breaker device: Send the material down to the round knife, and at the same time, it can break the block material.
- Round knife: squeeze and cut the sludge into strips.
- Copper comb scraper: scrape the strip of sludge to the mesh belt.

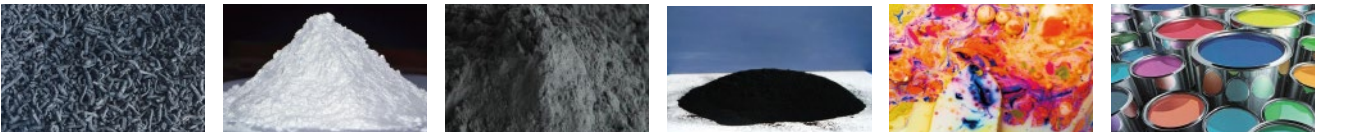


Mechanism

The sludge enters the silo, the bridge-breaking device sends the sludge down to the round knife, the round knife squeezes the sludge into a stronger strip, and then the copper comb scraper scrapes the strip sludge to the conveyor mesh belt.

Application Range

It is suitable for the shaping of sludge, calcium carbonate production, titanium, carbon black, as well as filter-like materials such as pigments and dyes.



TECHNICAL PARAMETERS

Model	SQ950	SQ1600	QT1250
Power (KW)	2.2	5.5	2.2
Weight (kg)	428	836	416
Material	304 stainless steel	304 stainless steel	304 stainless steel

REFERENCE PROJECTS

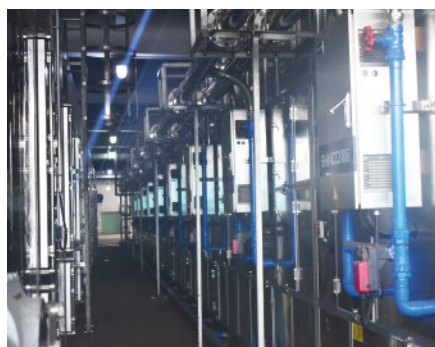
MAKE EVERY PROJECT A SUCCESSFUL REFERENCE

Over the years, SHINCCI has been working with a wide range of customers and business partners committed to define the most appropriate solutions for sludge drying.

To date, hundreds of SHINCCI installations are successfully operated all over the world. We are proud to make each and every project that we build for our customers as a successful reference both in its industry and region, which we call it "double-reference", and this is the exact reason that they trust us.

> They trust us





JIALIDA ENVIRONMENTAL CORP, FOSHAN

【SLUDGE TYPE】

Printing&Dyeing

【SLUDGE SCALE】

1000T/D

【MC OF WET SLUDGE】

85%

【MC OF DRIED SLUDGE】

30%



CHANG SHAN YUAN WWTP, HUNAN

【SLUDGE TYPE】

Municipal

【SLUDGE SCALE】

300T/D

【MC OF WET SLUDGE】

80%

【MC OF DRIED SLUDGE】

50%



LUOFANG WWTP, SHENZHEN

【SLUDGE TYPE】

Municipal

【SLUDGE SCALE】

600T/D

【MC OF WET SLUDGE】

65%

【MC OF DRIED SLUDGE】

50%



XI'AN WWTP

【SLUDGE TYPE】

Municipal

【SLUDGE SCALE】

500T/D

【MC OF WET SLUDGE】

75%

【MC OF DRIED SLUDGE】

35%



ENERGY INVESTMENT CO, SICHUAN

【SLUDGE TYPE】

Municipal

【SLUDGE SCALE】

100T/D

【MC OF WET SLUDGE】

80%

【MC OF DRIED SLUDGE】

30%



GUANGZHOU BAIYUN AIRPORT WWTP

【SLUDGE TYPE】

Municipal

【SLUDGE SCALE】

30T/D

【MC OF WET SLUDGE】

75%

【MC OF DRIED SLUDGE】

30%



JOINCARE BIOTECHNOLOGICAL, HENAN

【SLUDGE TYPE】	【SLUDGE SCALE】	【MC OF WET SLUDGE】	【MC OF DRIED SLUDGE】
Fungal residue	180T/D	65%	30%



SEMICONDUCTOR DISPLAY TECHNOLOGY CO, SHENZHEN

【SLUDGE TYPE】	【SLUDGE SCALE】	【MC OF WET SLUDGE】	【MC OF DRIED SLUDGE】
Chemical	95T/D	80%	30%



PHARMACEUTICAL PLANT, POLAND

【SLUDGE TYPE】

Pharmaceutical

【SLUDGE SCALE】

5T/D

【MC OF WET SLUDGE】

83%

【MC OF DRIED SLUDGE】

30%



SIGHISOARA SEWAGE TREATMENT PLANT, ROMANIA

【SLUDGE TYPE】

Municipal

【SLUDGE SCALE】

20T/D

【MC OF WET SLUDGE】

80%

【MC OF DRIED SLUDGE】

10%



YUMA SEWAGE TREATMENT PLANT, USA

【SLUDGE TYPE】

Municipal

【SLUDGE SCALE】

6.5m³/d

【MC OF WET SLUDGE】

98%

【MC OF DRIED SLUDGE】

30%



SCALEA WWTP, ITALY

【SLUDGE TYPE】

Municipal

【SLUDGE SCALE】

3T/D

【MC OF WET SLUDGE】

75%

【MC OF DRIED SLUDGE】

20%



SLUDGE DISPOSAL PROJECT, REPUBLIC OF KOREA

【SLUDGE TYPE】

Municipal

【SLUDGE SCALE】

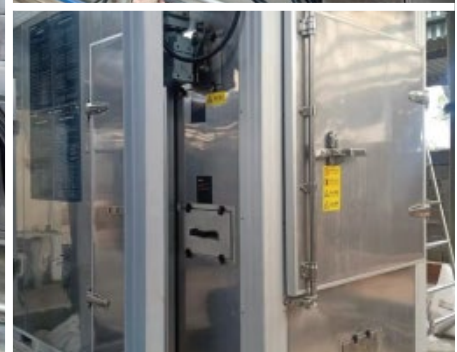
10T/D

【MC OF WET SLUDGE】

78-83%

【MC OF DRIED SLUDGE】

10%



SEWAGE PLANT, INDONESIA

【SLUDGE TYPE】

Printing&Dyeing

【SLUDGE SCALE】

0.8T/D

【MC OF WET SLUDGE】

80%±2%

【MC OF DRIED SLUDGE】

15~20%



WASTE-HEAT PILOT MACHINE PROJECT, THAILAND

【SLUDGE TYPE】

Slaughterhouse
bio sludge

【SLUDGE SCALE】

5T/D

【MC OF WET SLUDGE】

80%±2%

【MC OF DRIED SLUDGE】

30%-40%



SLUDGE DISPOSAL PROJECT, NINGXIA

【SLUDGE TYPE】

Municipal

【SLUDGE SCALE】

100T/D

【MC OF WET SLUDGE】

85%

【MC OF DRIED SLUDGE】

35%