

RESPECT
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Accessen

Shanghai Accessen Group Co., Ltd.

No.1458 Xuechun Rd,
Jiading District, Shanghai, China Post code: 201804

✉ trade@accessen.com

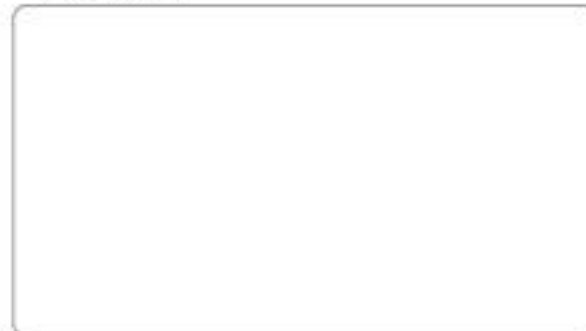
☎ +86 21 6959 5277

☎ +86 21 6959 0007

🌐 www.accessen.com



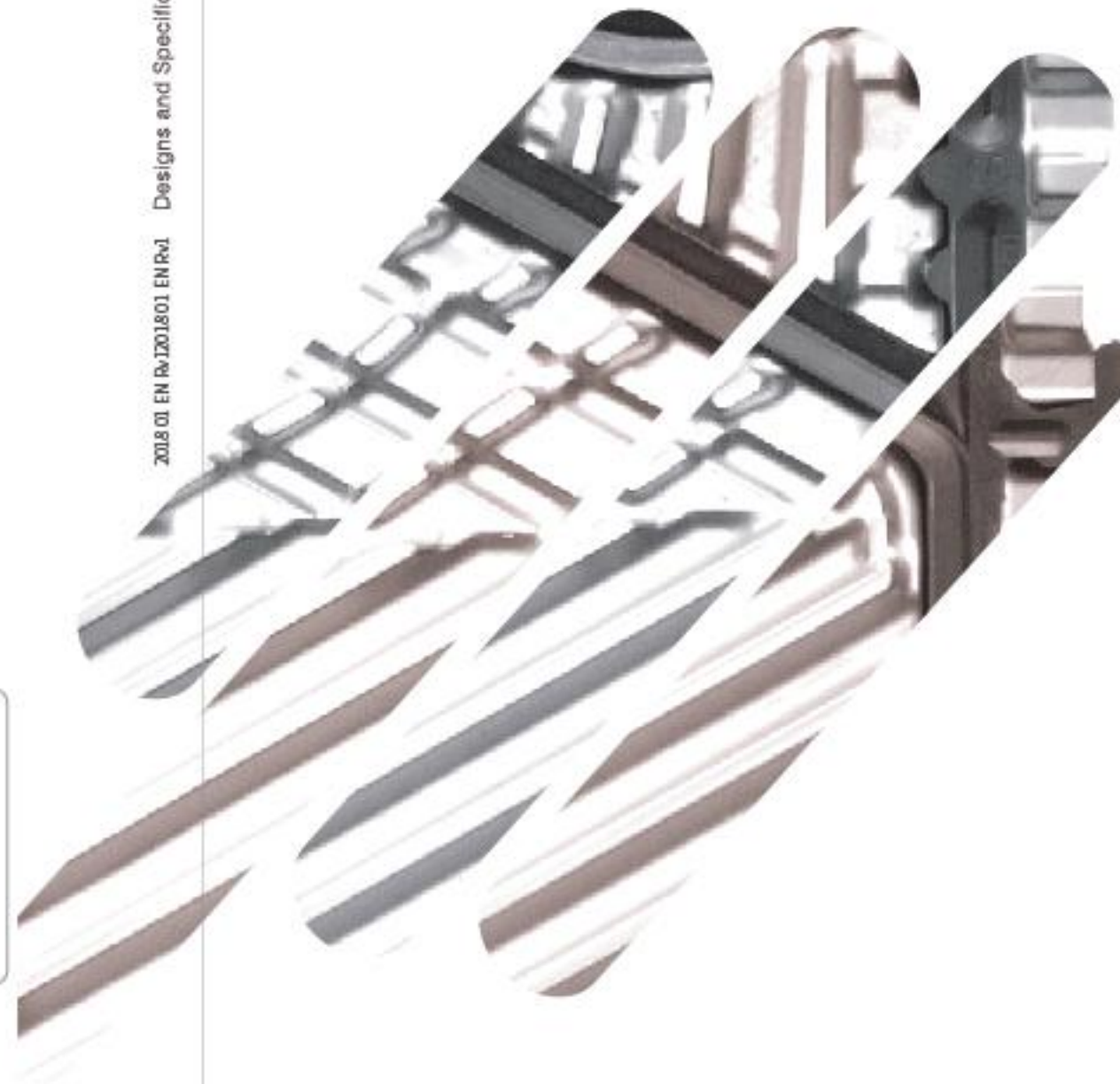
Distributors



2018 01 EN Rv1201801 EN Pv1 Designs and Specifications are subject to change without notice for further improvement.

■ Heat Exchanger

Flexible on demands



Accessen



Accessen in short

Accessen Group Co., Ltd. professionally specializes in heat exchangers R&D, manufacturing, sales and service. We passed the ISO9001: 2000 Quality System Certification, ISO14001: 2004 Environmental System Quality Certification and OHSAS18001: 1999 Occupational Health and Safety System Certification.

3 manufacturing bases

Accessen's three manufacturing bases are located in Shanghai and Jiangsu China. Established in Shanghai, in the year 2002. With over 100,000 square meters in total, producing up to 30,000 heat exchangers and 5,000 heat exchanger units annually.

Flexible on demands

The core of Accessen's operation is based on one key feature: customized products. Complying with ASME, PED-CE, API, JIS, IEC, DNV, ABS, BV, CCS, GB and other international specifications and standards.

2 business divisions

Accessen's business is divided into two divisions covering HVAC and Industrial. Our customers are found in various industries such as commercial building, district heating, refrigeration, oil & gas, textile, waste water treatment, marine, power and food to mention a few. In addition, a dedicated service organization which supports our customers to ensure that they can continue to rely upon the excellent performance of their Accessen equipment.

600 employees worldwide

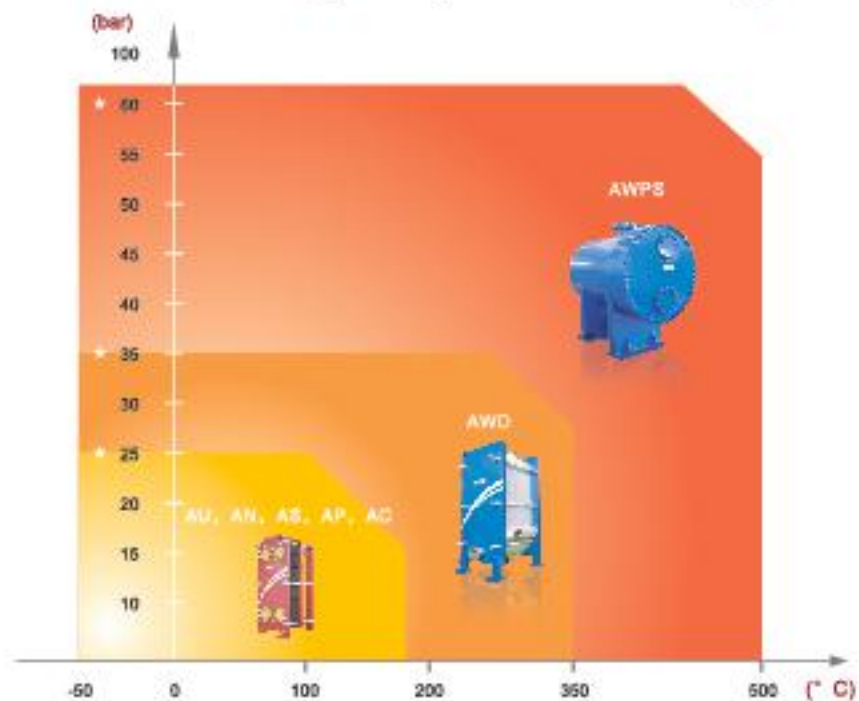
Accessen currently has about 600 employees worldwide.

Milestones

- **2002**
Accessen was founded in 2002. Imported US heat exchanger technology into the workshop.
- **2003**
Established Shanghai Accessen Group Co., Ltd.
- **2006**
New type DN500, the biggest PHE type went to production. Supplied PHE for nuclear power industry.
- **2007**
Construction of Shanghai Xiechun manufacturing base
- **2008**
New type, all welded heat exchanger went to production.
- **2010**
Attained API, ASME, CE, ABS, LR, DNV, GL certificate.
- **2011**
Shanghai Xiechun manufacturing base in operation and the construction of Talcang manufacturing base.
- **2012**
The world's biggest heat exchanger manufacturing facility.
- **2013**
Achieved the LEED certification for Capital Land project.
- **2015**
Production of Amobile, a heat exchange packaged unit.
- **2016-2017**
Wuhan Greenland project. Highest building in China. (636m)
- **2018**
New Journey



Comparison between the three types of plate heat exchanger



1 Gasket Plate Heat Exchanger



Plate Material	Media
Stainless steel/Alloy/Alloy304	Pure Water, River Water, Edible Oil, Mineral Oil
Titanium	Sea Water, Salt Water, Salt Material
Alloy 254 SMO	Thin Sulfuric Acid, Thin Salt Fluid, Inorganic Liquor
Ni	High Concentration Caustic Soda
Alloy C276	Concentrated Sulfuric Acid, Hydrochloric Acid, Phosphoric Acid

	Minimum	Maximum
Heat Transfer Area(M ²)	3	2500m ²
Design Temperature(°C)	-50	200
Design Pressure(Bar)	Vacuum	25
Design Code	DIN/ GB/ GOST/ ASME/ JIS	

Gasket Material	Temperature	Media
NBR	-15 — +110	Water, Sea Water, Mineral Oil, Salt Water
HNBR	-15 — +140	High Temperature Mineral oil and Water
EPDM	-25 — +150	Hot Water, Steam, Acid, Alkali
HEPDM	-25 — +180	Hot Water, Steam, Acid, Alkali
Viton®	-5 — +180	Acid, Alkali, Fluid

Frame:

- Carbon steel
- Coated stainless steel
- Stainless steel

Nozzles:

- Carbon steel
- Metal lined: Stainless steel, Titanium
- Rubber lined: Nitrile, EPDM
- Pipe: Stainless steel

◆ Application

HVAC, Electrical Energy, Steel Industry, Circulation water cooling, Food & Beverage, Pharmaceuticals, Solar Industry, Electronics Industry, Chemical, Textile, Paper Industry, Machinery manufacture, Auto Industry, Marine.

Main Technical Parameters of ACCESSEN Plate Heat Exchanger

Model Specifications	Interface Diameter mm	Maximum Throughput m ³ /h	Maximum Use Of Pressure MPa	Maximum Test Pressure MPa	Maximum Heat Transfer Area m ²	Maximum Width mm	Maximum Height mm	Maximum Length mm	Maximum Weight kg
AU3	DN32	15.0	2.0	2.6	5	225	525	425	85
AU5	DN50	36.0	2.0	2.6	15	334	840	1030	315
AU8	DN80	110.0	2.5	3.25	50	475	1000	2025	635
AU10L1	DN100	190.0	2.5	3.25	70	514	1160	2025	685
AU10L2	DN100	190.0	2.5	3.25	110	514	1485	2025	1145
AU15L1	DN150	360.0	2.5	3.25	170	620	1540	2650	1675
AU15L2	DN150	360.0	2.5	3.25	350	620	1971	3050	2345
AU20	DN200	600.0	2.5	3.25	400	820	2118	3055	3385
AN5	DN50	36.0	2.0	2.6	20	334	840	1030	345
AN10	DN100	190.0	2.5	3.13	150	514	1485	2025	1185
AN15L1	DN150	360.0	2.5	3.13	200	620	1540	2650	2375
AN15L2	DN150	360.0	2.5	3.13	400	620	1971	2650	3425
AN25L1	DN250	900.0	2.5	3.13	700	880	2411	3495	5325
AN25L2	DN250	900.0	2.5	3.13	1000	880	2693	3495	5835
AN30L4	DN300	1500.0	2.5	3.13	1300	1010	3475	3555	9975
AN35L4	DN350	2100.0	2.0	2.6	1700	1240	3072	3555	9065
AN40L4	DN400	2500.0	2.0	2.6	2200	1373	3620	3515	10765
AN45L4	DN450	3500.0	2.0	2.6	2800	1440	3760	3505	12875
AN50L4	DN500	4500.0	2.0	2.6	3200	1540	3760	3505	12765
AS6	DN65	70.0	2.0	2.6	10	415	705	1040	295
AS20	DN200	600.0	2.0	2.6	80	764	1317	3455	1745
AS25	DN250	900.0	2.0	2.6	130	904	1502	3475	2285

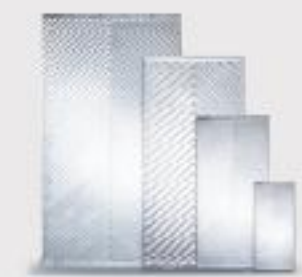
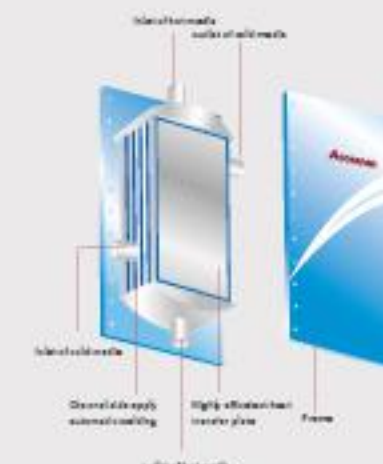
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2 All-welded Plate And Frame Heat Exchanger AWD Series

Plate Material	Media	Minimum	Maximum
Stainless steel/Alloy/ Alloy 304	Pure Water, River Water, Edible Oil, Mineral Oil	Heat Transfer Area (M ²)	3 500
Titanium	Sea Water, Salt Water, Salt Material	Design Temperature(°C)	-50 350
Ni	High Concentration Caustic Soda	Design Pressure(Bar)	Vacuum 35
Alloy C276	Concentrated Sulfuric Acid, Hydrochloric Acid, Phosphoric Acid	Design Code	DIN/ GB/ GOST/ ASME/ JIS

◆ Application

Machinery manufacture, Marine, Desalination, Electrical Energy, Petrochemicals, Food & Beverage, Pharmaceuticals, Paper Industry, Refrigeration, Industrial, Organic Chemical.



3 All-welded Plate And Shell Heat Exchanger AWPS Series

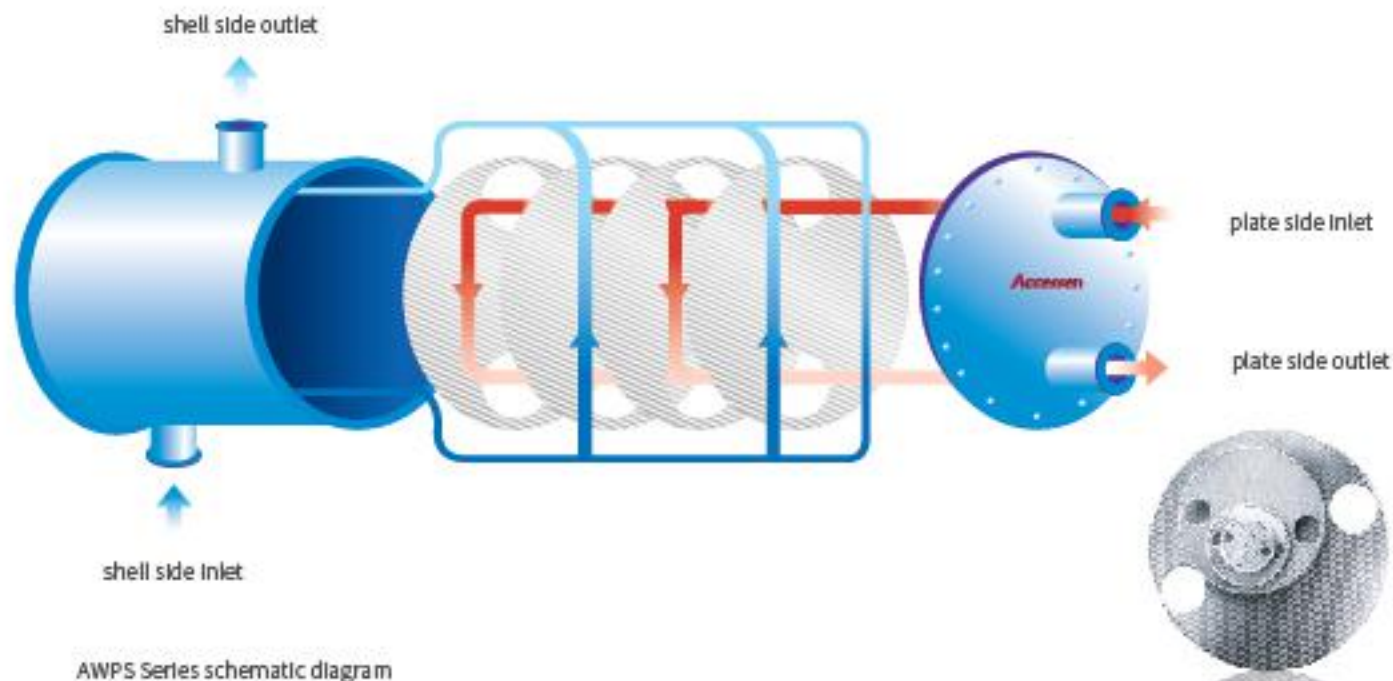
Plate Material	Media
Stainless steel Alloy/ Alloy 304	Pure Water, River Water, Edible Oil, Mineral Oil
Titanium	Sea Water, Salt Water, Salt Material
NI	High Concentration Caustic Soda
Alloy C276	Concentrated Sulfuric Acid, Hydrochloric Acid, Phosphoric Acid

	Minimum	Maximum
Heat Transfer Area(M ²)	3	1500
Design Temperature(°C)	-100	500
Design Pressure(Bar)	Vacuum	80
Design Code	DIN/ GB/ GOST/ ASME/ JIS	



◆ Application

Machinery manufacture, Marine, Desalination, Electrical Energy, Petrochemicals, Food & Beverage, Pharmaceuticals, Paper Industry, Refrigeration, Industrial, organic chemical.



4 AMOBILE Movable Container Exchange Heating Station

◆ Application

Central heating, air conditioner, domestic water heating, refrigeration, remote control system and heating and other customized cooling system.

◆ Main specifications

Maximum output: 2,500m³/h
 Maximum design pressure: 25bar
 Maximum temperature resistance: 150°C
 Plate materials: AISI 304, 316...



◆ Characteristics

Unique system design
 Compact structure design which minimizes area and construction cost during installation.
 Smart design, un manned computer interface and remote monitoring.
 Reliable assembly of components and parts.
 Professional service team, efficient response and lifetime warranty.
 Operating personnel will be trained professionally.

Unit model	Heat exchange volume Diameter (KW)	Maximum heating volume x 10 ⁴ Kcal/h	Maximum flow of secondary side (m ³ /h)	Unit dimension (mm) LxWxH	Unit weight (kg)
SH005	300	26	11	1500*900*1400	1000
SH010	600	52	21	1500*1000*1400	1200
SH015	900	78	31	1700*1200*1400	1200
SH020	1200	104	42	1700*1200*1400	1400
SH025	1500	129	52	1700*1200*1400	1400
SH030	1800	155	62	1900*1400*1600	1800
SH035	2100	181	73	1900*1400*1600	1800
SH040	2400	207	83	1900*1400*1600	1800
SH045	2700	233	93	1900*1400*1600	1800
SH050	3000	259	104	2200*1400*1600	2200

*only for reference

Customizable Plate Heat Exchanger Unit GU Series



The future of advanced manufacturing

ACCESSEN's 3rd factory was launched in October 2014. Equipped with state of the art facilities and having the biggest Plate heat exchanger unit assembling line in China, providing "on demand" heat exchange solutions for HVAC and Industrial applications.

30000



5000



The strength to achieve the future.

Phase III' s Taicang factory total area exceeds 50,000 m² (mainly produces units and system integration products). It has electrophoresis coating, automatic welding and other modern assembly lines. Maximum capacity: producing over 30000 sets of Heat Exchanger and 5000 sets of Heat Exchange Units per year.

We are able to maintain production capacity even when our pressure press production line is halved

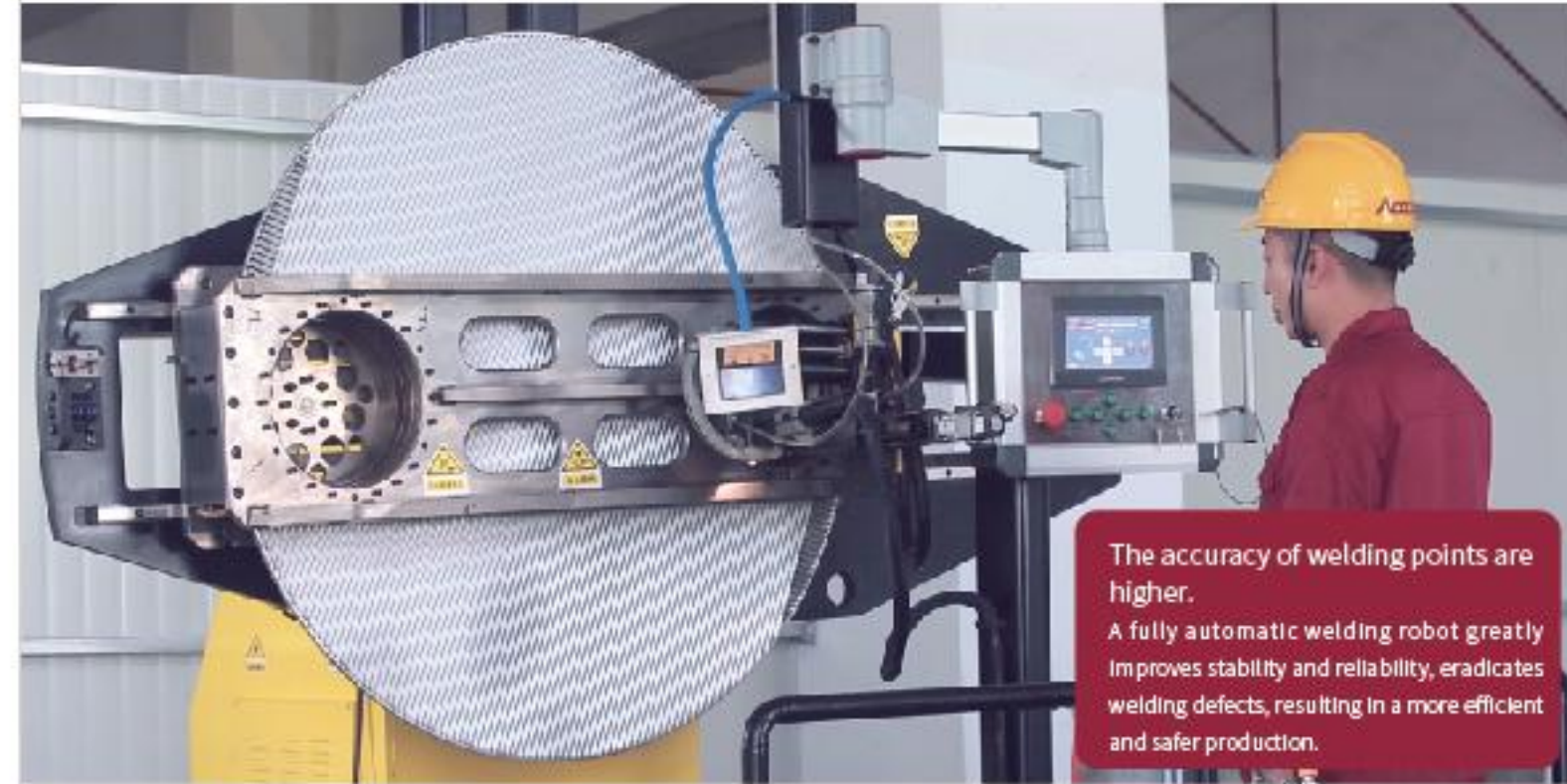
Accessen has a wide range of different press machines. We are able to produce a wide variety of options for a more flexible usage. Improving the accuracy and efficiency of the plate.



Pressure Press load of 20,000 tons

Process determines quality, a new way of smart manufacturing is coming.

How to produce a set of heat exchange equipment with high quality? It needs not only good ideas, skilled worker and advanced processing equipments. Our modern production system can guarantee every set of equipment has a reliable performance through ever-improving production process and manufacturing standard, having a strict quality control system, continuously put through rigorous performance tests.



The accuracy of welding points are higher. A fully automatic welding robot greatly improves stability and reliability, eradicates welding defects, resulting in a more efficient and safer production.

Breaking into first class manufacturing

The whole unit's full performance tests is not limited to only the water pressure test, but also includes the flow, resistance, pump operation, control usage, electrical operation, vibration, noise produced and so on. The machine appearance, including internal wiring, are able to put into use quickly, saving precious time.



The Leading Automated Electrophoresis Coating of heat exchange equipment

From spray coating to high temperature spray molding and then to electrophoresis coating, ACCESSEN is continuously improving in every way possible. Electrophoresis coating provides a uniformed finish on the inside of the pipelines and welding seams which in turn also greatly improves the corrosion resistance, performance, and hydraulics characteristics.



Our capacity to handle 1 single component of 1.5 ton net weight and length up to 2 meters.



Total testing platform, not limited to hydrostatic test, flow resistance, water pump, control, electrical work, such as vibration and noise. Machine appearances including internal wiring, delivery can be put to use quickly, saving you valuable time.

A Safe Guardian

Overlooking the world from China. With buildings higher than the clouds like a colorful fairytale. The view of the world is ever changing, as well as the demanding requirements of temperature difference, pressure and cost. Accessen has always been consistent with China at the highest level, with 0.5°C temperature difference, 30kg pressure limit and 30-maintenance free years, ensuring a safe and secure "life in the sky".

Accessen Skyscrapers Performance



300m
Changsha Huachuang
International Plaza

307m
Kunming Xishan
Wanda Plaza

325m
Guangxi Nanning
Financial Plaza

368m
Foshan
Green Square

610m
Guangzhou
TV Tower

636m
Wuhan
Greenland Center

636m Wuhan Greenland Center
China's tallest building
Second in the world
Building completion by 2019

328m
Chongqing
Tianhe International Center

310.95m
Shenyang Maoye Building

303m
Wuxi Maoye
World Financial Center

300m
Zhengzhou
Green Square



◆ CapitaLand

Raffles City Chengdu

CapitaLand is one of Asia's largest real estate companies. Headquartered and listed in Singapore, the multi-local company's core businesses are in real estate, in real estate, hospitality and real estate financial services. Focusing in higher growth cities in Asia Pacific and Europe.

Chengdu Raffles city started based earthwork construction in January 2008, expected to be completed in year 2013. The office building, and the shopping center were opened in September 2012.
Customer Feedback : Accessen is a high end heat exchanger manufacturer.
The PHE is in accordance to ASME standard and is still performing very well after two years of operation.



◆ Samsung Group

Samsung Group is a South Korean multinational conglomerate headquartered in Samsung Town, Seoul. It comprises of numerous affiliated businesses, with most of them united under the Samsung brand and they are the largest South Korean chaebol (business conglomerate).

Accessen is one of the heat exchanger suppliers for Samsung. Supplied heat exchanger for Samsung Semiconductor (Stage one and two-Waste water treatment, Boiler waste heat recovery, Process cooling water system), Samsung Electro-Mechanics (Process cooling water system), Samsung SDI-ARN (Xi'an) Power Battery Co Ltd (Process cooling water system) and Samsung SDI China Co Ltd (Process cooling water system).



◆ Guangzhou Tianhe-2 Supercomputing Centre

Data centres have extremely stringent temperature control requirements on the stability and reliability of the air-conditioning and cooling equipments. Located in Guangzhou University, the Guangzhou Supercomputing Centre is one of the most crucial and essential parts of the university's district cooling system.

Accessen provided this project with 12 AN series plate heat exchangers which are capable of heat exchange up to 1°C, heat load of 5000KW. 2 GU heat exchanger units, with heat load of 2400KW.



Shanghai bank Data center

