



HFM INTRODUCTION

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Brand

HFM is a global brand of plate heat exchangers and fluid handling equipment supply platform.

We were established in the background of China world manufacturing factory, industrial E-commerce business, and keep growing in the wave of global supply chain reconstruction and domestic innovation revolution. Now HFM is developing into a global industrial equipment supply platform for more users.

- Competitiveness

- Mature and improved global manufacturing and supplying.
- Experienced and knowledgeable global service teams.
- Big-data and application scenario based engineering team.
- Zero time difference response professional sales team.
- Innovative IT development management for digital economy.

- Visions

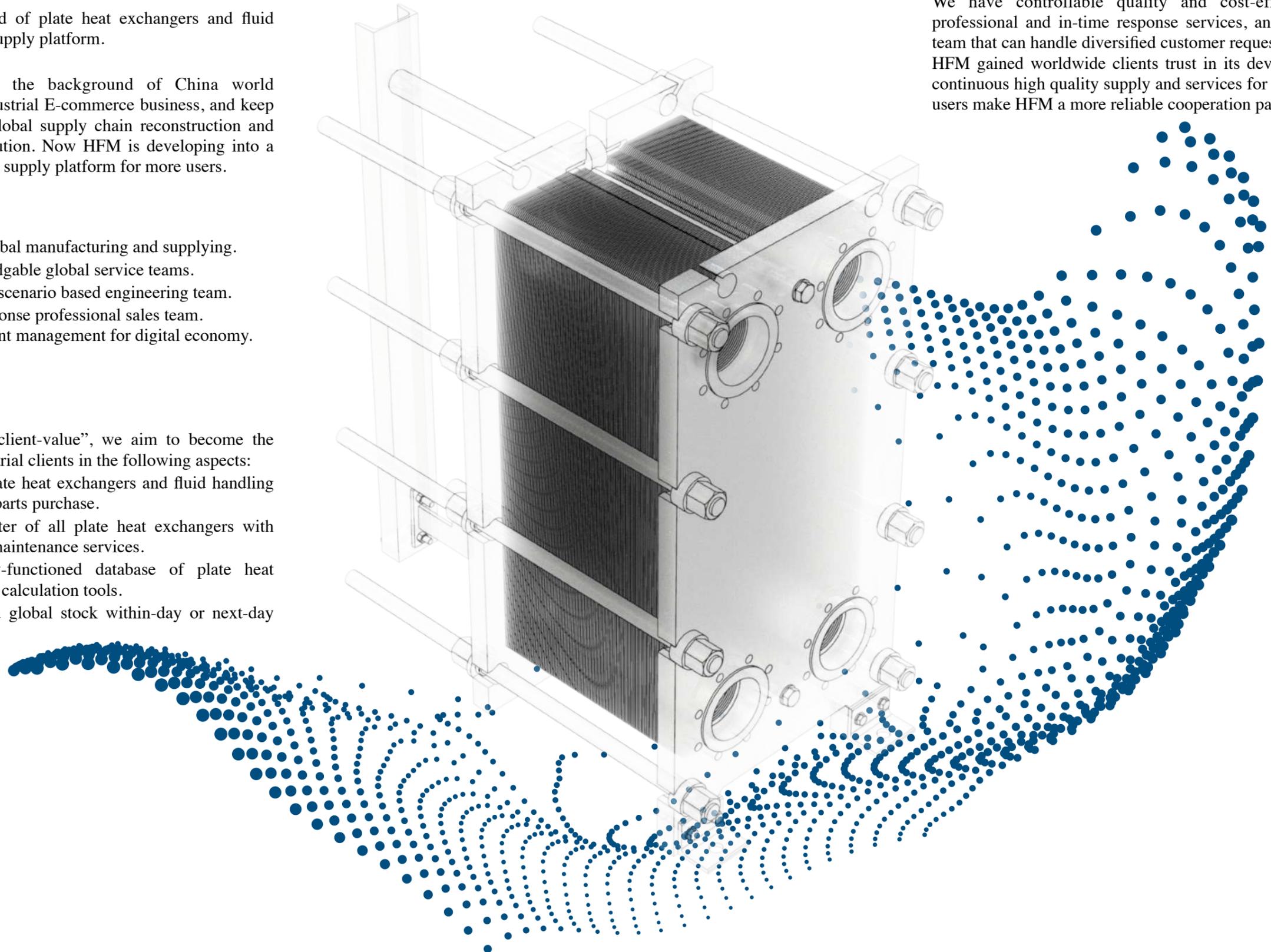
HFM bear in mind the “client-value”, we aim to become the priority choice to the industrial clients in the following aspects:

- One-stop platform of plate heat exchangers and fluid handling equipment and PHE spare parts purchase.
- Exclusive trouble shooter of all plate heat exchangers with international professional maintenance services.
- Self-help and library-functioned database of plate heat exchanger applications and calculation tools.
- Point-to-point local and global stock within-day or next-day distribution.

Our Team

We have controllable quality and cost-effective products, professional and in-time response services, and an international team that can handle diversified customer requests.

HFM gained worldwide clients trust in its developing path. The continuous high quality supply and services for various industries' users make HFM a more reliable cooperation partner.



Products

In any application concerning fluid heating and cooling, the idea of getting the maximum energy efficiency and reliable performance comes down to the ideal technology and suitable choice for your specific conditions.

Over the years, HFM has been developing the plate heat exchanger technology and products customized and specific applications to our clients' variant requirements. We now offer the industrial users' the most comprehensive plate heat exchanger options to satisfy the widest range of needs, either complete unit or replacement spare parts.

With the experience we and our global partners have gained from the practical project solutions, we can deliver the optimal engineering consult, service and product support package to you.

Gasketed plate heat exchanger is an efficient heat exchange device formed by a series of corrugated thin metal sheets and gaskets. The hot and cold fluids between the plates are separated by sealing gaskets, so that they flow independently in the flow channels on both sides. The heat transfer coefficient of GPHE is 3-5 times higher than that of the shell and tube heat exchanger because the hot and cold fluids can reach a high degree of turbulence when they flow in the plate channels which have certain corrugated shape on plate surface.

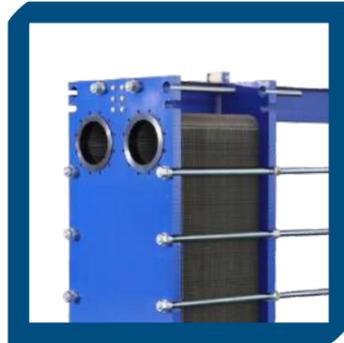


Plate evaporator, or plate type evaporator is widely used in light industry, chemical industry, metallurgy, food, pharmaceutical, paper, environmental protection and other industries due to their high efficiency and energy saving. The plate evaporators are mainly based on the semi-welding technology of the rising-plate evaporator. The material evaporates in a channel with a seal, while the steam heating medium condenses in the welded channels. The solution is injected from the bottom of the plate. The product flows upward along the wall of the plate under the action of a large amount of instantaneous steam.

Plate condenser is developed for condensing steam based on an evaporation or distillation system under vacuum conditions. The plate condenser based on the semi-welding technique consists of special plate pack and gaskets. The cooling medium is warmed up in a channel with a gasket, and the steam is condensed in the welded channel. The steam has a large inlet and a small condensate outlet.



Brazed plate heat exchanger is a kind of partition heat exchanger. It is a new type of high-efficiency heat exchanger made by stacking a series of metal sheets with a certain corrugated shape and brazing in a vacuum furnace. Thin rectangular channels are formed between various plates, and heat exchange is carried out through the plates.

Multi-section plate heat exchanger is also a kind of gasket plate heat exchanger. The multi-section plate heat exchanger can be used for heating and cooling of two or more media, usually sectioned by intermediate partition, and can be constructed into two, three or four sections etc. Intermediate partition plate has the connection holes for passing the medium. Usually the intermediate partition material is 304 or 316.



Free-flow plate heat exchanger is specialized in the zero metal contacting point in the medium's passing through path and the entrance of inlet ports. Such design ensures there is no place for fibers or impurities to make adhesion or accumulation. The inlet port entrance design of distribution area ensures the PHE to get high level turbulence and improved efficiency. Normally free-flow PHE plate's gap is 5mm minimal to maximal 18mm, to meet the various operating conditions and achieve the best solution. Free-flow plate heat exchanger is applied to Paper & Pulp, Sugar, Wastewater treatment and etc processing, in which the media contain fiber or impurities.

Fully welded plate heat exchanger is a plate heat exchanger made of a series of corrugated metal plates welded by laser or argon arc welding. The plate group and the plate group are connected by welding with molding strips. Because there is no gasket seal, it has higher temperature and pressure resistance. It can be applied to extreme working conditions of high temperature and high pressure.





Plate and shell heat exchanger is a new type of heat exchanger with a group of corrugated plates welded by laser or automatic plasma welding into the shell. It is mainly composed of two parts: plate group and shell. The cold-pressed plates are welded to form a plate group with two different medium flow channels. The A fluid passes through the plate side flow channel, and the B fluid passes through the shell side flow channel. It combines the advantages of plate and tube heat exchangers, making it more widely used in the field of heat exchange.

Scraper surface heat exchanger is suitable for almost any dilute fluid, viscous fluid or continuous and closed processing process of the industry. It can realize freezing, cooling, crystallization, stirring and mixing, aeration mixing, and plasticization of suspended mixtures, gelation, organization, chemical reaction control, polymerization, heating, evaporation, concentration, aseptic processing and other technological processes.



Solutions

For almost all processing applications concerning the heating and cooling, evaporating and condensing duties. HFM makes the custom design solution of plate heat exchangers and fluid handling equipment supply, helping the industrial users to achieve better heat transfer and energy saving.



HFM fills out the spot of energy-saving and sustainability for our partners in various fields



The first major project regarding the power plant closed circulation cooling water system HFM participated could trace back to 2000. Over the past twenty-plus years, HFM, as a heat exchange solution and service provider, has been devoted to improving thermal efficiency and reducing the carbon footprint for our customers in different field.

Supply and Service

HFM has set up multiple warehouses in West America, Brazil, and the UK to enhance our customers' relationships and logistic efficiency.

HFM's headquarter office is based in Beijing, China. Our global service network now covers North America, South America, Europe, Africa, Oceania, and Asia through cooperation with a qualified and trustful partnership.



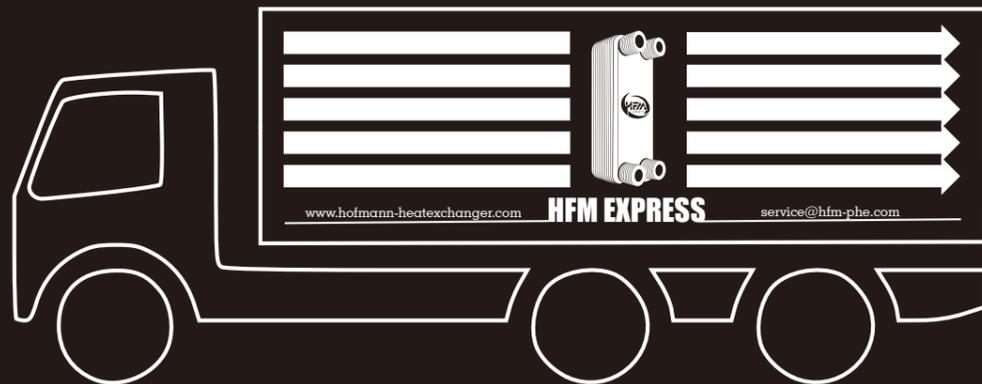
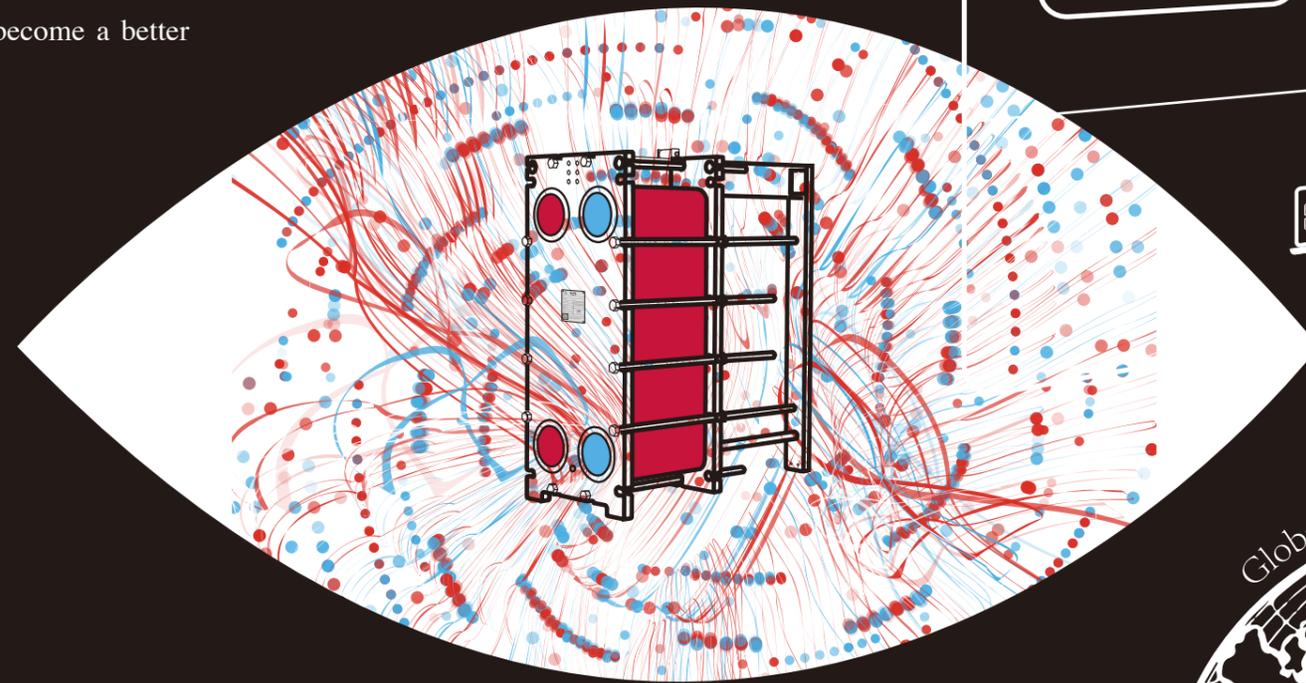
eShop

For the convenience of our customers in selecting and purchasing PHE and spares, HFM eShop was online in January 2022.

Users could quickly select products based on applications and brands. Besides, HFM eShop is capable of managing the whole process of orders. From order creation to logistics tracking and after-sales work orders, unified management, and timely reminders.

For local users, you could choose the goods closest to you. And, if you need nearby products that are not in stock, you can ask for a quotation, and we will arrange the goods.

HFM eShop is constantly improving and serving to become a better alternative function service platform.

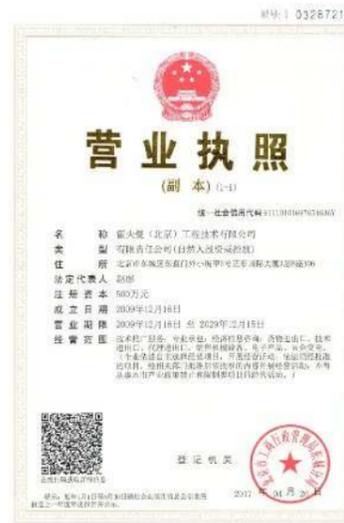


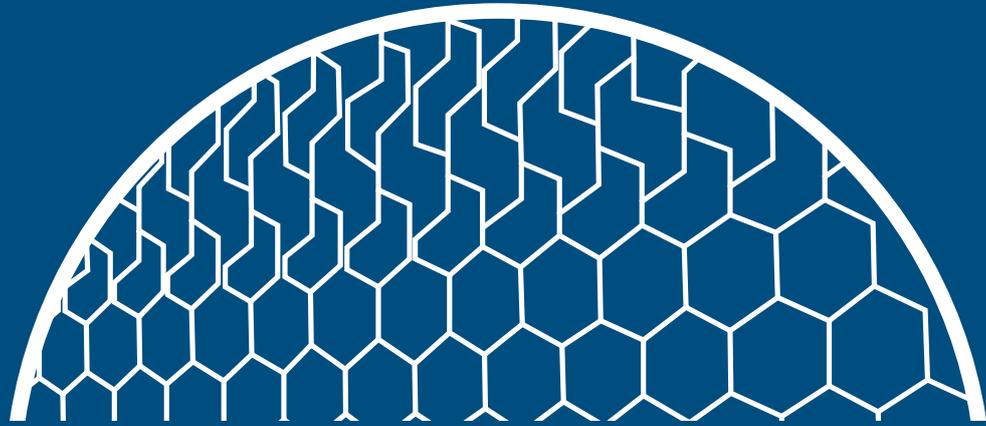
Certification

HFMPHE™ offer international standard plate heat exchangers to all industrial clients. The products are qualified for ISO management, Marine& Offshore class, and Euro, America standards.



Gallery





www.hofmann-heatexchanger.com



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