



*PROVIDING COST EFFECTIVE
PLATE HEAT EXCHANGER SOLUTIONS FOR OVER 40 YEARS.*



SUPPLY. TEST. SERVICE.

MOODY | Heat Exchangers

Moody Heat Exchangers, centrally based in Retford, Nottinghamshire, have been operating for over 40 years. We provide a full service solution for all your heat exchanger requirements. Whether you require a replacement plate pack, individual plate, gasket set, gasket, refurbishment, integrity test or a service contract, we can deliver.

Our in-depth knowledge and expertise enables us to provide a unique service to our customers. We cover a wide ranging customer base from small independent businesses to blue chip multinational companies across a wide spectrum of industries including food, beverage, pharmaceutical, chemical, power, oil and gas.

At Moody Heat Exchangers we are confident we will supply the correct solution to meet your needs.

Our Capabilities

Spare Parts

We stock a huge range of plates and gaskets available on a next day UK delivery service. We are able to offer OEM or Non OEM parts covering all the major heat exchanger manufacturer's ranges.

State-of-the-Art Service Centre

Our service centre provides a full refurbishment process. Plates are chemically cleaned, UV crack tested, examined for defects including corrosion, damage, gasket groove deformation, and erosion before being regasketted and oven cured as required. All work is carried out to the highest quality standards, with ISO9001 certification and SPX FLOW Certified Service & Repair Centre (CSRC) status.

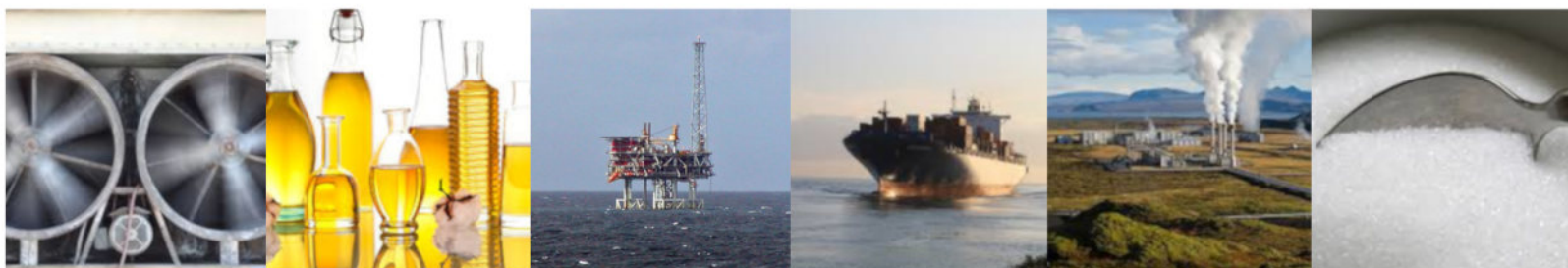
New Heat Exchanger Equipment

If your operation is ready to expand or diversify, we can provide completely new units from a wide range of manufacturers at very competitive prices. Full turnkey project solutions are also available.

Training Courses

Our comprehensive heat exchanger courses enable your engineers to detect and diagnose problems as well as educating them on correct assembly and maintenance techniques.

Our heat exchanger capabilities extend to a multitude of industries



Our Services

Our experienced team of engineers are able to provide the following range of services:

- Decommissioning/commissioning of PHE
- Removal of old gaskets
- Chemical cleaning of plates
- UV crack detection testing
- Gasket groove distortion checks
- Oven curing of gaskets to plates
- Integrity testing using PasTest 2000
- Hydrostatic testing
- Complete frame refurbishments
- 24/7 emergency call out support



PasTest2000

The PasTest2000 is a proven, highly effective, non-destructive leak detection service for pasteurisers and plate heat exchangers. This testing method can rapidly detect small leaks in PHE without opening the plate pack.

How it works

Pressurised water is pumped on one side of the heat exchanger whilst the other side has a slight positive pressure, these pressures are monitored on a hand held calibrated instrument linked to calibrated pressure transducers to detect cross contamination/plate failure indicated by a pressure rise on the low pressure side. No saline solutions, chemicals or gases are introduced during the test.

Our unique PasTest2000 integrity testing system has been fully tested by Campden BRI, the UK's leading independent food and drink research organisation

Reduce downtime and book your PasTest2000 test today.



Refurbishment Process

We provide a range of refurbishment options to ensure your plate heat exchangers are cleaned and tested to the highest quality standards.

The process of plate refurbishment includes the following steps:



Step 1) Identify & Inspect Plates

Once plates arrive for refurbishment they are identified and logged. All gaskets are then carefully removed from the plates.



Step 2) Chemical Cleaning

The plates are chemically cleaned. Firstly they are immersed in an alkali bath followed by an acid bath.



Step 3) Rinsed & Dried

Plates are rinsed off with a high pressure washer and thoroughly dried.



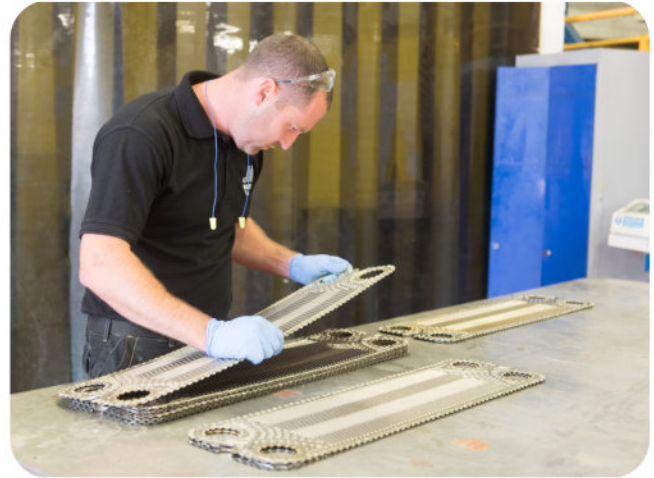
Step 4) Fluorescent Dye Application

Once dried, the plates are individually sprayed with a fluorescent dye penetrant.



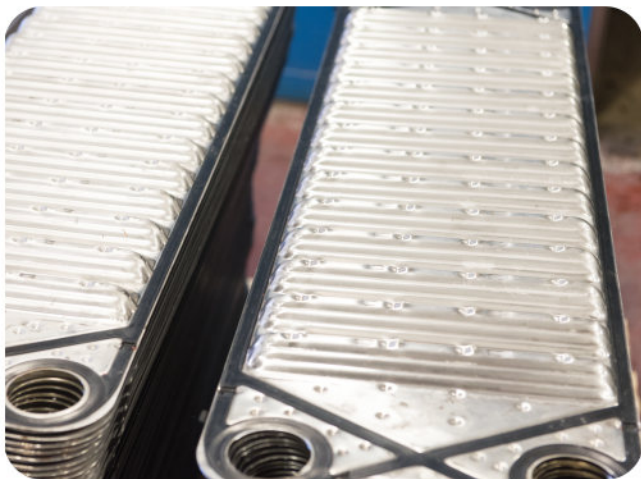
Step 5) Ultraviolet Inspection

Each individual plate is tested using ultraviolet lighting to detect pinholes and fine cracks within the plate. Visual inspection also takes place at this stage to identify any wear, pitting or channel deformation.



Step 6) Gasket & Plate Assembly

Following inspection, new gaskets are clipped or bonded to the refurbished plates. Appropriate adhesives are used where required. All plates are clamped to ensure correct alignment and if necessary, oven cured.



Step 7) Completing the Process

Finally, the plates undergo a final check to ensure full adhesion and alignment. Plates are repackaged for despatch.

Speed of Response

We understand that for many of our customers, speed of response and a reliable service is essential to maintaining production. Our state-of-the-art service and refurbishment centre is specifically designed to be able to handle a large quantity of plates at any given time. Alongside this, our large team of dedicated engineers are experienced working to tight deadlines.

Our 24/7 emergency call out service will also assure you that we can support you in any eventuality.



MOODY | Heat Exchangers

CONTACT US

Please contact our heat exchanger specialists for more information about our heat exchanger capabilities and your individual requirements.

CALL

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Moody Direct Ltd.

We are a leading supplier to the process industry and can provide a wide range of products and services.

