

MACHINING EXCELLENCE FOR HEAT EXCHANGER SPECIALIST PARTS

In the demanding world of industrial heat exchangers, precision is everything. A single imperfection in a heat exchanger head can compromise efficiency, lead to costly downtime, and pose significant safety risks.

At our machine shop (formally known as MTM Ltd and Mechalloy Ltd), we specialise in precision machining of heat exchanger heads, ensuring every component meets the highest standards of quality and performance. Our experienced machinists are equipped to handle projects of any scale and complexity, from routine maintenance to custom fabrication.

Our Capabilities: Precision and Versatility.

We can machine a wide range of materials, including carbon steel, stainless steel, duplex alloys, and more, to suit the specific requirements of your request.

Our services include, but are not limited to:

- **Tube Sheet Drilling:** High-precision drilling for accurate tube-to-tube sheet alignment and strong, reliable joints.
- **Channel Head Machining:** From facing and boring to groove cutting, we ensure flawless surfaces for gasket sealing and fluid flow.
- **Division Slot Machining:** Creating precise internal divisions to direct fluid paths and maximise thermal efficiency.
- **Custom Component Fabrication:** We can machine individual parts for repair or replacement, ensuring a perfect fit with your existing equipment.
- **Repair and Refurbishment:** Restoring worn or damaged components to their original specifications, saving you time and money.

Why Choose Us?

- **Uncompromising Quality:** We adhere to strict quality control protocols, including material verification and comprehensive inspection, to guarantee every part we produce is of the highest quality.
- **Experience and Expertise:** Our team has decades of experience working with complex heat exchanger components for various industries, including petrochemical and oil & gas.
- **Reduced Downtime:** We understand the critical nature of your operations. Our efficient processes and 24/7 availability for emergency services help you get back online faster.

