

Chiller Service Program

Lower your costs with our complete fab chiller and heat exchanger service

We understand how critical chillers and heat exchangers are to successful fab operations. As a leading sole-source supplier to the evolving global electronics industry, Air Products offers a number of dedicated services. One of these is a comprehensive programme of preventative maintenance, refurbishment, and repair of chillers and heat exchangers. These services meet or exceed all industry and equipment manufacturer standards, and are fully EPA and STEK compliant.

Not only does our service lower your cost of ownership for chiller and heat exchangers, but it also enhances reliability through our fully automated final system testing and traceability procedures.

A Comprehensive Service

Many major semiconductor manufacturers use our chiller and heat exchanger service. A key advantage is that we can match the offerings of equipment manufacturers, and exceed those of smaller shops. Equipment exchanges and our broad inventory of spares mean our repair cycles are often shorter. Air Products is also equipped to provide emergency service (24 to 48 hours) to respond to equipment breakdowns.

We offer minor and major service programs and provide a six-month warranty with all chiller and heat exchanger repair and refurbishment work. Quality assurance is foremost and every unit repaired has full serial number traceability.

Our full refurbishment capabilities include refrigerant reclaim (30-lb. R-22, R-134A, R-402A, and R-403B, and 24-lb. R-404A).

We can also accommodate your needs for implementing and managing a preventative maintenance program.

Representative Chiller/Heat Exchanger makes and models serviced

SMC 499 chiller, SMC 498 heat exchanger, Lam 2080, Lam Mark II, Bay Voltex, M&W single channel, M&W dual channel, TEK-TEMP TKD-100, Noah Precision 2010, FTS RC 75 Maxicool, Neslab CFT75, Neslab HX75, Neslab HX150, Neslab HX300, AMAT HX heat exchanger, BOC Edwards 40/80, Akרון chiller, Affinity chillers

Many more models are serviced. Ask Air Products for details

“Air Products has exceeded our expectations for our chiller service requirements. We have found excellent value in their service and have not experienced any delays due to shipping...”

– Valued Air Products customer in New York State.



We have the right expertise...

Our European technicians have 25 years experience between them in Fab tool interfaces and vacuum technology in the electronics industry. On top of that, the team is fully EPA and STEK certified to handle refrigerants.

...the right facilities...

Chillers and heat exchangers are serviced at our two sites in Nijmegen, Netherlands, and Gilbert, Arizona. These facilities comprise of dedicated test and repair stations.

Capabilities:

- Comprehensive quality system.
- Material resource planning with a complete inventory of spare parts.
- Process cooling water loop to support repair stations (flow, temperature, and pressure monitoring).
- Universal electrical utilities to accommodate various chiller and heat exchanger models.



We service chillers and heat exchangers for many major semiconductor manufacturers and can handle numerous makes and models.

...and the right processes

Our facilities are ISO 9001-2000 compliant and supported by our investment in Continuous Improvement and excellence in customer service. Air Products has implemented Information Management Systems for fully electronic quality systems and preventative action reporting.

Independent customer-led audits have resulted in very high ratings and all this has been achieved without compromising on costs or safety.

To ensure the quality of our service, we test each unit in a simulated fab environment that closely matches manufacturing conditions. To accomplish this, we are developing a leading-edge technology roadmap that includes the following aspects:

- Automated data collection: delivers objective evidence of the testing procedure and provides a statistical summary of the unit's performance.
- Heat load implementation: provides robust testing by simulating fab conditions.
- Automated recipe control: ensures uniformity in our testing method.
- Fully Automated System Testing: eliminates human interaction during test process and gives us an objective, third-party check using independent software.

Our chiller and heat exchanger repair and refurbishment offering also integrates seamlessly with Air Products' MEGASYS® management teams to provide customers with turn-key services for chillers and heat exchangers.

For more information

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