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Case Study: ROBOT PRODUCTION FACILITY CLIMATE CONTROL HANOVER DISPLAYS

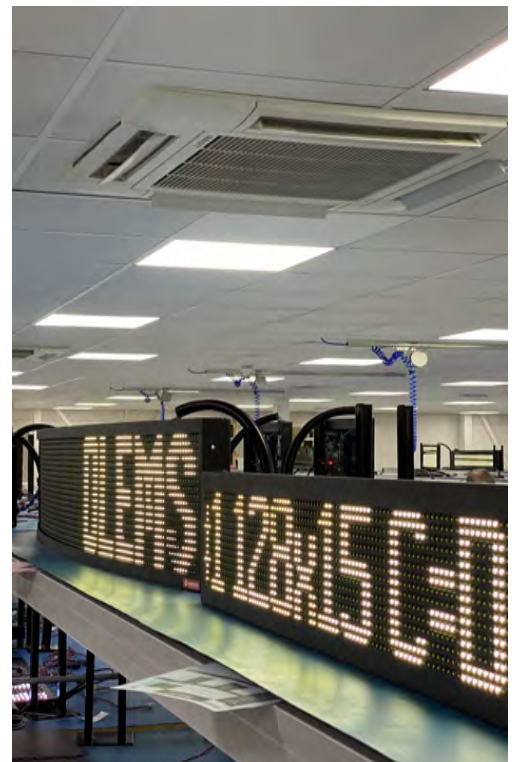
Quality counts as manufacturer
sticks with MHI and Climachill

**CASE STUDY:
ROBOT PRODUCTION FACILITY CLIMATE CONTROL,
HANOVER DISPLAYS**

Quality equipment from **Mitsubishi Heavy Industries (MHI)** and the expertise of contractor **Climachill** has provided a highly efficient cooling solution for the automated production line of a leading UK manufacturer.

Hanover Displays is a family-owned company which has been designing and manufacturing passenger information systems for the public transport industry since 1985.

With subsidiary offices in France, Spain, Germany, Italy and Australia, plus a second production facility in the US and representatives worldwide, the rapidly growing company boasts satisfied customers in over 75 countries, attracted by high levels of quality, reliability and customer service.



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**CASE STUDY: ROBOT PRODUCTION FACILITY CLIMATE CONTROL
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“Climachill offers a professional and courteous service using MHI air conditioning, heating and ventilation systems throughout our multiple premises” Handover Displays spokesman



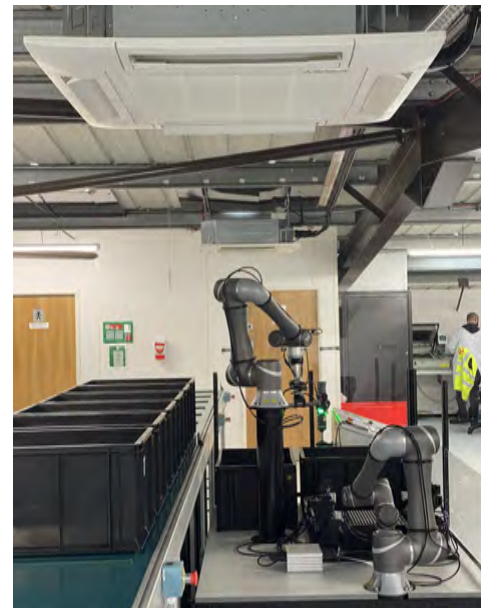
In 2007, the company was looking to provide a climate controlled environment for its staff, alongside cooling for the state-of-the-art robotic assembly line.

As with its own products, Hanover Displays looked at quality, reliability and customer service when selecting its air conditioning supplier and manufacturer. The success of that initial installation marked the beginning of a highly successful working relationship with Sussex-based specialist Climachill, who have since installed more than 80 MHI systems across multiple premises as Hanover Displays expanded. Climachill has handled maintenance from the outset, with regular six-monthly service intervals further enhancing the reliability and efficiency of the MHI equipment.

Over the years the customer has become very familiar with the MHI brand, its controls and the service provided by the partnership between the manufacturer and Climachill. The quality of the MHI equipment, coupled with the strong relationship between manufacturer and contractor for service support, has always played an important role in the selection process.

The latest project saw Climachill asked to install eight 12.5kW standard cassette series from MHI's Hyper Inverter range into the production facility to cool the robots on the assembly line. A key challenge with the project was that the client did not want air blowing directly on the robots in case it caused interference with production. Climachill selected the MHI equipment due to the unique anti-draught panels on the 4-way blow cassettes. By utilising this product, which prevents downward airflow, it was possible to successfully cool the robots without blowing air directly onto them.

The Hyper Inverter systems operate on low global warming potential R32 refrigerant, which helps to reduce Hanover Displays indirect environmental impact. They will also operate in cooling to -15oC, a feature that is critical in maintaining conditions for mechanical components even in the depths of winter.

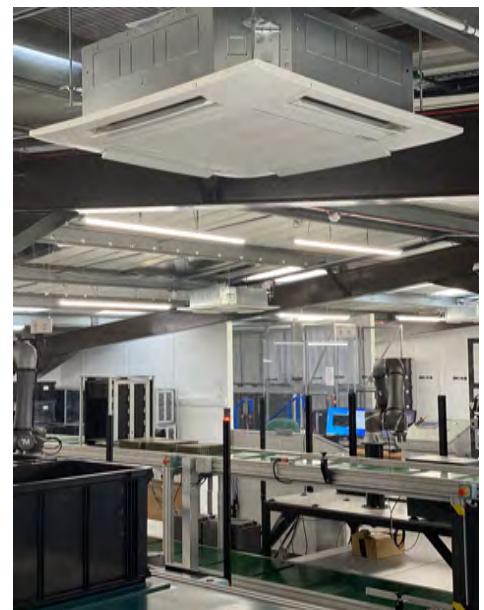


Paul Goldstein of Climachill said:

“The anti-draught panels are a great accessory available to MHI cassettes; they are simple to install and easy to control. The ability to operate each panel separately and select which mode it is active really helps to reduce any direct impact on the robotic plant we are trying to keep cool. Their use stems from the same thought process of eliminating draughts for human comfort.”

A spokesman for Hanover Displays said:

“Climachill have comprehensively serviced our equipment on a 6-monthly basis with zero component breakdowns to date and we highly recommend both Climachill and MHI.”



If you would like more details about our range of R32 split air conditioning systems, then please contact MHI Direct or your local Beijer Ref branch today.