

Crompton Controls transforms business performance by automating manufacturing processes with nVent HOFFMAN ModCenter.

CASE STUDY

A comprehensive search for an automation solution led Crompton Controls to the nVent HOFFMAN ModCenter, a versatile, automated modification engine for the machining and building of electrical control panels and enclosures.





Situation

Founded in 1904 by electrical engineer Rookes Evelyn Bell Crompton, designer of one of the world's first public electricity supplies, Crompton Controls Ltd. is today a leading supplier of control panels for building management systems (BMS). Customers in sectors ranging from agriculture to food and beverage rely on the Wakefield, UK company for all their BMS requirements, from the sourcing of individual components to the delivery of complete control panels.

When considering how to remain competitive over the next 120 years of its history, Crompton Controls decided it needed to incorporate a higher level of automation into its manufacturing process. This, it calculated, would increase quality, accuracy, efficiency and production capacity while helping to streamline resourcing and staff upskilling efforts.

Solution

A comprehensive search for an automation solution led Crompton Controls to the nVent HOFFMAN ModCenter, a versatile, automated modification engine for the machining and building of electrical control panels and enclosures.

Crompton Controls had confidence in nVent because of positive experiences with the brand's Eldon and Steinhauer products – now nVent HOFFMAN – over many decades, and because of ModCenter's reputation for cutting speed, precision and utility.

During a presentation by nVent, a cost calculator showcased the potential return-on-investment of nVent HOFFMAN ModCenter to assembled Crompton Controls decision makers. Managing Director David Chappell and his team could see how automation could transform company's competitiveness, efficiency and bottom-line performance.

Meanwhile, the nVent HOFFMAN ModCenter stood out from the other considered solutions, in terms of quality and reliability.

Following Crompton Controls' decision to implement ModCenter, installation, commissioning and the training of six staff members was completed in just two days, supported by guidance and best practice advice from nVent.

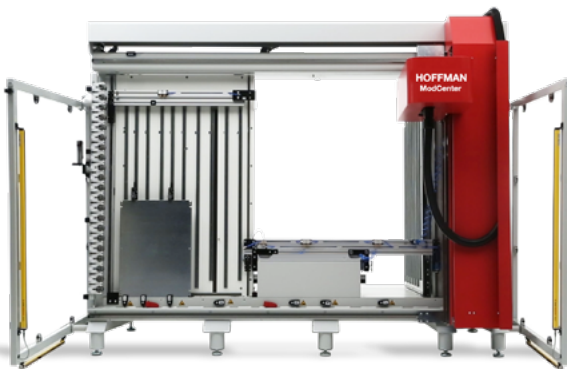
Results

"In just nine months, the nVent HOFFMAN ModCenter paid for itself and then some," says Chappell. "It's also surpassed the efficiency targets we set and delivered benefits across the business."

Not only does the multi-operator approach – that the nVent HOFFMAN ModCenter is based on – make it easy for Crompton Controls' manufacturing team to use, but the efficiency it delivers has increased production capacity and reduced lead times – enabling the company to accept orders that it would have previously turned away. The extra capacity has also allowed it to subcontract work from companies with a machinery requirement, creating an additional income stream.

Finally, the increase in automation has enhanced Crompton Controls' reputation as an innovator committed to first class products and services, securing the company business in new sectors.

Based on the positive experience with the nVent HOFFMAN ModCenter, Crompton Controls now plans to roll out nVent HOFFMAN Wire Processing Center, which optimizes the production of wire by significantly reducing the processing time involved.



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