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Rittal's New Laser Machining Centre to Revolutionise Control Panel Production at Engineering Firm



In a “UK first”, Hawarden-based electrical engineering firm, LCA Group, has switched its control panel operations from manual production to end-to-end automation, including laser-machining (www.youtube.com/watch?v=7d27sUtLL0U). The move is expected to transform its productivity and efficiency.

LCA Group, which recently came under new ownership, has invested in:

- a Rittal Automation Systems 3D laser machining centre to revolutionise construction of its stainless-steel panels by automating processes previously done by hand
- a Secarex cutting centre to cut DIN support rails, C rails and cable ducts
- an Averex wiring centre to cut wires to the correct length before stripping and crimping them with wire ferrules

With Eplan Propanel software providing integrated 3D-modelling and computer-aided design (CAD) capabilities, the machining centre is programmed to manage measuring and machining to an extremely high degree of accuracy, processing panels in a fraction of the former time.

It allows LCA Group to service higher volume orders going forward, as well as rapid turnaround of bulk orders – including next day delivery.

“Our investment in this new Rittal Automation Systems machine is incredibly important for the growth of our control panel manufacturing and design business here in the UK,” said Alan Sheppard, Managing Director of LCA Group.

“It is a statement of intent in terms of our growth, as it means we now deliver more, faster, better, more efficiently, for customers across the world without compromising on the quality we’re famous for.”

LCA Group’s control panels are used across a range of industries including nuclear, food manufacturing, power generation, water and utilities, oil and gas and pharmaceutical companies.

“This new Rittal Automation Systems machine gives us capabilities that are way ahead of the curve on our competitors in the UK,” added Alan.

“Combine that with our new 3D CAD capabilities and we are immersing our customers in the design and build process like never before. They literally fly in and fly out of the designed products we build, and we can deliver them to their door within days.

“Not only that, but we now do one-off jobs or high volume, mass manufacturing of control panel boxes at the touch of a few buttons.”

Heath Grant, Rittal’s Area Sales Manager, advised, “LCA Group’s experience demonstrates how Rittal’s value chain can automate the whole process of panel building and design.

“We’re really keen to encourage UK companies to adopt technology which is revolutionising panel building and electrical engineering across the world.

“When it comes to processing panels, machining centres from Rittal Automation Systems, are light years ahead of the alternative, manual approach. They speed up processing by as much as 66 percent compared to the traditional hand-tooled method.

“Our online Return on Investment (ROI) Calculator shows how quickly the machining centre will take to pay for itself and we expect customers to be pleasantly surprised by what they find!

“In addition, our comprehensive range of equipment for professional workshop operation has provided LCA Group with fully automated end-to-end mechanical engineering. That’s everything from milling and laser machining, through to wire processing and wiring, cutting cable ducts and support rails, to panel handling and assembly. It’s so much faster, and the finish is consistently second-to-none.”

Further information is available at www.rittal.co.uk, www.youtube.com/watch?v=7d27sUtLL0U, and www.friedhelm-loh-group.com or on twitter @rittal_ltd.

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Image

Picture shows: Rittal New Laser Machining Centre to Revolutionise Control Panel Production at Engineering Firm

Notes

Rittal, headquartered in Herborn, Hessen, Germany, is a leading global provider of solutions for industrial enclosures, power distribution, climate control and IT infrastructure, as well as software and services. Systems made by Rittal are deployed across a variety of industrial and IT applications, including vertical sectors such as the transport industry, power generation, mechanical and plant engineering, IT and telecommunications. Rittal is active worldwide with 10,000 employees and 58 subsidiaries.

Its broad product range includes infrastructure solutions for modular and energy-efficient data centres with innovative concepts for the security of physical data and systems. Leading software providers Eplan and Cideon complement the value chain, providing interdisciplinary engineering solutions, while Rittal Automation Systems offers automation systems for switchgear construction.

Founded in Herborn in 1961 and still run by its owner, Rittal is the largest company in the Friedhelm Loh Group. The Friedhelm Loh Group operates worldwide with 18 production sites and 78 international subsidiaries. The entire group employs more than 11,500 people and generated revenues of around €2.2 billion in 2014. For the seventh time in succession, the family business has won the accolade “Top German Employer” in 2015.

Further information can be found at www.rittal.com and www.friedhelm-loh-group.com.

