

In-house machining means customised enclosures can be delivered overnight

There are literally thousands of off-the-shelf designs for electrical enclosures, but there is still a significant need for customised alternatives. Spelsberg UK recognises that requests for special products usually emanate from important projects, so has invested in a centre of machining excellence at its Telford HQ to meet these needs.

Electrical enclosures made of high-performance plastic are available in many sizes and shapes, in multiple configurations for cable entry points, and with many options for switches, lamps and other accessories. But they are used in so many diverse applications that in a lot of cases a standard product that manages to meet all the job's needs just cannot be found.

Thus there is a significant need for customised solutions - standard products that have had secondary machining to open up cable entry points; cut holes for switches, lamps, sensors and gauges; engrave logos, operating instructions or safety information. Sometimes customised enclosures are one-offs, but more often there is a requirement for multiple units, and possible an on-going serial demand.

Importantly, this customisation must be done while maintaining the structural strength and integrity of the enclosure and without detracting from its aesthetic appearance.

With so many considerations it is not surprising that OEM and end users often choose not to undertake this work themselves, but to outsource it to a third party company. However, involving a third party can create issues itself, in terms of adding extra time for preparing an accurate brief for the service provider, allowing for delivery to and from their machining centre and – initially at least - checking the capabilities of the chosen service provider.

As one of the leading manufacturers and suppliers of plastic enclosures, Spelsberg UK has taken many of these worries out of the process by offering secondary processing as a mainstream service to its customers. It has a well equipped machining facility in its headquarters in Telford and can commit to providing first samples within 24 hours.

The facility is built around four state of the art CNC machines, each with milling, drilling, countersinking, tapping and engraving capabilities. These are run by highly skilled staff who understand the need for fast turnaround and right-first-time operations. Furthermore, they fully understand the intricacies of the machine operations, including the need to maintain the correct temperature, tool speed and pressure for optimum cutting.

Each of the CNC machines feature interchangeable bed fixtures, which allows any two or more of them to be set up to run the same job. Thus, multiple units can be produced rapidly.

Complex customisation needs can be met, including non-round holes, counter sinking, chamfering and thread cutting. Logos, diagrams, other graphics and vital safety instructions can be milled permanently into the enclosures, so that they will not fade over time.

Spelsberg UK takes the view that all of its enclosure should be absolutely top quality, whether they are a standard catalogue item or have undergone secondary customisation processing. The same principals are maintained on the customer service side for both standard and custom products, with rapid deliveries and full technical support fundamental parts of the equation.

Photograph Captions

Photo 1:

Spelsberg UK takes the view that all of its enclosure should be absolutely top quality, whether they are a standard catalogue item or have undergone secondary customisation processing.

Photo 2:

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About Spelsberg

Spelsberg is one of the largest manufacturers of electrical enclosures in the world. With over 4,000 enclosures available as standard and further customisation possible, it offers solutions for almost any application.

With the largest supply of non-metallic enclosures, ex-stock in the UK, its products are often available for delivery within 24 hours; customisation is possible on any product, including bespoke entries, engraved corporate logos or fitted terminals, within 48 hours. Products can be ordered direct from Spelsberg or from most leading supply specialists including RS, Rapid, Farnell and CPC.

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