

Systems and Automation

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With the drive to increase efficiency, reduce costs, improve quality or offer new products, many industries are looking to alternative and or new manufacturing processes.

Using lasers can offer solutions to meet a great deal of these requirement. However, the laser source and beam delivery optics are only one small piece of the jigsaw puzzle when a truly industrial solution is required.

To meet the demands of industry an automated solution is usually required. This can be anything from a simple 'benchtop' solution comprising of very basic automation, control, guarding and tooling to a fully automated production line utilising, conveying systems, robots, vision, complex tooling and state of the art control and monitoring.

Automated laser solutions can be implemented across a wide variety of industrial sectors. New laser technologies continue to emerge at a growing rate, leading to solutions for more and more diverse and demanding applications. As a result, we have seen a dramatic increase in the need for higher and higher levels of integration between laser sources and fully automated solution.

This presentation will concentrate not on the laser sources but on how we can combine them with automated solutions to meet the demands of industry today and in the future.