

Media Release

New Hi-tech Equipment Elevates ESCATEC's MOEMS Production

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Electronics manufacturing services (EMS) provider, ESCATEC, has significantly expanded the micro-opto-electro-mechanical-systems (MOEMS) capability at its Swiss facility, thanks to the recent commissioning of an advanced Delvotec M17S automated wire bonder.

The high-precision and high-mix Delvotec M17S can accurately and efficiently bond wires (from 17 to 50um) between various sensitive components, contributing to consistent high quality and cost savings, and is already in use for MOEMS production at ESCATEC Switzerland AG for several customers. The M17S's flexibility allows it to be repositioned for a wide variety of wire bonding processes, with change-over taking less than 15 minutes.

MOEMS refer to integrated systems that combine optical, electrical, and mechanical components, in a single highly miniaturised assembly. These sophisticated systems serve a crucial role in various industries by enabling precise control and manipulation of light-related applications, facilitating devices such as medical diagnostics, telecommunications signal processing, automotive sensors, and compact consumer electronics. ESCATEC is one of the few EMS providers of its size that currently offer MOEMS related services and production.

This investment is another example of the Group's commitment to continuous innovation and operational excellence, said CEO Charles-Alexandre Albin, noting that "its advanced process control features, versatility, and adaptability, make it an important asset", as ESCATEC progresses forward on its strategic plans to expand capabilities and grow global market share.

ESCATEC, established in 1984 and headquartered in Penang, Malaysia, offers a fully integrated portfolio of electronics, electro-mechanical, and box build, manufacturing services. The Group is active in a wide range of market segments and has a customer base comprising largely of leading brands from Europe and North America, which it serves from a network of modern production facilities in Malaysia, the Czech Republic, the United Kingdom, Switzerland, and Bulgaria.

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