

Micro Modular System

Innovative
Automation
Solutions

Micro Modular System Innovative Automation Solutions

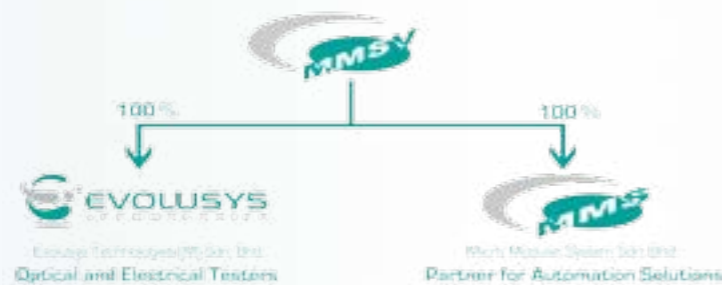


MMS was incorporated in 1997. Today, MMS has more than 80 employees working in a modern facility in Penang, Malaysia.

Over the years, MMS provided automation solutions to many well-known multinational companies. With outstanding

quality, customer focus and a philosophy of innovation, MMS became a technology-leader for high-speed and high-quality automation for semiconductor and LED production.

Together with Evolusys Technologies, we provide automated LED-test solutions that are tailored to customers needs. Our customers will therefore get the fastest, most accurate, and most reliable automated test solution possible.



Products & Services Standard Machines Custom Designs Build-To-Print

MMS designs and manufactures standard automation solutions for backend production processes of the semiconductor- and LED-industry.

We also design custom solutions for many industries. Our build-to-print (OEM) service helps our customers to save costs, manage demand swings and focus on their core business.



MMS' mechanical, control system and software engineering teams, our international procurement and logistics, in-house fabrication of parts and quality control and our ability to provide installation and training world-wide, allow us to be a one-stop shop for automation.



Fabrication Assembly Installation Logistics
International Procurement Quality Management Service & Training

Standard Machines

Low- and Medium-Power LEDs



Lumere Tester, MB 256 Sorting- & MV 160 Taping-Machine

For testing, sorting, and taping of low- and medium-power, singulated LEDs, we designed this line of machines. Combined with our tester Lumere, it is one of the fastest solutions on the market. The sorting and taping machines provide excellent productivity and low cost of ownership. The sorter's vertical sorting system makes it very reliable and avoids device mixing.

Semiconductors

Our IC test handlers are based on a modular concept. Options include multiple 2D/3D vision systems, bowl or tube inputs, multiple tape or tube outputs and laser marking stations. With 20 or 24 arms, these economical test handlers can handle most standard IC package forms with up to 40k UPH and are easily converted for product changes.



VN 200 IC Test handler

High-Power LEDs

We provide test solutions for R&D and production of high-power array LEDs (COB) or for LED end-products. All systems are easily convertible.

The production machines test LEDs in substrates and then singulate and sort into up to 32 bins. Optional are conveyor or magazine inputs, a solution as stand-alone machines or as integrated production lines.



RT 800 Reliability Tester



AT100 Test System



AB330 Sorting Machine

Other Automation Solutions

Fully automated 6-side vision systems, trim & form and singulation machines, die sets, assembly machines and more belong to our portfolio as well. All machines are designed for easy conversion, high productivity and easily adaptable to your specific requirements.



VI 500 Vision Inspection

Custom Automation Passion for Excellence



With our capabilities in the design of smart automation we are able to offer our customers machines designed

specifically for their production processes. After an initial concept and budgetary quotation, we will fine-tune the concept until we find exactly the solution needed. With many years of experience we are even able to advise eventual product changes that facilitate improved production processes. We implement designs with our usual high standard in production, install and service the machines or modules and provide operator training.

OEM Service Build-to-Print

For our customers' own production or for sales we build machines and modules following their drawing packages. All projects are headed by mechanical and control system engineers to determine eventual errors before the projects' procurement stage and in order to react on inconsistencies during the assembly stage. Our project management and ERP/MRP system allow full schedule and cost control throughout the whole project. Close communication with our customers and detailed reporting are core principals of all our projects. We are able to provide localisation of parts and installation and service, if required.



Evolution In Test



Evolusys Technologies was incorporated in 2002 as 100% subsidiary of MMSV holding, focussing on software and tester development for MMS' automation solutions.

Today, Evolusys provides test solutions for optoelectronics and Solid State Lighting as laboratory

equipment or integrated in production lines.

With a strong commitment to innovation, years of experience and in co-operation with advanced technology partners, Evolusys provide you with the most suitable solutions.

Evolusys offers custom and standard tester solutions including hardware and software, training and service. We also develop hardware for the integration of testers into automation for highest speed and reliability.

Our tester software allows flexible specification of the required test programme, reliable data logging and customisation of the UI.



Lumere LED Tester



Micro Modular System Sdn. Bhd. (419556V)

84 A Lintang Bayan Lepas 9
Industrial Park Phase 4
11900 Bayan Lepas
Penang
Malaysia

Tel +604 646 0888
Fax +604 646 7516

info@mmsis.com
www.mmsis.com
www.evolusystech.com