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RECIF Technologies Adopts Agileo Automation's Combined Speech Scenario and E84 PIO Box Solution to Test E84 and SECS/GEM SEMI Standard Compliance of Wafer Handling and Tracking Equipment

Global French manufacturer of automated handling equipment, wafer sorters, and equipment front-end modules (EFEMs) saves significant fab equipment integration time and enhances customer satisfaction

PHOENIX, October 7, 2025 – [Agileo Automation](#), a leading provider of control and connectivity solutions for global semiconductor manufacturing equipment, today announced at Booth #877 at [SEMICON West 2025](#) that [RECIF Technologies](#) has adopted its combined [Speech Scenario](#) and [E84 PIO Box](#) solution to test its wafer handling and tracking equipment for E84 and [SECS/GEM](#) compliance. The global company headquartered in Toulouse Blagnac, France, which specializes in the design, manufacturing, and installation of automated equipment for semiconductor wafer handling, needed a fast and effective solution to validate the compliance of its products with SEMI's E84 and SECS/GEM standards before they are shipped and implemented at customers' semiconductor manufacturing sites all over the world.

Speech Scenario is a software that emulates the fab host to validate SECS/GEM tool scenarios before shipping brand-new production equipment to fabs. The E84 PIO Box is a compact and lightweight device that serves as an interface between Speech Scenario and E84 passive equipment. Used together, these products allow RECIF Technologies to generate complete test reports that can be communicated to its customers, ensure fast detection of non-compliance and errors to avoid downtime, as well as quick and reliable SEMI E84 and SECS/GEM compliance testing, especially in the management of complex cases. The company has now better control over host-sorter interactions, with customizable scenarios related to automatic carrier delivery defined in the E84 standards. With Speech Scenario, RECIF teams can more effectively replicate customer use cases when resolving anomalies.

"We were using less flexible software where automation messages were not easily modifiable and old emulation technology for validation of only the PIO part of the E84 standard, which meant that more complex cases and host-sorter interactions had to be tested and adapted in the field during machine integration at customer sites," explains [Thomas Brillouet](#), research and development director for RECIF Technologies SAS. "We selected Agileo's all-in-one Speech Scenario and E84 PIO Box solution because we believe that it is the most efficient and competitive product currently on the market. The flexibility and time savings we have garnered since using Agileo's solution has translated into enhanced overall customer satisfaction for our company."

“Over the past 40 years, RECIF Technologies has built a solid reputation as an innovative industry leader in advanced semiconductor equipment manufacturing and as an early adopter of SEMI standards,” adds [Marc Engel](#), CEO of Agileo Automation. “Agileo Automation, whose origins are closely tied to RECIF Technologies, benefits from a strong cultural and technical proximity with the company. We are proud to contribute to RECIF Technologies’ success, both as a technology partner and by supporting them in demonstrating quality and reliability to their customers.”

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About Agileo Automation

Since its inception in 2010 in Poitiers, France, Agileo Automation has empowered global semiconductor equipment manufacturers to optimize their production machines with control, communication, data acquisition, and testing solutions, enabling their deployment in large-scale fabs worldwide. At the heart of Industry 4.0, Agileo’s [A²ECF-SEMI](#) framework provides a robust foundation for developing equipment controller software, leveraging the SEMI SECS/GEM and GEM300 standard suites. As a member of [SEMI](#) and the [OPC Foundation](#), Agileo Automation is a key contributor to the development and integration of industry standards such as SEMI and OPC UA. For more information, please visit our [web site](#) or follow us on [LinkedIn](#).

About RECIF Technologies

RECIF Technologies, headquartered in Toulouse-Blagnac, France, has been providing advanced robotic solutions for semiconductor wafer handling since 1985. The company designs and manufactures reliable sorters, EFEMs, and [compact handling tools](#) that help leading semiconductor manufacturers worldwide improve productivity, ensure reliability, and reduce total cost of ownership. As a member of [SEMI](#) and the [Aeneas](#) association, RECIF Technologies actively contributes to the industry standards and collaborative projects shaping the future of the semiconductor industry. For more information, please visit our [web site](#) or follow us on [LinkedIn](#).