

Hine Automation's August Newsletter

Thank you for following our emails for monthly updates related to semiconductor and robotic industry news, recent HA product launches, as well as other helpful resources.

We are always open to your suggestions! If there is something you'd like to see featured in an upcoming issue, please drop us a note at news@hineautomation.com.

Product Highlight: HA-7x series Optical Aligners



The HA-7x series Optical Aligners provide swift and cost-effective centering and angular positioning of wafers up to 300mm in diameter. When a robot picks a wafer from a cassette, the robot cannot know exactly where and how that wafer is positioned. An aligner is used to remove the "guesswork".

Although our HA Aligners are designed specifically for use with Hine Automation vacuum robots, these can also operate in a stand-alone mode and with robots from other manufacturers.

The HA-74/75/76 aligners are the ideal choice when the process chamber needs to:

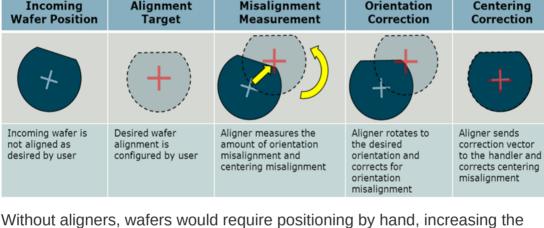
- 1. Have the fiducial (specific point of reference) oriented to a particular axis of the chamber AND/OR
- 2. Have the substrate/wafer placement of higher precision than the cassette tolerance provides.

The Hine Aligners feature an optical detection system composed of a laser-

through beam and a CCD Array. This detection system and its mechanical system, with brushed DC motors and ferrofluidic feed-through, work together to give reliable performance in high-vacuum and ultra-clean applications.

Alignment Misalignment **Wafer Position** Measurement **Target**

Method of Alignment of the HA-7X ALIGNER



Orientation

probability of misplacement and manufacturing inefficiencies.



Cassette Load Ports and Integrated **Optical Aligners** Hine Automation, a worldwide supplier of automation solutions, today announced it has received a single purchase order from one of the largest capital equipment contract manufacturers in the world. This customer provides manufacturing and supply chain solutions for the most innovative companies

around the globe. The purchase calls for Hine's Cassette Load Ports (CLP) and Integrated Optical Aligners (HA-75C) - essential to meet the customer's increased production capacity needs. Hine is providing a cost-effective, off-the-shelf solution, with added customization, to enable the high-volume contract manufacturer to integrate the solution into its own offerings. This customer has forecasted orders

for multiple CLPs and HA-75Cs in 2021 and a significant number of units over the next several years. "We have always worked closely with our customers to offer quality solutions to help meet their strategic goals," said Scott Craver, chief executive officer, Hine Automation. "I believe this agreement speaks to our reputation as a trusted

provider of high-performance products and world-class customer service that can directly address our customers' requirements, no matter how large." The expectation for higher performance and customization is what led the customer to Hine. Craver added, "Our commitment to delivering the most innovative solutions requires us to frequently evaluate our own operations. As a

result, we made an investment with this order, and we will continue to invest in our processes and people so that we remain a leader in the industry and will be better positioned to compete with large volume manufacturing requirements." Hine sets the bar for state-of-the-art robotic components and automation

systems. In addition to unprecedented quality in manufacturing and collaborative customization in design, Hine has become known for its trustworthy and dependable support, which can significantly shorten a customer's time from start-up to production.

Brand Promise Focus: Value Highlights

This month's **Brand Promise Focus** is on Hine's **Value Highlights.** This segment highlights the value we provide our customers through our products, the cutting-edge technology we use, the experience of our team, the anticipated growth of our market as well as growth we have seen over time.



We would love to hear your thoughts for

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our upcoming newsletters!



newsletter? If so, please email us at **news@hineautomation.com** with your ideas.

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see covered in a future Hine Automation

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