



VACUUM HANDLING TOOLS

FOR IMMEDIATE RELEASE

Contact

Nickie Mendez, Inside Sales
Virtual Industries Inc.
2130 Victor Place
Colorado Springs, Colorado 80915
719-572-5566; Fax: 719-572-5504
E-mail: nmendez@virtual-ii.com
Web site: www.virtual-ii.com

Virtual Industries to Exhibit Small Part Handling Tools at SEMICON West

COLORADO SPRINGS, CO — June 2018 — Virtual Industries Inc., a leading supplier of manual vacuum handling solutions, today announced plans to exhibit in Booth #924 at SEMICON West, scheduled to take place July 10-12, 2018 at the Moscone Center in San Francisco, CA. Company representatives will demonstrate the ADJUST-A-VAC® ESD Safe Kit and STEALTH-WAND ELITE Kit.

The ADJUST-A-VAC® ESD Safe Kit With ESD Safe Delrin Small Parts Tips and ESD Safe Vacuum Tips (AV-6000-SP8-BD-110) allows the operator to adjust the vacuum level from just below atmospheric pressure to up to ten inches of mercury depending on the fragility of the part being handled. The vacuum tweezer system was developed as a result of customer concerns about manual handling of very thin/delicate substrates, wafers, MEMS devices and other very fragile components.

An integrated ten segment bar-graph-display visibly shows the vacuum level present during handling operations. Additionally, the vacuum port integrates a user replaceable inlet filter that protects operation of the tool from dust particles. Kits are available in 110 or 220 volt operation.



The STEALTH-WAND ELITE Kit (VVSU-NC-MW8) operates directly on 30 to 50 psi compressed air or nitrogen. The normally closed Stealth-Vac Elite vacuum pen contains a whisper quiet venturi vacuum generator that is activated only when the control button is depressed. This helps conserve factory compressed air when the tool is not in use.



The vacuum level can be controlled by adjusting the input pressure. At 50 psi input the vacuum level is 21 InHg with 2 lpm of free air flow, at 30 psi input the vacuum level is 18 InHg with 1.75 lpm of free air flow and at 10 psi input the vacuum level is 3 InHg with .75 lpm of free air flow. This feature is important for handling thin wafers.

The normally closed STEALTH-WAND ELITE Kit is supplied with:

- 6 feet of 1/16 inch air hose
- A 1/8 NPT to 1/16" barb adaptor for the supply line
- The vacuum generating handle
- A VMWT-C wafer tip
- A VBM-4 wafer wand holder

For more information about any of Virtual Industries' advanced equipment, visit www.virtual-ii.com.

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About Virtual Industries Inc.

Founded in 1987, Virtual Industries Inc. is headquartered in Colorado Springs, Colo. For more than 20 years, Virtual Industries has been a leading supplier of manual vacuum handling solutions to the world's high-technology firms. The company's patented ESD-safe products are used by CLASS I clean room personnel, electronics assemblers, semiconductor manufacturers, Universities and scientists globally. Virtual Industries' success has come from developing innovative manual vacuum handling tools and pick-up tips based on customer requests and customer feed back. These tools provide customer specific solutions that make assembly and processing operations more productive and ergonomic. For more information, visit the company at www.virtual-ii.com.