Streamline Your Manufacturing Processes

SEMI-GAS® Systems now offers its custom BlixerT XturionT gas blender to streamline semiconductor manufacturing processes. The company says that other features include:

- A continuous flow of precisely blended gases, which eliminates the labor costs and production downtime required to monitor and exchange gas cylinders.
- The power to mix 2 or more gas components into uniform, controlled mixtures.
- A 30 to 40 percent cost savings by blending pure gases on site, eliminating the need to purchase costly premixed gas cylinders.
- The ability to adjust gas mixture percentages during use with an onboard touch-screen interface, permitting the fine-tuning of mixtures, which cannot be accomplished with pre-mixed cylinders.
- Support for fluctuating usage and variable flow rates from numerous points, each with independent duty cycles.
- Completely automated blending routines, and the capability to monitor itself for performance and safety conditions.
- Automatically sent warning notifications to the operator or automatic system shutdown if an alarm is triggered.
- Mass flow controllers to ensure accurate mixtures.
- A welded 11-gauge steel enclosure, which measures 86 (H) by 40 (W) by 23 inches (D), with a self-closing, self-latching door and window that uses

1/4-inch (W) safety glass.
- A UL-approved fire sprinkler, polycarbonate face shield and a durable, corrosion-proof, non-skid floor mat on which the entire system sits.
- The flexibility to meet application-specific requirements for flow, pressure, mixture percentage and blending accuracy.
- Suitability for the semiconductor, solar, research and development, and other high-purity markets.
- An optional gas analyzer to confirm mixture percentages, as well as a control loop to further improve blending accuracy.

sales@semi-gas.com [1]

www.semi-gas.com [2]

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