

Super Dry® Totech to showcase advanced storage & drying of moisture sensitive devices at Productronica



Moisture specialist Super Dry® Totech will feature its broad range of dry storage solutions for moisture sensitive devices, including vacuum packaging systems and moisture barrier bags at this year's Productronica in Munich. Visitors to Booth A3-277 will find out how Super Dry low humidity desiccant cabinets can protect a wide range of products against defects caused by humidity. Designed to exceed IPC/JEDEC J-Std-033C, Super Dry Cabinets can dehumidify to less than 0.5%

RH. This qualifies them not only for unlimited safe storage, but also means they can safely remove moisture, thus resetting floor life without oxidation, even at ambient temperatures.

On display on the Productronica booth will be the new [XSDR Reset cabinets](#). Using innovative sensor technology and sophisticated software, the XSDR Series Reset Cabinets can independently track the timing of 10 separate batches of components being reset at the same time per chamber. Two separate chambers, each with their own dry-unit and heater enable two different temperatures to be applied in the same cabinet, dehumidifying to less than 1% RH.

Also on display will be the [XSDC 601 solder paste storage cabinets](#) which enable both temperature control and 4.0 traceability while eliminating the uncontrolled management of solder inventory. With a stable internal temperature of 2 - 20°C with minimal energy expenditure, the XSDC solder paste cabinets prolong the shelf life of solder paste and ensure it performs as expected when needed for production.

Other exhibits include the company's fully automated, robotically controlled, component handling and storage system, [Dry Tower](#). Incorporating mature, proven MSD technology and wide-ranging WMS-System integration capabilities, Dry Towers are capable of automatically managing tens of thousands of reels and trays and are totally modular for all mix and volume manufacturing scenarios. Being demonstrated live at the show will be Dry Towers' integrated Autonomous Indoor Vehicles (AIV). The

driverless transport systems can manoeuvre autonomously in production and feed the required material to the line, including magazines, component reels, paste, and cleaning paper.

The Super Dry [XSDC long term storage cabinets](#) have an outstanding performance for long term storage of moisture sensitive components and PCB's. The U-5000 series dynamic drying unit reaches very reliable, low humidity values of <5%RH and automatically regenerates when necessary whilst the powerful cooling unit maintains a constant temperature as low as 10°C below ambient.

The [MSD series from Super Dry](#) Totech is a modular drying cabinet that adapts to your storage and drying requirements. Incorporating the extremely powerful, U5000 Series Dynamic Dry Unit, the basic MSD can be expanded in the field without the need for additional dry units. This can result in a cost saving of more than 50%. Performance is maximized and regeneration times reduced through closed loop control.

The sophisticated software tool, [MSL 2.0](#), enables manufacturers of any size to comprehensively maintain control of all their component inventory, and particularly their moisture sensitive devices. Whether integrated with existing ERP and MES systems or used in a standalone fashion, real time monitoring and traceability of moisture sensitive inventory helps manufacturers on the path to achieving their 4.0 goals.

www.superdry-totech.com

About Super Dry Totech

Delivering globally to the world's top tier OEM and EMS companies, and manufacturing in Asia and in Europe, Totech Super Dry has become the industry measure for ultra-low humidity storage cabinets. Proper control of moisture sensitive devices (MSDs) per IPC and JEDEC standards has become more critical than ever since the introduction of lead free and its higher reflow temperatures. Boasting <1% relative humidity control and the fastest recovery times, Super Dry cabinets are available in a wide range of sizes and configurations, all with certified performance control measures. Super Dry Totech Dry Tower Systems comprehensively solve the complex logistics problems central to manufacturing with moisture sensitive devices in 4.0 smart factories.

As of May 2017 [ASYS automation Group \(Dornstadt, Germany\)](#) became a majority investment partner.

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