

Toyo and DaTARIUS optimize moulding technology



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DaTARIUS, a world-leading supplier of test equipment, is pleased to announce a recently-agreed official partnership with Toyo Machinery & Metal Co. Ltd. The Japan-based moulding machine manufacturer will be using the DaTARIUS 3-loop MF DisCo as standard mould temperature controller for its revolutionary DiscBOX injection moulding machine.

"This partnership with a leading player in the field of injection moulding further highlights the DaTARIUS commitment to help drive the industry forward," says DaTARIUS CEO and Chairman James Steynor. "It also emphasises our belief that, as test equipment providers, we also have a duty to our clients, and to the industry, to provide solutions that help to

improve both process and yield for optical media manufacturers."

The DiscBOX from Toyo is a new concept of moulding machine. In addition to being all-electric, the vertical system design provides the smallest existing footprint for an injection moulding system. DiscBOX can be used to produce any optical media format, recordable or pre-recorded, from CD to BD and HD DVD.

"The MF DisCo 3-loop system is ideal for our innovative moulding machine," says Mr Koji Hirota, General Manager of Toyo's Optical Disc Sales Division. "The fact that it is so efficient at improving cycle times, while reducing costs such as energy consumption, makes it a perfect complement for our vertical, all-electric design. The fact that it has also been proven for the next generation formats is another huge advantage. We are delighted to be working with DaTARIUS to advance the technology of future optical media."

The MF DisCo 3-loop configuration, which accurately regulates mould temperature, is suitable for optimizing the manufacture of all existing optical media formats, including all DVD recordables; it is also proven for next generation formats such as Blu-ray and HD DVD. Offering exceptional control of key moulded disc parameters, along with reduced energy consumption and unique start up characteristics, the MF DisCo saves money in the production of all disc formats.

The agreement between Toyo and DaTARIUS follows intensive testing by Toyo of the MF DisCo unit, which is designed to fit into any line. "The results were all satisfactory," says Joan Lu, MD of DaTARIUS Asia-Pacific, whose Hong Kong Office co-ordinated the installation, "and our Optimize Product group were also able to customise the system to meet the specific requirements of Toyo."





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Editor's notes:

DaTARIUS is a world-leading supplier of test equipment for the optical disc industry. DaTARIUS products are not only proving the quality of media, but helping to improve quality through a comprehensive range products and services that embrace process optimization and inspection. DaTARIUS test systems come under the general heading of Measuring equipment, which incorporates Analyzers and Evaluators and its revolutionary DaTABANK™ technology which is fully enabled for BD and HD-DVD testing. The process Optimization family consists of the MF DisCo temperature optimization system and Universal Sprue Recycler, and Inspection products offer print label inspection, disc orientation and Ident Code validation.

The Optimize Group, produces systems to directly optimize the disc manufacturing process. The MF DisCo temperature optimization system gives improved temperature control within the moulding stage, enabling higher quality product and a reduction in moulding cycle times and energy consumption. The Universal Sprue Recycler optimizes the use of polycarbonate in the production of CD and DVD media.

DaTARIUS also offers extensive training through its service centres worldwide. For the last 20 years the company has been at the forefront of this technology and it is fully committed to the future of its customers.

