

CMC choose DaTARIUS for process optimization

CMC, one of the largest global optical media manufacturers, has recently equipped its Taiwanese facility with the MF DisCo mould temperature regulator from DaTARIUS. This follows a period of intensive moulding trials by CMC in conjunction with a team of DaTARIUS process engineers. These trials highlighted the dramatic process optimization advantages provided by the MF DisCo.

CMC, which has been using MF Disco units for the past four years in its pre-recorded DVD production, has now also equipped most of its DVD and DVDR lines with the enhanced version of the MF DisCo 2-loop system.

"Our trials with recordable media manufacture demonstrated a clear improvement of the process control," says Mr Billy Chen, Vice President of CMC. "This now helps us to improve the quality of our product, lower our cycle time, and also to reduce costs in many ways, including lower energy consumption and less waste."

By creating a faster reaction time in the mould cooling process, the MF DisCo system helps to reduce the cycle time by about 40%, and energy consumption by more than 60%. This temperature regulator, designed specifically for the optical media industry, directly benefits various parameters – including Birefringence, Dishing, HF and Jitter – that need to be carefully controlled in order to keep discs within specification and achieve the shortest cycle times.

"We are delighted with CMC's decision to invest in the MF DisCo," says Joan Lu, Managing Director of DaTARIUS Asia-Pacific. "The Asian market is strongly focused on recordable media and manufacturers face a number of challenges, not least of which is the continuing price pressure that requires them to optimize their production processes. In today's marketplace, it is vital to maximise yields without compromising quality."

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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.

