

CoverTest™: testing stampers for all optical media formats

With DaTARIUS CoverTest™ technology pre-recorded and recordable BD, HD DVD and DVD stampers can be tested directly after the galvanic process, and achieve high correlation to finished discs. The CoverTest™ foil, applied directly to stampers, provides the same conditions as the polycarbonate layer covering the data layer on a disc.

Although it has been possible in the past to test stampers (except for BD), the results have not closely matched the finished disc. This is due to the fact that formally stampers were tested in air (no polycarbonate on the stamper surface).

With CoverTest™, stampers can be directly and quickly tested to allow the fasted route to optimum performance and therefore give best disc quality – all this before moulding even starts – something that was, until now, not feasible.

In addition, stamper production companies can be certain of stamper quality before shipping them to their customers. The disc maker can then check the stamper quality when received, resolving any quality issues on the stamper before moulding.

The CoverTest™ foil also acts as protective shield against damage from handling, and can be left in place indefinitely simply removed just prior to use in a mould.

Key features:

- Stamper results directly correlate to finished disc
- Ease of use – also offers protection during stamper handling
- No contamination whatsoever after removal – actually cleans the stamper

Extensive tests have been performed on HD DVD and BD formats, and the technology and results were showcased during the DaTARIUS Blue Days (12-13 September) and in China during the Replication Expo show (25-27 September).

DaTARIUS will demonstrate the CoverTest™ technologies live during Oerlikon's BD Summit in Liechtenstein.

Details about CoverTest™ can be found online as white paper and PowerPoint presentation http://www.datarius.com/news/white_paper-PDF/wp-stamper-testingCoverTest.pdf
http://www.datarius.com/news/white_paper-pdf/Rep-Expo-Beijing-Workshop-sep07.pps

About DaTARIUS Technologies GmbH

The DaTARIUS Group is a global company focused on providing solutions throughout the optical media manufacturing industries. DaTARIUS developed the first commercial CD test system and has over 20 years' experience in the manufacture and distribution of equipment for inspecting, measuring and optimizing at every stage of the optical media manufacturing process.



CoverTest™ Station

See it live @
Oerlikon's BD Summit
18 Oct 2007

DaTARIUS is unique in providing equipment for the entire production process right through from pre-mastering to print and packaging. Its products are suitable for every optical media format – pre-recorded and recordable – from CD & DVD through to the new blue laser BD and HD DVD formats, and other emerging formats such as HD VMD.

In addition, DaTARIUS also develops and supplies process optimization equipment, such as sprue recycling and mould temperature regulations systems. This broad product range is supplemented by consulting and training services.

Beyond optical media, DaTARIUS, in partnership with InPhase, is developing quality control equipment for the next generation of holographic formats.

With headquarters in Reutte, Austria (R&D, sales and service), and regional offices in America Germany, Japan, China and Hong Kong, the DaTARIUS Group has a global team of 100-plus employees and partners with an extensive sales and service support network covering every major market of the globe: North America, South America, Europe, the Middle East, and the Pacific Rim.

For more information on the company and its products, visit www.DaTARIUS.com

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