



## CoverTest™

The revolutionary way to accurately analyse stampers

- Test BD and DVD stampers with results directly correlating to the finished disc
- Proprietary foil system including hard coat
- Easy application of the foil - also offers protection when handling/storing stamper
- Foil removal could not be easier - no residue and no cleaning needed



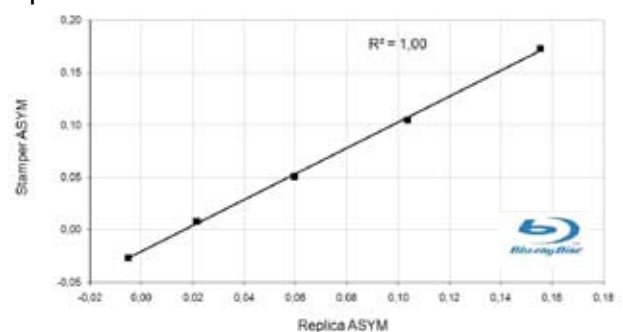
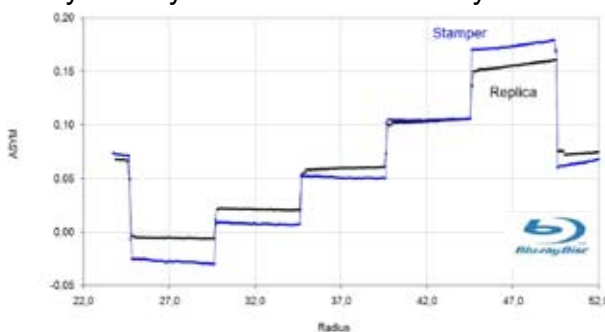
CoverTest™ Station

By using the CoverTest™ technology, all pre-recorded and recordable BD and DVD stampers can be tested immediately after the galvanic process with direct correlation to a finished media.

Mastering houses can ensure the quality of their stampers before supplying to their partners / customers – there is no longer a need to mould a disc to check (or re-check after extended use or storage) the quality of the stamper. As an added bonus, the CoverTest™ foil also acts as a protection against potential damage through handling and storage. CoverTest™ can be left on the stamper indefinitely and even removes contamination before use (removal of the foil actually cleans the stamper) maximizing yields on initial start-up.

Traditionally stampers have been tested in air. This does not match the final disc as the data layer (made by the stamper) on a disc is embedded in polycarbonate. This polycarbonate layer affects the way the laser reads the data and without this the results are very different to the disc especially for BD. CoverTest™ directly simulates the condition where the data layer is in glue covered by polycarbonate and thus allows precise and repeatable testing of stampers.

### ► Asymmetry correlation on Blu-ray disc and stamper





# measure

## CoverTest™ Foil

The CoverTest™ foil (0.1 mm) fills the pits on the stamper and thus the laser travels in a polycarbonate environment like on a finished disc ( $n = 1.56$ ). In the case of HD DVD and DVD an additional 0.5 mm glass plate is provided as part of the stamper adapter



## How to CoverTest™?

01.



### CoverTest: apply foil

- Place stamper in the CoverTest bonding station
- Place a CoverTest Foil
- Close the lid and press start

02.



### CoverTest: electrical testing with foil

- Mount the CoverTest stamper on the Test Adapter supplied with your DaTABANK system
- Test your stamper

03.



### CoverTest: remove foil

- Place the Stamper adapter in the UV Curing unit to remove the CoverTest foil
- Mount the Stamper on the moulding machine

GO

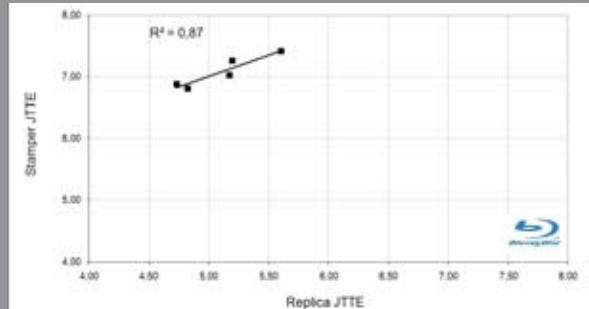
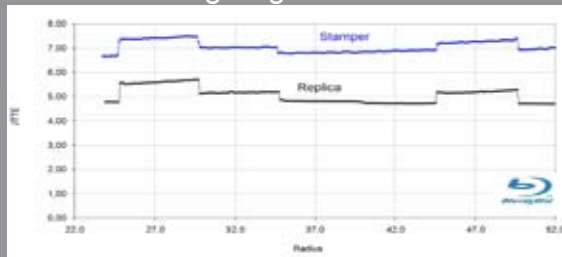


### Manufacturing

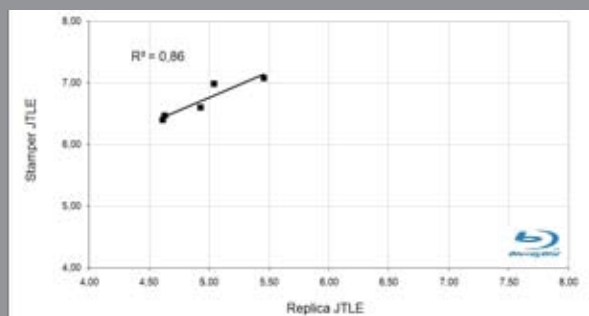
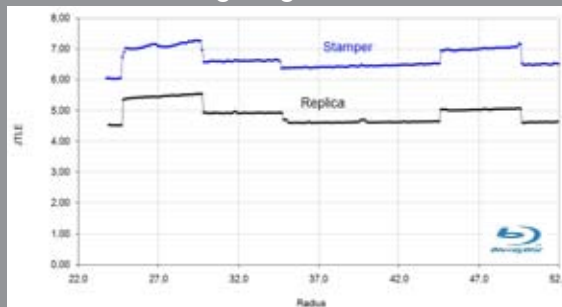
- Mount the Stamper on the moulding machine

## CoverTest™ Correlation

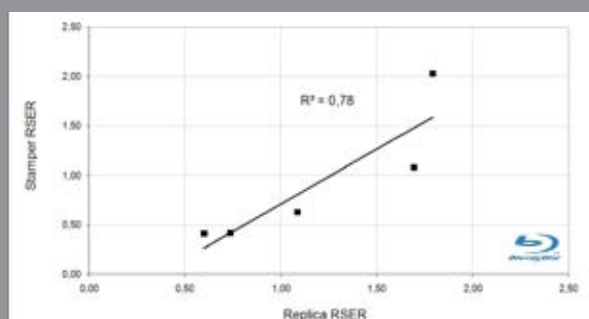
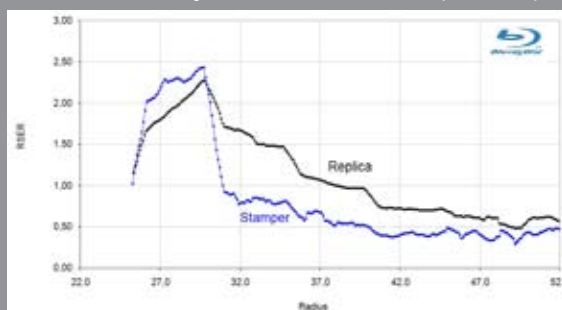
### ▶ Jitter Trailing Edge



### ▶ Jitter Leading Edge



### ▶ Random Symbol Error Rate (RSER)



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