

## DaTARIUS leads the fast lane....

### Are you producing DVD-9s as fast as a DVD-5s, why not testing a DVD-9s as fast a DVD-5s?

In 1996, DaTARIUS brought a wind of change in the testing industry introducing the CD multi speed tester. Once again, DaTARIUS brings testing to another level.

A new era in testing DVDs has begun. At the request of customers, DaTARIUS, the market leader in test equipment for optical discs, along with a maker of DVD drives for test applications, have made testing DVDs faster than ever before a reality.

In order to test HF signals, servo signals as well as on decoder outputs at speed double than usual, many developments were necessary. For the drive, the properties of the motor, the pick-up head, the servo electronics and the decoder all had to be adjusted. As well, DaTARIUS had to developed a new high-speed analytic board for analogue and HF parameters. This led to the first DVD tester able to test not only at reference speed but also at 2X.

Since the DVD Forum's specifications describe the measurement at reference speed or single speed, it was necessary to develop a new testing strategy for double speed testing. To achieve this challenge, the experience of DaTARIUS as the first company to realize multi speed CD testing, was vital. Besides measuring at double speed, fundamental functions such as jitter compensation, calibration, etc..., also had to be adjusted.

In the future, tests will be performed far faster than previously done with the same reliability. As a result, the reaction time in production to detect and correct process failures is consequentially reduced. A shorter reaction time leads to time savings, waste reduction and in the end increased profitability.

The DaTARIUS DL-5.2 multi speed DVD replica tester can perform test in double and single speed with highest accuracy on DVD-5, DVD-9 OPT/PTP, DVD-10, DVD-14 and DVD-18 replicas.

Like all DaTARIUS DVD tester, the DL-5.2 benefits from all the advantages of the *multi dimensional calibration* based on the DaTARIUS DVD-5 and DVD-9 calibration discs as well as on the reference values of the Single Layer DVD Signal Disc released by Philips International B.V. and approved by the DVD Forum.

DL-5.2 testers are currently undergoing intensive long-term quality check in DaTARIUS' laboratories and also field test at selected customers' plants. The new DVD tester for multi speed measurements DL-5.2 will be available from November 2001 on.

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