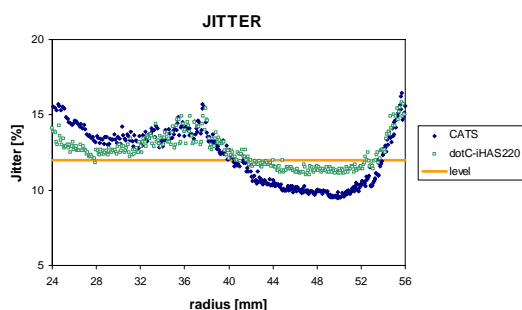


dotC Customized Features

DISC SCANNER

Disc Scanner is a fast and reliable method to scan the recorded quality replacing the time consuming full verify scan. Therefore **Disc Scanner** improves throughput time by a factor two. If the disc quality is good, the full verify scan can be skipped. If the disc quality is assessed marginal or poor, a full verify scan shall be performed.



Disc Scanner samples the recording quality parameters DC-jitter (Data to Clock) and ECC error rate parameters PI and PO at regular positions over the disc.

Disc Scanner results correlate well with DVD-CATS reference equipment measurements and therefore provide a much better quality indication than a pure data verify.

Disc Scanner is sensitive for poor recording quality, black dots, scratches and finger prints.

dotC introduced the **Disc Scanner** as standard feature on the customized iHAS220 Lite-On 20x DVD writer.

| | |
|----------------------------------|---|
| Disc types | DVD+/-R(W) single and dual layer |
| Supported media | All brands |
| Sample location | Selectable |
| PI errors | Number of PI inner errors per ECC block (16 sectors) |
| PO errors | Number of PO outer errors per ECC block (16 sectors) |
| Jitter Type | Average Data to Clock Jitter |
| Sample size | About one ECC block |
| Measuring time | 32 samples (1 mm radial sampling grid) 320 samples (0.1 mm radial sampling grid) |
| Application communication | Vendor Unique SCSI command set |