



B R O N W A Y



DVD-250[©]
CD/DVD Spindle Counter
Specification Document

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CD/DVD Spindle Counter

Losing count of DVD/CDs in production can be very costly, particularly when it becomes necessary to re-mount stampers to complete an order. Accurate counts of CD/DVDs helps to minimise rework, reconcile production counts, ensure accurate delivery quantities and reduce material and labour costs.

Bronway Ltd. has now designed the DVD-250 Spindle Counter to address the specific, ever-changing count demands created by new disc formats:

Bronway Counter Benefits

- Counts ALL DVD disc formats
- Enables pinpointing of production losses and process traceability
- Simple to use
- Fully compliant with all US and EU Health & Safety regulations



New DVD formats Requirements

New DVD formats (including DVD-R, DVD+R, DVD-RW, DVD+RW) are continually placing greater demands on count technology. DVD Count issues now include:

- Smaller stacking rings
- Greater disc warp
- Wider variation of disc thickness
- Increased focus and importance on operator Health & Safety

DVD-250 Enhancements

Hardware Enhancements:

- New detector and electronics (**improved sensitivity and count performance on smaller stacking rings**)
- New Class 2R Visible Laser and drive electronics (**Enhanced performance and ANSI Laser Safety Standard compliant**)
- Solid-state electronics replace relays and self-reset fuses
- Encoder resolution increased
- Second microprocessor for advanced signal processing

Software Enhancements:

- Auto adjusts to disc characteristics (**Provides high accuracy even without verification, allowing for double speed counting**)
- Count diagnostics utility viewable through PC (**Provides enhanced data on disc characteristics and the count performance**)

DVD-250 Features

- Double speed count without verification (200 discs –1.2 seconds; 50 discs – 0.5 second)
- High speed count and verification (200 discs –2.3 seconds; 50 discs – 1 second)
- 7 distinct error messages for pinpointing count issues viewable through display.
- Detailed diagnostics utility accessible through PC port, viewable on counter display.
- Accurate counts – 99.99% accuracy
- 100% repeatable.
- Programmable in seconds
- Through-scan laser operation with powerful SCANRITE+© maths algorithm.
- Option to show running total for batch counts
- Red/Green, Go/No go Visual indicators to denote pass/fail on pre-set quantity.
- “Hands free” auto start option
- Programmable for a variety of spacer types
- Programmable to subtract shipping blanks
- RS232 port for a variety of label printers.
- RS232 port for PC – Host Monitoring/Reporting Systems.
- High-resolution graphical display.
- Robust drive mechanism and electronics
- Automatic laser-off feature
- Automatic self test on power-up
- Safe solid state laser
- Non-volatile programme memory.

DVD-250 SPECIFICATIONS

- **Weight** 12Kg.
- **Dimensions** 240mm X 310mm X 500mm.
- **Energy Requirements** 220/110 VAC 50/60Hz.
- **Display** High-resolution graphical display.

For information on the Bronway DVD-250, Spindle Counters or Spindle Counter Laser Safety please contact us at:

Bronway Ltd.

Bray Business Park,
Southern Cross Route,
Bray, Co. Wicklow,
Ireland

Tel.: +353-1-2800200 Fax: +353-1-2845835

E-mail: info@bronway.com

Web: <http://www.bronway.com>