

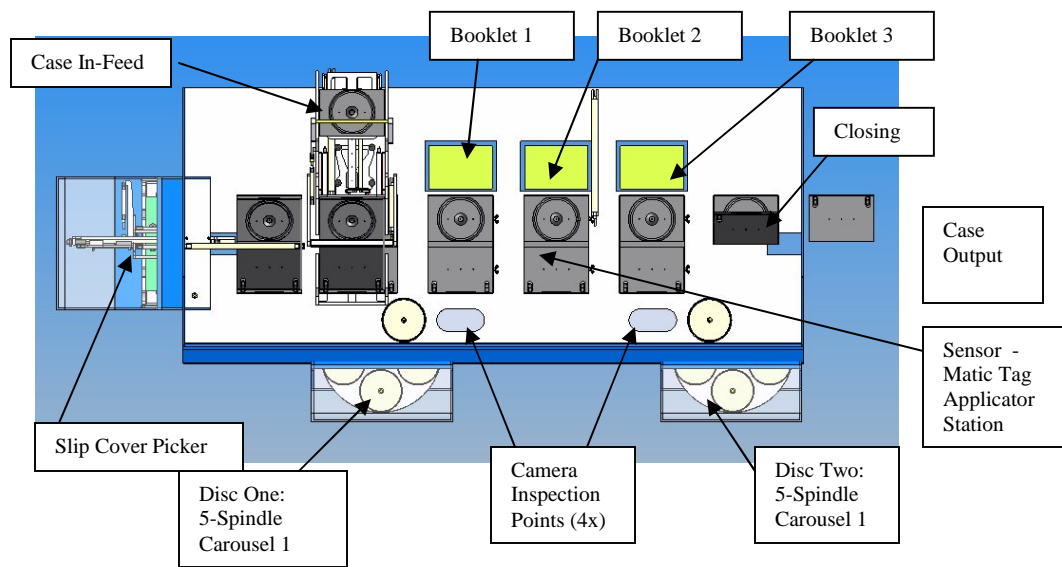
Merlin Fully Automatic DVD Amaray Case Assembly Machine



The DMA Merlin Collator is a fully automatic DVD Amaray case assembly machine. The system fully automatically inserts DVD title sheets, discs, internal booklets / coupons, and a sensor-matic tags before closing cases. A bulk hopper located on the rear of the machine is continually supplied with cases enabling continuous operation. Up to 900 title sheets are loaded into the title sheet hopper. Five disc spindles are loaded into each spindle carousel. Empty spindles can be replaced without stopping the machine.

Plan View Showing System Options:

The plan view shows the Merlin Inserter product flow. Boxes are fed in from a bulk case hopper situated along the rear of the machine. The opener opens the cases to 270 degrees and presents them to the Slip Sheet inserter. Slipcovers are picked and inserted into the cases using a dual stage system with precisor. Subsequently a servo drive indexes the boxes past loading stations where multiples of discs, booklets, and security tag are placed. Finally the boxes are ejected closed or open and as selected by the operator.



System Specifications *

Merlin Fully Automated DVD Collator

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|---------------------------|---|
| Title Sheet Placer | Standard; Dual Stage with Preciser |
| Booklet Inserter | One Standard, Second and Third Placer Optional |
| Disc Placer | One Placer Standard, Second Placer Optional |
| Sensormatic Tagger | Optional |
| Vision Inspection ID | Optional Top or Bottom View Both Discs |
| Title Sheet Vision System | Optional |
| Case In-feed Hopper | Standard (120 Cases-Depending on Cases) |
| Disc Spindle Carousel | Five Spindles |
| Case Closing | Cases Ejected Open or Closed (Selectable) |
| Inline QC | Cases with Faulty Hubs or Closing Latches Automatically Ejected from Output Hub. |
| Spindle Refilling | Safe Spindle Swap Capable During Operation |
| Process Rate | up to 45 Cases Per Minute |
| Interface | Full Interface to Downstream Equipment |
| Electrical Connectivity | 110 / 220 VAC Autoswitching, 15 Amp, Single Phase |
| Pneumatic Supply | 90 Psi, Dry Compressed Air, 7 SCFM |
| Vacuum Connectivity | Requires 26" Hg Vacuum Supplied |
| Jam Recovery | Quick, Auto Detect |
| Operator Interface | Control Panel, Color Touch Screen Optional |
| Case Type | HD DVD / Blue Ray, or Standard DVD Configurable |
| System Mobility | Castering Wheels Standard, Locking Feet Optional |

* Specifications and Configurations Subject to Change. All Specifications to be Confirmed by Digital Media Automation Inc.

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