

DMC/ SCDC

Control Compatibility

- The **SCDC** (Self Calibrating Digital Controls) with serial interface were shipped as standard controls on all **SCDC** platter systems manufactured starting November of 1998 to March of 2006 at which time they were changed to a USB interface. For the purpose of this document these two versions of the SCDC controls are interchangeable.
- The **SCDC** Pay-Out control card can be installed on an existing **DMC** control plate with a control arm sensor mask change.
- The **DMC** and **SCDC** control plate assemblies are interchangeable on the same platter system. You may plug a **SCDC** control plate assembly into a **DMC** platter system or plug a **DMC** control plate assembly into a **SCDC** platter system.
- The **SCDC** Rewind control card can be installed into an existing **DMC** Power Supply as a direct replacement. A **DMC** Rewind control card cannot be installed into a **SCDC** Power Supply because of mounting restrictions.

NOTE: See **SCDC/DMC** Compatibility chart on reverse side

SCDC Controls feature the following advantages over the DMC Control:

- **Self-Calibration.** The **DMC** Control converts light intensity to motor speed and requires calibration. The **SCDC** Control utilizes a pixel array to control motor speed and is self-calibrating.
- **Two levels of Brown-out / surge protection plus current limiting.**
- **The SCDC Rewind and Pay-Out controls have Feed Castor Diode and Capacitor back-up.**
- **The SCDC Rewind and Pay-Out controls can be used as either Rewind or Pay-Out by changing the sensor mount block on the card.** The control can determine if it is being used as a Pay-Out or Rewind by the direction the mask enters the pixel array.
- **LED Status/Error Indicator.** One LED displays the software version number upon power-up and error codes during operation. Additional error codes are stored in the control and can be recalled with unit test software.

SCDC/DMC Control Compatibility

| | SCDC Platter System | DMC Platter System |
|---|---|--|
| SCDC Pay-Out Control Card | Direct Replacement | Requires a SCDC Control Arm Sensor Mask field change |
| SCDC Control Plate Assembly | Direct Replacement | Direct Replacement |
| SCDC Rewind Control Card | Direct Replacement | Direct Replacement |
| SCDC Power Supply with Timer Card. | Direct Replacement | Not Compatible |
| | | |
| DMC Pay-Out Control Card | Requires a DMC Control Arm Sensor Mask field change | Direct Replacement |
| DMC Control Plate Assembly | Direct Replacement | Direct Replacement |
| DMC Rewind Card | Not Compatible | Direct Replacement |
| DMC Power Supply Assembly | Not Compatible | Direct Replacement |