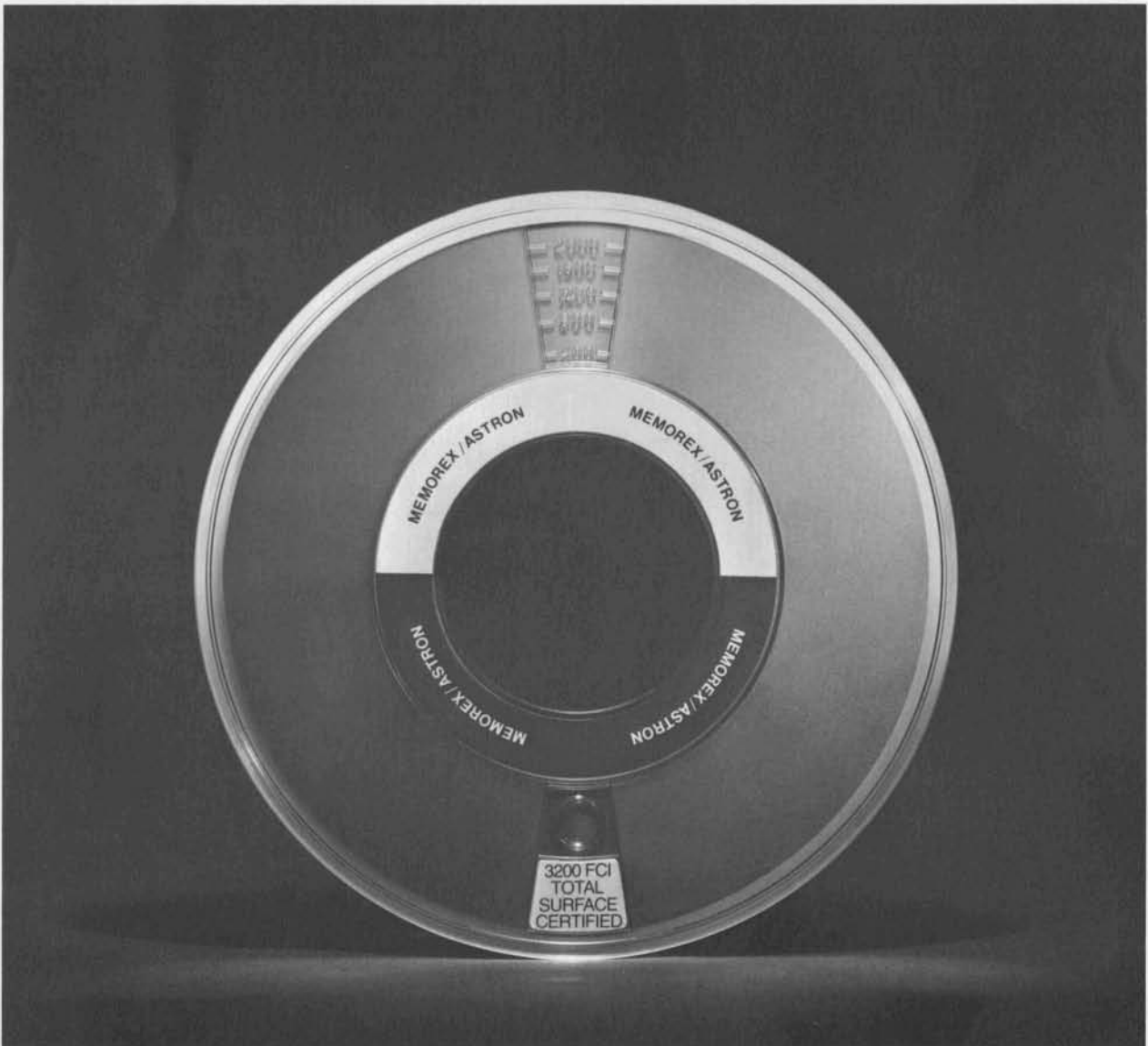


# MEMOREX

## ASTRON/Type 26 Computer Tape

Astron is an ultra-durable certified computer tape coated on the back with a special protective coating. The back-coating protects the base film from scratching caused by computer tape drives and it prevents build-up of the static charges which attract debris particles — two common causes of computer tape errors. Tape damage caused by "cinching" (layer to layer slippage) and "offsetting" (poor re-winding characteristics) are substantially reduced. Other performance improvements are more consistent start/stop times and better sensing of reflective markers.

## ASTRON/Type 26 Computer Tape



**Dimensions**

|                  |                        |
|------------------|------------------------|
| Width            | 0.498 ± 0.002 inch     |
| Thickness        |                        |
| Base film        | 0.00142 inch nominal   |
| Magnetic coating | 390 microinches        |
| Back coating     | 90 microinches         |
| Total thickness  | 0.00190 inches average |
| E value          | ¼ inch minimum         |

**Magnetic Properties**

|                                |                      |
|--------------------------------|----------------------|
| Intrinsic coercive force (Hci) | 265 oersteds nominal |
| Residual flux (Φr)             | 1.3 maxwell nominal  |

**Performance**

|                |  |
|----------------|--|
| Signal level   | ± 10% at 800 bpi<br>+ 25%, - 10% at 3200 fci           |
| Signal quality | Total surface certified to have<br>no permanent errors |
| Certification  | Dual density, 3200 fci/800 bpi                         |
| Dynamic skew   | Less than 2.0 microseconds                             |

**Physical Properties**

|                                     |  |
|-------------------------------------|--|
| Base film                           | Polyester<br>(oriented polyethylene terephthalate) |
| Toxicity                            | Non-toxic  |
| Flammability                        | Self extinguishing                                 |
| Splices                             | None   |
| Magnetic coating surface roughness  | 5 microinches, centerline average                  |
| Magnetic coating surface resistance | Less than 200 megohms per square                   |
| Back coating surface resistance     | Less than 25,000 ohms per square                   |
| Layer to layer adhesion             | None   |
| Curvature                           | 0.125 inch maximum/36 inches                       |
| Cupping                             | 0.01 inch maximum/0.25 inch                        |
| Yield force                         | 9 lbs./0.5 inch minimum                            |
| Elongation under stress             | 0.3% /0.5 inch maximum                             |
| Compatibility                       | Not an inhibitor                                   |

**Recommended Environment**

|                  |   |
|------------------|---|
| Operating range  | 40°F to 90°F, 20% R.H. to 80 R.H.<br>(Max. wet bulb 78°F) |
| Storage range    | 40°F to 90°F, 20% R.H. to 80 R.H.<br>(Max. wet bulb 80°F) |
| Unrecorded tapes | may be stored at 120°F (Max. wet bulb 80°F)               |