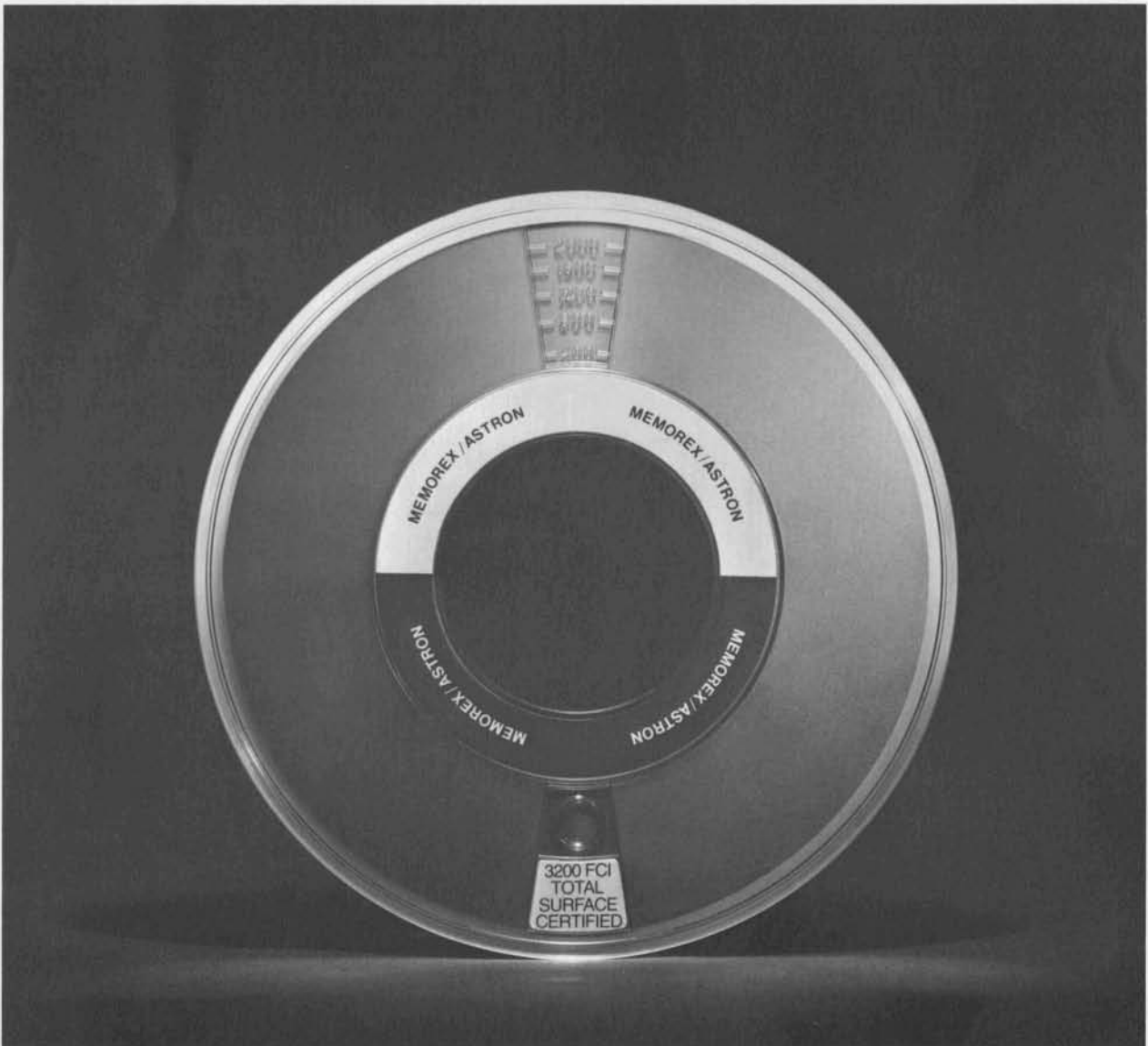


# MEMOREX

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

**Physical Properties**

Base film	Polyester (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. (Max. wet bulb 78°F)
Storage range	40°F to 90°F, 20% R.H. to 80 R.H. (Max. wet bulb 80°F)
Unrecorded tapes	may be stored at 120°F (Max. wet bulb 80°F)