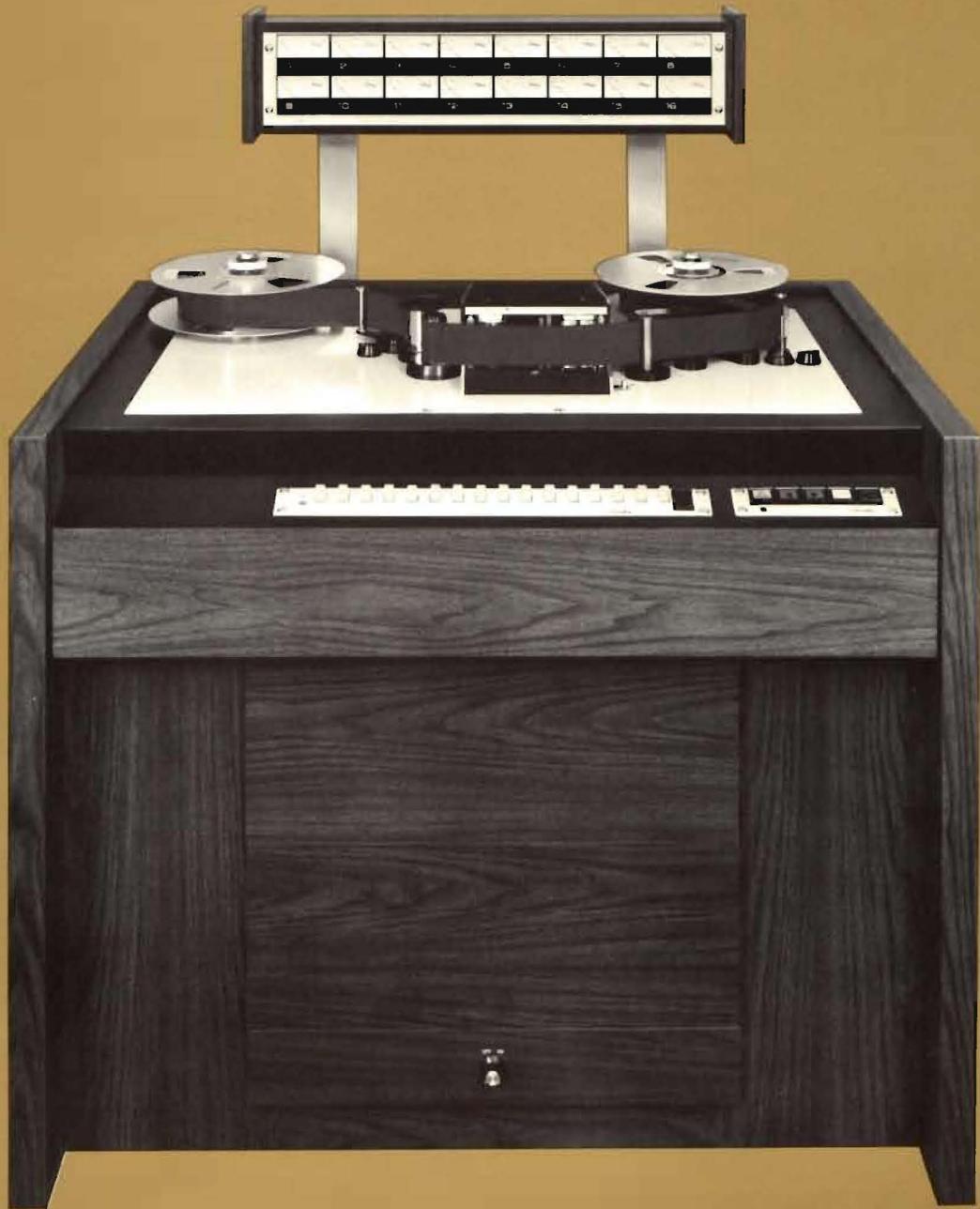


▶ **Dictaphone**  
**100 Series Scully**  
**Professional Studio**  
**Tape Recorders**

# 100



## Description:

The Scully 100 Series, a new professional recorder/reproducer, offers the studio greatly improved performance, substantially lower cost, reduced size and simplified maintenance. Today, most recorders are "factory-loaded" with features, accessories and extras that are already available on studio mixing consoles. The Scully 100 offers a much-needed basic master recorder/reproducer, available with as few (or as many) accessories as are needed.

### Improved Performance:

This new Scully series establishes a new standard of performance in over-dubbing or sync modes. Studios will appreciate the absence of switching transients and the ability to go from play to record to sync . . . in fact from any mode to any other . . . with no measurable performance difference. Sync frequency response identical to reproduce, elimination of drift, and new ease of alignment are just a few of the electronic features of the 100.

### Added Features:

- Specially designed record/play head eliminates need for separate playback head and over-dub switching
- Up to 50% less cost due to elimination of redundant components and extra features
- Ease of handling. The 100's tape transport utilizes HTL (High Threshold Logic) integrated circuit devices. In addition, the 100 is spill proof and provides the operator a much-desired cue mode
- Advanced Maintenance Techniques. Control logic and electronics offer instant plug-in maintenance



# 100

## Specifications:

**Tape Speed:** Single speed, 15 ips (30 ips on special request)

**Multi-Channel Configurations:** 16 Track on 2" Tape, 12 or 8 Track on 1" Tape

**Mounting:** Custom Floor Console Mount

**Tape Transport Controls:** Start, Stop (and Cue), Fast Forward, Fast Rewind, Automatic Tape Lifter Defeat

**Reel Size:** Up to 11 1/8"

**Start Time:** Play speed in 0.1 second

**Timing Accuracy:** 99.9%

**Rewind Time:** Approximately 75 seconds (2,400 ft. Reel)

**Flutter & Wow:** 0.06% rms, 0.5 to 200 Hz, unweighted (per ASA Z57.1)

**Frequency Response:** ± 2 db, 35 Hz to 15 KHz

**Signal to Noise Ratio:** Reference + 10 dbm using 3M 206 or equal: 16 Track (2") 63 db, unweighted (30 Hz to 20 KHz band pass)

**Electronic Controls:** Record-Sync Mode Selector, Input & Output Level, Record & Sync Playback High Frequency Equalization, and Master Bias Level

**Equalization:** NAB, 50 microseconds + 3180; CCIR, 35 microseconds

**Bias Oscillator Frequency:** 100 KHz

**Erase Oscillator Frequency:** 100 KHz

**Sync/Playback Output:** + 4 dbm from Balance or Floating Unbalanced Line of 15 to infinite Ohms Impedance

**Input Impedance:** 10 K

**Output Impedance:** Less than 100 Ohms

**Remote Controls:** All except Power On-Off

**Power Requirements:** 115 Vac, 50 or 60 Hz, 1000 Watts

## ▶ Scully/Metrotech

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