Until now, "entry level" has often meant compromise: crude user interfaces, limited I/O, and non-real-time processing of even the most basic edits such as crossfades. The new Fostex Foundation 2000 'LS' and 2000 'LX' configurations have changed this equation. They offer unprecedented power for the price—plus a ready expansion path to full digital mixing capabilities.

Each configuration is a self-contained 16-channel, 8-output recorder/editor with a host of professional features such as real-time crossfades on all channels at all times, waveform editing with smooth tape-style scrubbing, eight 18-bit analog ins and outs, and removable project media. The main unit has slots in the front for up to six DSP ACE™ cards; another six slots in the back allow for various combinations of analog and digital I/O, including ADAT™ Optical, synchronization, computer interface, and external machine control.

The 2000 'LS' and 2000 'LX' answer the industry's need for upgradable yet inexpensive editing systems that are easy to learn and fast to use. You can learn either system in about 15 minutes, with absolutely no computer background. And with

Entrees to *Foundation 2000: 'LX' and 'LS'* Configurations.

the Foundation's modular design, you can buy exactly the right amount of processing power you need now—and expand easily as needed. 'LX' is ideal for users who do not require extensive machine control and synchronization capabilities. 'LS' adds the sync board, enabling full LTC and VITC chase/lock features.

The 'LX' and 'LS' also share the Foundation's unique real-time editing software. Audio can be displayed as waveforms on the touch screen. Editing is accomplished by simply touching the desired audio event and using the dedicated buttons to perform the edit. A built-in librarian stores audio for later retrieval, and markers can be dropped during recording or playback to identify desired segments of sound.
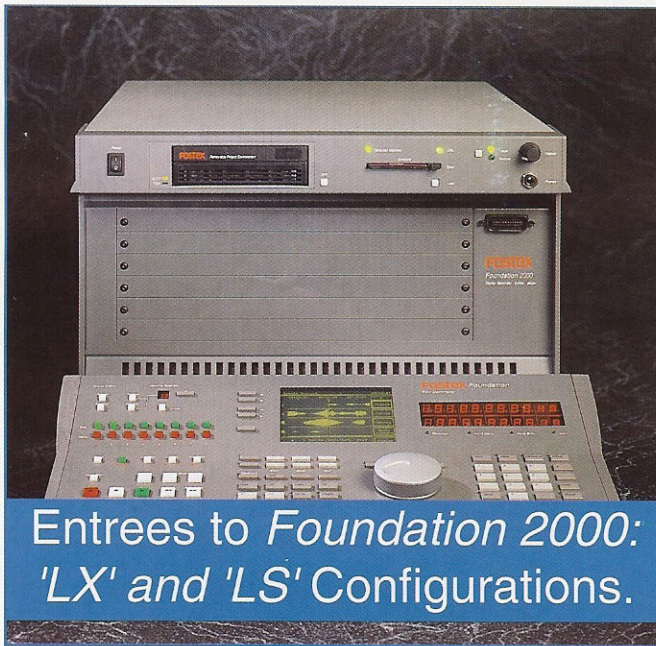
All Foundation configurations share the Fostex Removable Project Environment (RPE™) file format, allowing facilities to easily share work among many editing stations.
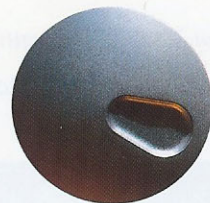

All configurations include the innovative Fostex Edit Controller. Its weighted jog/shuttle wheel, touch screen, and dedicated buttons for transport and editing make the Foundation 2000 'LS' and 2000 'LX' the fastest recorder/editors.
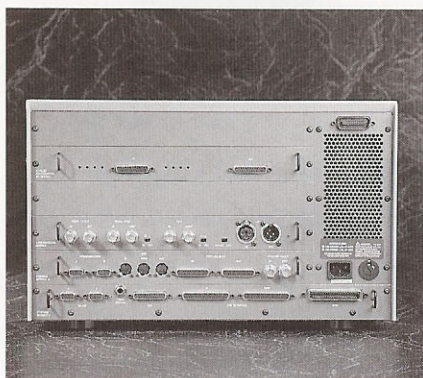

The 'LX' configuration is the basic entry to Foundation technology. The 'LS' configuration adds the sync board. Both configurations can be easily upgraded in the field at any time.
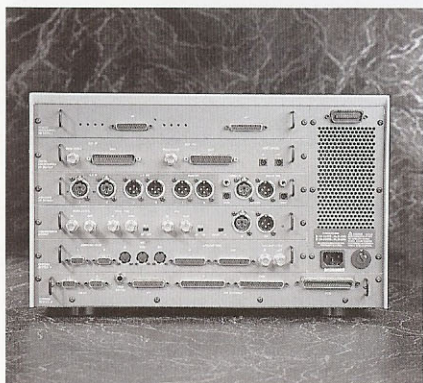
FOSTEX
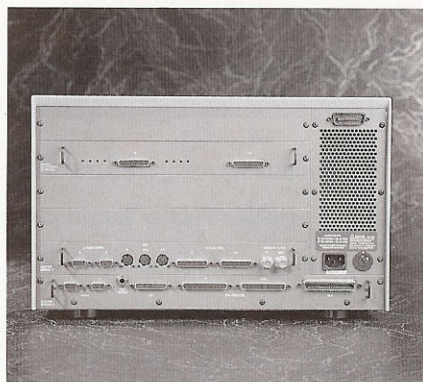
Foundation 2000 'LX' is equipped with the Analog Multichannel I/O Module.

Foundation 2000 'LS' is equipped with the Analog Multichannel I/O Module and the Synchronizer Module.

Foundation 2000 is filled with the Synchronizer Module, the 2-Channel I/O Module, and both the Analog and Digital Multichannel I/O Modules.

Foundation 2000 'LX' / 'LS'

A/D Converter:	18-bit; 64x oversampling
D/A Converter:	18-bit; 8x oversampling
Sampling Frequency:	48, 44.1 and 32kHz
Storage Time:	Variable, depending on selected drive(s)
Signal-to-Noise Ratio:	100dB
Dynamic Range:	94dB
THD+N:	0.007% @ 1kHz, +18dBu
Frequency Response:	20Hz to 20kHz (+0.1dB, -0.6dB)
Power Requirements:	100–125VAC or 200–240VAC; 47–63Hz
Power Consumption:	450W maximum

Analog Audio I/O

8 Inputs:	+4dBu, >10kΩ, DB25
8 Outputs:	+4dBu, <50Ω, DB25, electronically balanced

Data Communication

RS-422:	DB9 (Sony 9-pin protocol), 1 master, 1 slave
MIDI:	In, Thru, Out
GPI:	DB25 and 1/4" phone jack for foot switch
Serial:	DB9, RS-422 or RS-232
PC Interface:	DB37
SCSI/SCSI 2:	Centronics 50-pin

Main Unit (6U)

Dimensions:	482 x 590 x 290mm (19 x 23 x 11.5 in)
Weight:	29kg (64 lb) maximum

Edit Controller

Dimensions (w/ Armrest):	482 x 285 x 87mm (19 x 11.3 x 3.5 in)
Weight (w/ Armrest):	4.5kg (10 lb)

Foundation 2000 'LS'

Pull-Up/Down:	±0.1% of 48kHz and 44.1kHz
Varispeed:	12.5% of 48kHz and 44.1kHz, 1.0% of 32kHz

External Reference

Word Clock:	TTL compatible, BNC
Video Sync:	0.5–2.0V p-p, BNC

Timecode Formats:	24, 25, 29.97, 30 fps (non-drop); 29.97, 30 fps (drop-frame)
VITC:	0.8–1.2V p-p, BNC
LTC input:	100mV–30V p-p, >10kΩ, XLR
LTC output:	0–6V p-p, <50Ω, XLR, electronically balanced

Specifications are subject to change without notice.