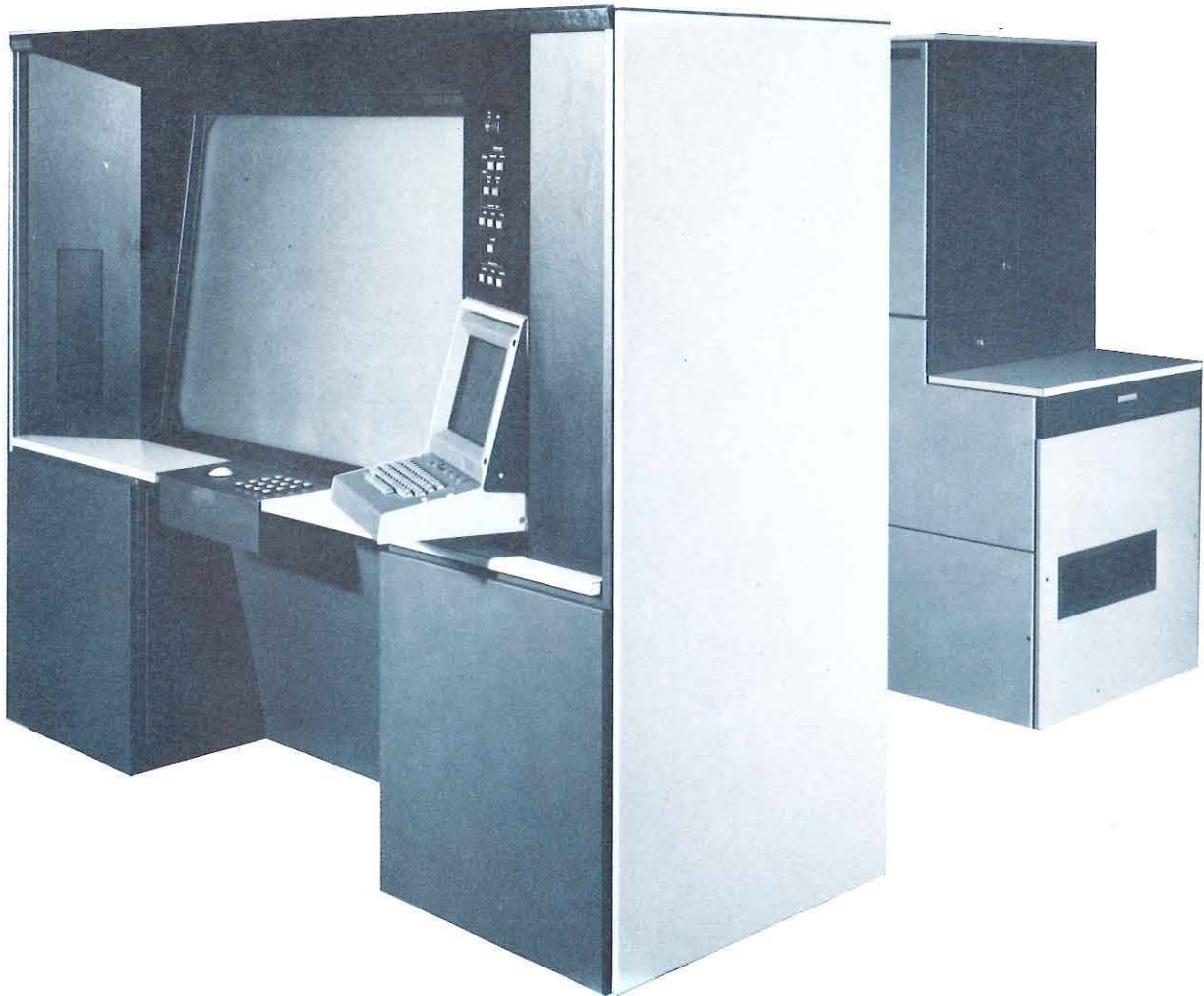# Laser-Scan
FASTRAK HRD System Computer Configurations

Computer configurations

Laser-Scan products, HRD-1, the superfast display/plotter, and FASTRAK, the revolutionary line following digitizer are both computer based systems. To ensure that the customer and the operator have the most comprehensive service available on a worldwide basis, Laser-Scan use Digital Equipment Corporation's PDP 11 series mini computers.
The requirements of both HRD-1 and FASTRAK necessitate the use of disc based operating systems with high speed floating point arithmetic. Opposite are the **minimum** configurations for the computers.

Laser-Scan Limited
Cambridge Science Park, Milton Road
Cambridge, CB4 4BH, England
Telephone Cambridge (0223) 69872
Telex 817346

	HRD-1	FASTRAK
Processor	PDP 11/34	PDP 11/55
Memory Type	Core/Mos	Core/Core-Bipolar/Bipolar
Memory Size	32K words (Note 1)	48K words (Note 2)
Console Terminal	LA36	LA36
Floating Point Processor	FP11-A	FP11-C
Disc Memory System	RK611 (14Mb)	RK611 (14Mb)
Magnetic Tape System	TME11 (9 track)	TME11 (9 track)
Operating System	RSX-11M-V3	RSX-11M-V3
Language	(Note 3)	Fortran IV Plus

Other configurations of the PDP 11 range may be suitable, in particular the PDP 11/45, /60 or /70 models. Laser-Scan would be pleased to discuss the suitability of alternatives with you.

Note 1
Recommended minimum memory size for cartographic purposes is 48K words.

Note 2
Recommended minimum memory size for cartographic digitizing and overlapping post-processing is 64K words.

Note 3
If HRD-1 is to be used for cartographic editing, DIGITAL Fortran IV is adequate.

LS/GEN/278/3