2D/3D INTERACTIVE COLOR TERMINAL
MATROX GXT-1000

THE NEW MATROX GXT-1000 color graphics terminal delivers true 2D/3D interactive performance. It's fast. It's intelligent. It's high resolution. And it costs less than $10,000 in OEM quantities. Complete.

THE GXT-1000 TRANSFORMS, CLIPS AND DRAWS lines at speeds of up to 20,000 vectors/second. Area filled rectangles at 5000 rectangles/second. True 3D 1000 polygon pictures with hidden surfaces removed and shaded in 10 seconds.

HOST WORKLOAD AND COMMUNICATIONS ARE GREATLY REDUCED. The GXT-1000 allows the user to down
load complete object data files, using 64K x 64K x 64K virtual co-ordinates, to local memory. The terminal contains up to 22 Mbytes of RAM and disk mem-
ory for local picture segment storage, (up to 2000 active segments). Once downloaded, all data manipulation and viewing can be performed locally, in near real-time, without host support.

HIGH RESOLUTION
- up to 1280 x 1024
- 4 to 16 video planes
- 256 color look-up table per surface
- 19" high res. color monitor
- interlaced or non-interlaced

HIGH SPEED
- 80286 graphics engine
- 6 pipelined slave processors
- up to 20,000 short vectors/sec
- up to 5000 filled rectangles/sec

HIGH PERFORMANCE
- 64K x 64K x 64K virtual addressing
- local picture storage up to 22 Mbytes on disk
- local segment storage up to 1 Mbyte (2000 segments) in RAM
- full 2D transformations standard
- 3D with hidden surface removal and shading optional
- multiple viewports and dialog areas (up to 64)
- real time pan in 64K x 64K virtual space

LOCAL I/O SUPPORT
- host interface via RS-232, RS-422/449 or parallel DMA
- detachable low profile keyboard
- complete interfaces for data tablet, optical mouse, printer & plotter
- add-on Winchester/floppy disks

OEM OPTIONS
- desktop or rackmount electronics
- available unbundled as Multibus board set
- VAX host software package

Multibus, 80286 - TM INTEL VAX - TM DEC

matrox
electronic systems ltd.

5800 Andover ave.,
T.M.R., (Montreal) Quebec
Canada H4T 1H4
Telex: 05-825651
Tel.: (514) 735-1182
Reader Service Number 14