

THE GENIUS™

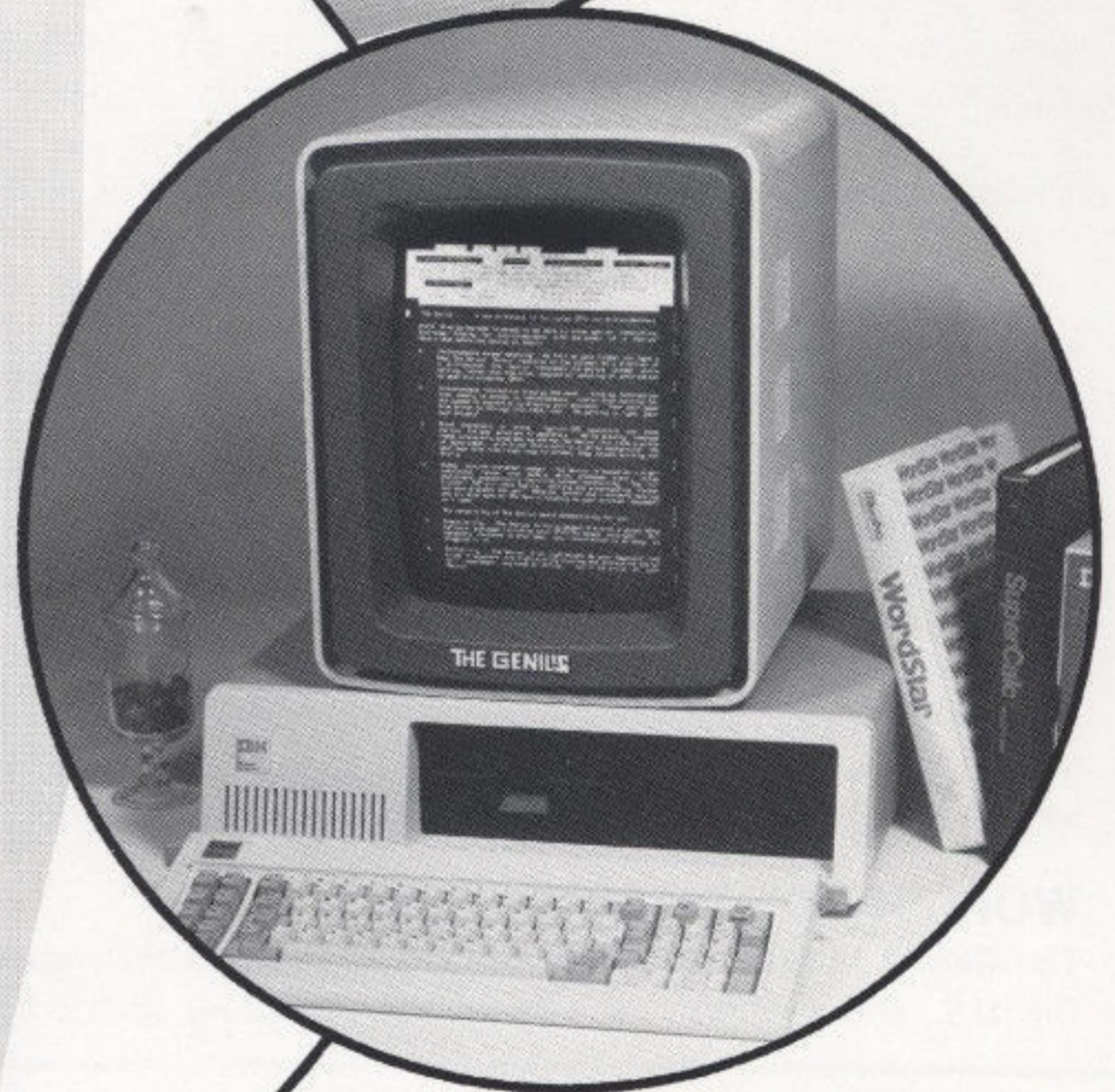
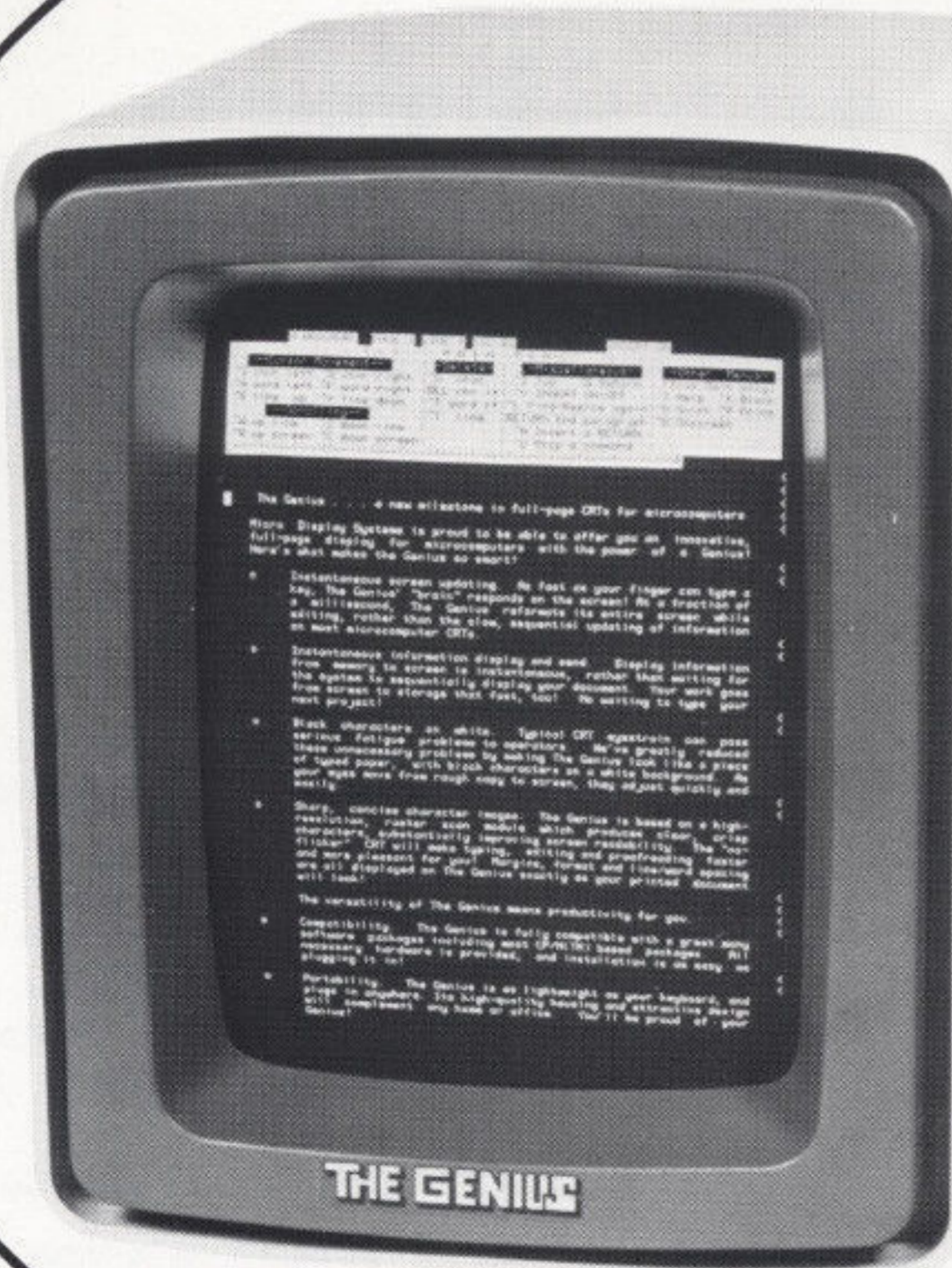
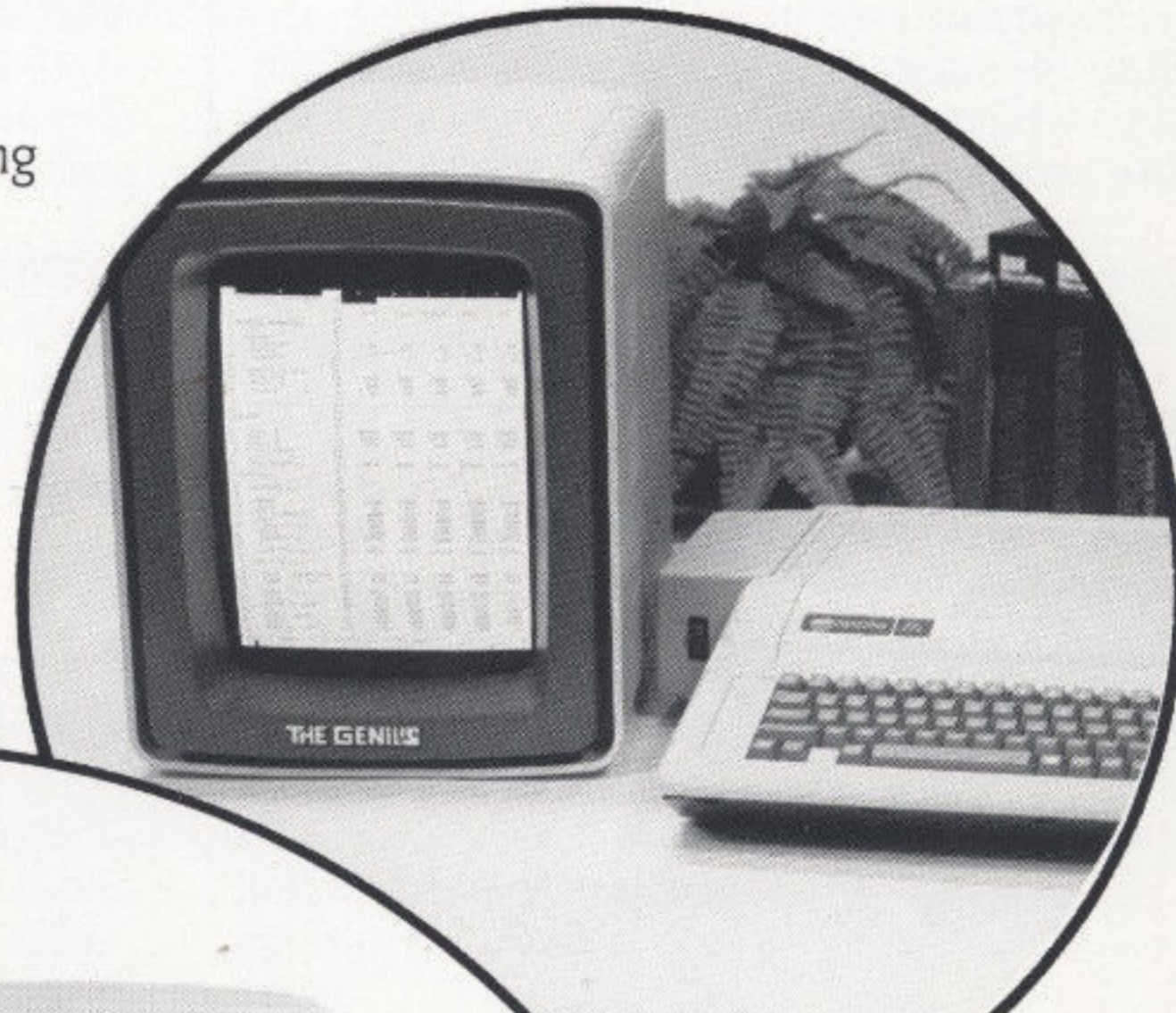
Full-Page Display For Your Computer

USER BENEFITS INCLUDE:

- Improved screen readability with sharp concise character images.
- "No-Flicker" CRT for greater user comfort and less eye fatigue.
- Margins, format and line/word spacing are displayed - saving printout and scrolling time.
- Selectable black on white background simulates a piece of typed paper reducing eye adjustment from rough copy to screen.

FEATURES:

- 57 lines by 80 characters
- Flashing
- High resolution - high density
- Reverse or Normal Video



LET THE GENIUS IMPROVE YOUR PRODUCTIVITY IN THE FOLLOWING APPLICATIONS

- Word Processing
- Text Editing
- Software Development
- Programming
- Accounting Applications

THE GENIUS™

TECHNICAL SUMMARY

MODEL 101 - Apple II* and Apple compatible version

Raster video generator has 8192 bytes of memory separate from the host computer and puts no load on the CPU for CRT refresh.

Character codes for display are captured by the interface card and transferred to the video generator by eavesdropping on writes to the CPU memory. Consecutive write cycles and DMA transfers are fully accommodated.

Operational in 2 modes: (1) Full memory map mode, (2) 40 and 80 column mode (only on the Apple II)

COMPATIBILITY

Special parallel interface plugs into Apple II*, Apple IIe*, Franklin 1000 and 1200**, Basis 108***, and most of the Apple compatible machines.

MODEL 102 - RS-232 version

The RS-232 interface has 8K bytes of screen data buffer that duplicates the screen in the microprocessor. The video generator has 8K of memory for screen update speed.

ASCII data is transmitted over a standard RS-232 port up to 19.2K BAUD (programmable). All attributes and features are controlled by a Z-80 microprocessor. Block data transfer is expedited by the use of a DMA controller.

COMPATIBILITY

Designed for use with most microcomputers and minicomputers, the RS-232 version of "The Genius" is plug compatible to any standard RS-232 port. Including the IBM Personal Computer.****

TECHNICAL SPECIFICATIONS

57 Line Monitor	800 x 720 pixels
Characters per line	80
Resolution	9x14 field, 7x12 character matrix
Character set	128 ASCII characters
Refresh rate	60 Hz
Monitor Bandwidth	approx. 100 MHz
Total Screen Scroll	<3 sec.
Single Line Scroll	200 microseconds
Buffer Memory	8K Bytes - Model 101 16K Bytes - Model 102
Low persistence phosphor	50 microseconds to 1 ms range

PHYSICAL SPECIFICATIONS

Display Size	15" monitor (38.1 cm)
Width	13" (32.9 cm)
Height	16" (40.6 cm)
Depth	17" (43.1 cm)
Weight	40 lbs. (18.14 kg.)

ELECTRICAL SPECIFICATIONS

Electrical	100/120 VAC, 60 Hz Standard 220/240 VAC, 50 Hz
------------	---

FACTORY OPTIONS

Character Font	Foreign Characters Available
Filter or Phosphor Choices	Black & White, Green or Amber

QUALITY CONTROL

MDS monitors are manufactured to the highest quality control standards in the industry, from components through the manufacturing process, burn in and final systems check out.

WARRANTY & SERVICE

Micro Display Systems warrants for a period of ninety (90) days after the retail sale that each product shall be free from defects in material and workmanship. Maintenance provided by full service national systems specialists from 170 offices in the U.S.

WORLDWIDE DISTRIBUTION

The Genius product line from MDS is distributed throughout the U.S. and Europe. For information regarding distributor,

dealer, or OEM pricing, contact:

Director of Marketing — 1-800-328-9524.

RESEARCH & DEVELOPMENT

Micro Display Systems maintains an aggressive research and development program to produce an expanded line of high resolution text and graphics monitors and terminals. New product design and product redesigns are developed through continuous research into the fast changing needs of the micro-based market, and the growing awareness of the importance of ergonomic factors and their influence on operator comfort and productivity. Soon to be announced: terminal, graphics, landscape and color.

Distributed in your area by:



MICRO DISPLAY SYSTEMS, INC.
1310 Vermillion St.
P.O. Box 455
Hastings, Minnesota 55033

Telephone: (612) 437-2233
Telex: 29-0766
Toll Free: 1-800-328-9524