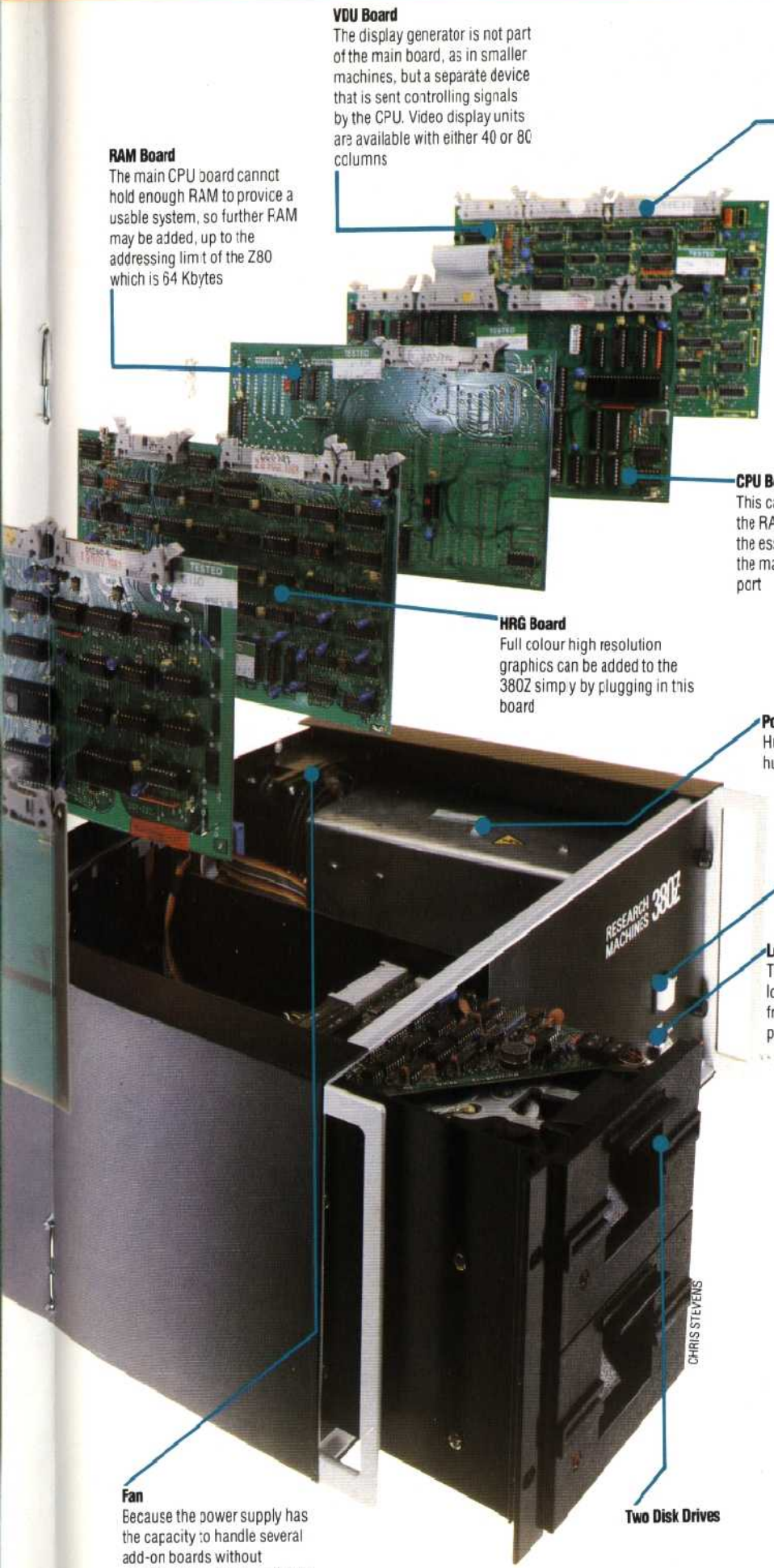

Research Machines 380Z

PRICE
£2,062 (5in disk system)
£3,395 (8in disk system)
Educational discounts available

SIZE
595 x 425 x 215mm

CPU
Z80

CLOCK SPEED
4 MHz

MEMORY
Up to 6 Kbytes ROM
56 Kbytes RAM

VIDEO DISPLAY
24 lines of 40 or 80 characters, seven colours with up to 255 shades. Graphics resolution of 320 x 192 and 160 x 96

INTERFACES
RS232 serial, cassette, parallel printer

LANGUAGE SUPPLIED
Research Machines extended BASIC

OTHER LANGUAGES AVAILABLE
ALGOL, FORTRAN, and CP/M standards

COMES WITH
Manuals for installation, CP/M, disk system, cassette system and BASIC utility programs on disk

KEYBOARD
60 word-processor quality keys

DOCUMENTATION
Excellent, though a little dry. The information is comprehensive and easily referenced

memory, and may not leave sufficient room for sophisticated user programs. For this reason, three versions of the BASIC are provided, with either all, some or none of the HRG package included, depending on how constraining your memory requirements are.

The use of the HRG package is not limited to BASIC, and as a simple machine code file it can be accessed from any language. Since the 380Z is generally run under CP/M (see page 410), this means that a wide range of languages are available, but the machine is highly unusual in the microcomputer world in having a version of ALGOL configured to run on it.

This language, which many European scientists prefer to FORTRAN (the language favoured in North America for science purposes), resembles PASCAL and is particularly strong in complex mathematical calculations, such as those involved in structural design. This is another factor that makes the machine attractive to educationists.