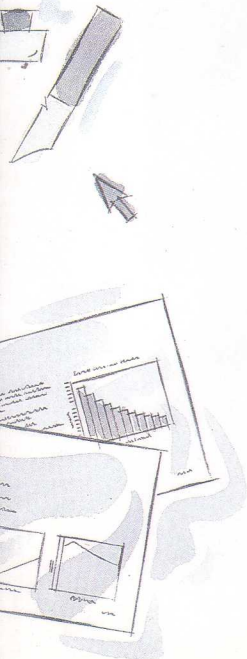


# Acorn A5000

*The benefits of power*



Acorn 



## A5000: The benefits of power

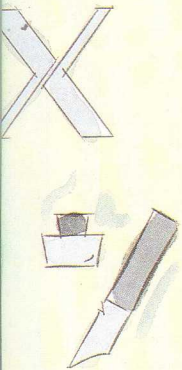



### APPLIED POWER

The Acorn A5000 is a formidably powerful computer, designed to deliver the benefits of its speed and flexibility.

A new member of Acorn's family of high-performance computers, the A5000 provides the complete solution to your requirements whether your principal area of interest is education, business or research.

The A5000 is exceptionally:

- 
- easy to use
  - flexible
  - expandable
  - connectable
- 

## SUPERSEDING STANDARDS

At Acorn, we understand the need to comply with standards but refuse to be restricted by them.

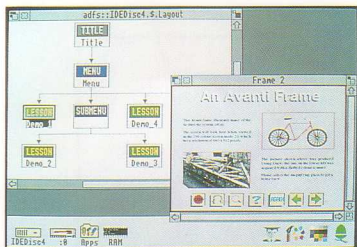
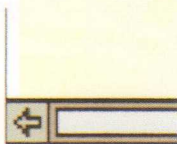
The A5000 has a full PC AT style keyboard and a mouse, but our keyboard has a number of helpful extra keys and the mouse has three buttons to give you greater control.

The A5000 supports industry standard monitors as well as a range of enhanced displays which are controlled by built-in software. You do not have to change your graphics card.

The monitors and disc drives meet the principal industry standards and can read information from a range of floppy disc types.

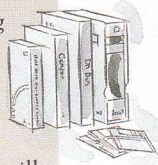
However, Acorn has improved on standard technology enabling floppy discs to store more data.

The A5000 has a set of standard connectors enabling you to connect a wide range of peripherals.



## POWERFUL SOFTWARE

The A5000 is supplied with a suite of software which includes text editing, painting and drawing programs to get you started immediately.



Whatever your interests, you will find a choice of exciting general and specialised software that is certain to meet your needs; and new titles are being added all the time.

With the optional PC Emulator software your machine is transformed into a PC at the click of a mouse. You can then run PC software at the same time as any of the wide range of titles written to exploit the extra power of the RISC processor.

## GROWING TO MEET YOUR REQUIREMENTS

As your computing requirements grow, the A5000 can be customised to meet them.

To add memory, simply plug in a RAM card. An additional bay is provided inside the A5000's case, ready for an extra 3½" floppy disc drive.

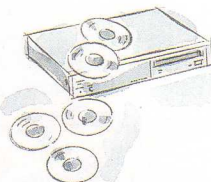
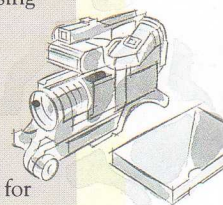
Interface cards allow you to connect the A5000 to a range of devices – from video cameras to laboratory instruments.

## MULTIMEDIA AND IMAGE PROCESSING

The combination of the multi-tasking environment, high speed and connectivity make the A5000 the natural choice for multimedia or image processing applications.

Fast processing, large and fast storage options and the availability of upgrade cards for MIDI, professional sound sampling and video frame grabbing, make the A5000 your ideal partner.

By connecting video cameras or CD ROM players, you can introduce valuable, high-quality images into training or desktop simulations. The A5000's sophisticated sound capability enables you to add an extra dimension to any presentation.



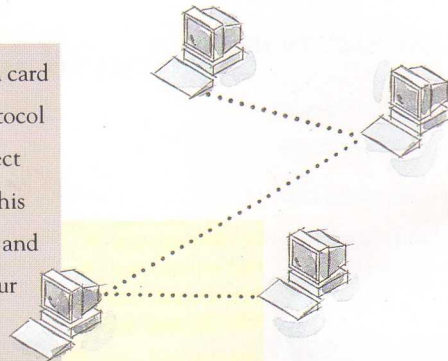


## CONNECT TO OTHER SYSTEMS

With the Ethernet expansion card and the optional TCP/IP protocol suite software, you can connect straight into open systems. This enables you to add the power and flexibility of the A5000 to your LAN, integrating with other TCP/IP or PC NFS systems in a window on the RISC OS desktop.

The optional X11 window system provided by !X allows you to run UNIX applications from other UNIX machines on your network.

For local departmental connectivity of work groups, the A5000 can be used as a Gateway between Econet, Acorn's low-cost proprietary network, and Ethernet subnetworks.

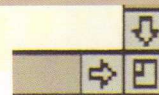
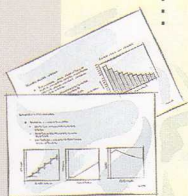


## DESKTOP PUBLISHING

The A5000 is the perfect machine for desktop publishing. Commonly used fonts are stored in ROM as part of the operating system, maximising the disc space available for developing your projects.

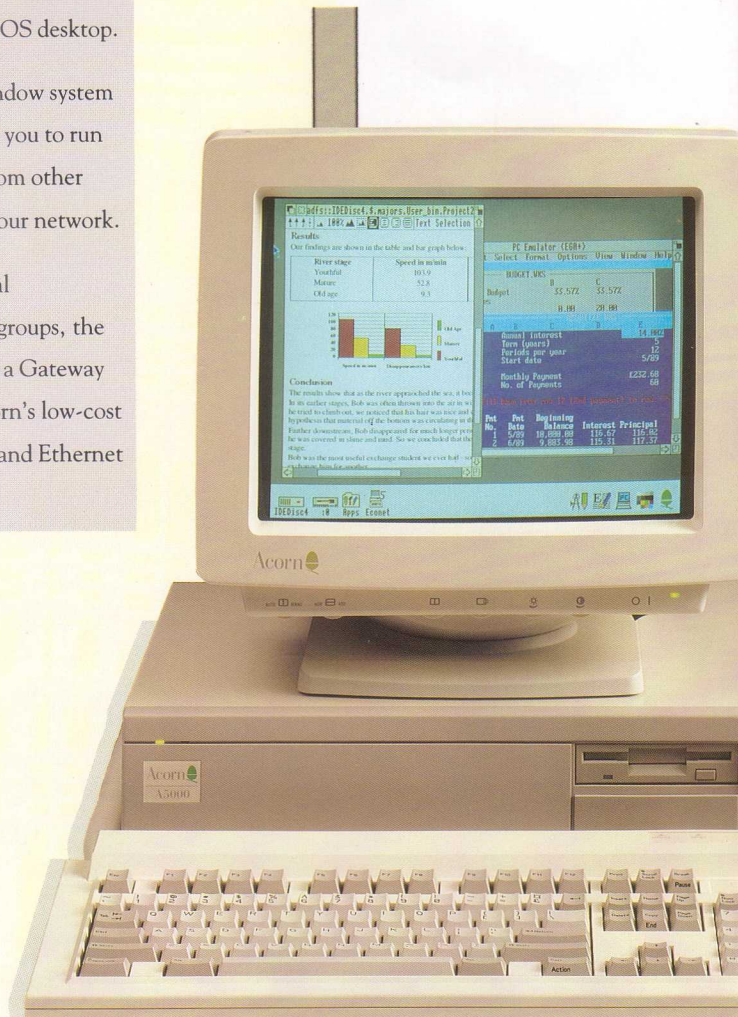
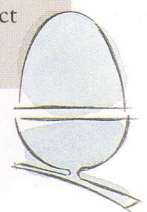
You only need to install the outlines of additional fonts. Acorn's state-of-the-art font manager scales them for you, giving you a complete range of point sizes, from 1/6 to a size limited only by your application.

Using well-proven software, you can print your document, either as a colour separation or as a complete document. The A5000 can print using a fast laser, Postscript or dot-matrix printer. Alternatively, you can save your work in a Postscript compatible file which can then be read by typesetting machines.



## COME AND TALK TO US

No matter what your computing needs, your Acorn dealer will be pleased to discuss these with you, ensuring you make the correct choice.



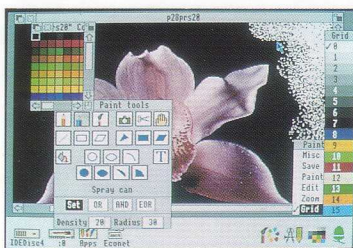
## QUICK AND EASY TO USE

The A5000 is built around Acorn's fast, 32 bit, RISC processor – the power behind Acorn's easy-to-use window interface, RISC OS.

RISC OS 3 is an enhanced version of RISC OS, which is built into the computer and available the moment you switch on. You don't have to wait while software is loaded from disc and RISC OS does not occupy valuable storage space.

After a quick memory check, the easy-to-use graphical interface gives you instant access to your discs and applications.

RISC OS is multi-tasking. You could, for instance, complete your presentation slide using the built in drawing package while the A5000 is copying a file; or you could be reminded of an appointment by the alarm program while working in the text editor.

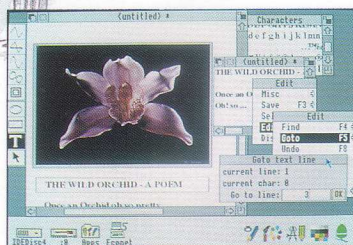
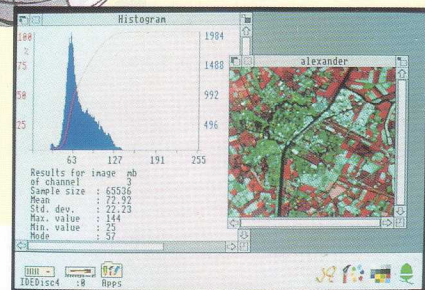
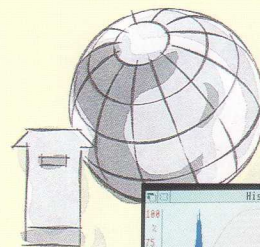
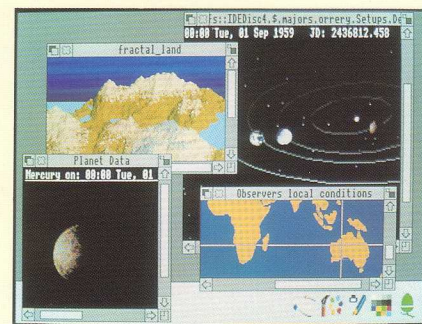


## BUILT FOR ACTION

The A5000 is robust. Years at the forefront of the education market proves that we build computers that can accept harsh treatment and go on performing – day in, day out.<sup>1</sup>

Of course we don't only supply high-performance computers to education and research. Acorn is the UK's no. 1 supplier of RISC systems. Our customers include 85% of the country's schools<sup>2</sup>, higher education establishments, and leaders of industry such as Powergen and Westland Helicopters.

Acorn computers are proving their value all over the world – from Sydney to Beijing, Madrid to Tokyo.



<sup>1</sup> MANUFACTURED TO BS7002 (EN60950)  
<sup>2</sup> TAYLOR NELSON SURVEY, MAY 1991

## THE A5000 IN THE ACORN RANGE

Hardware	A3000	A5000 1M FD	A5000 2M HD	A540
CPU (32 bit RISC architecture)	ARM2	ARM3	ARM3	ARM3
Main memory (Dynamic RAM)	1MB	1MB	2MB	4MB
Expandable to	2MB	4MB	4MB	16MB
Embedded cache		standard	standard	standard
ROM	512K	2MB	2MB	512K
Floating point accelerator		New ARM-FPA available 1992	New ARM-FPA available 1992	New ARM-FPA available 1992

Internal hard disc (formatted, 1:1 interleave)		optional	40MB	120MB
Floppy disc (formatted)	800K	1.6MB	1.6MB	800K
Separate keyboard (103 enhanced PC AT layout)		standard	standard	standard
Mouse (3 button)	standard	standard	standard	standard
Parallel centronics	standard	standard	standard	standard
Serial	optional	standard	standard	standard
SCSI controller	optional	optional	optional	standard
IDE controller		standard	standard	
3.5mm jack for stereo sound	standard	standard	standard	standard
Free expansion slots	half size int/ext conn	4*	4	3

\* Optional backplane required

Display Support				
Analogue RGB (640×256) up to 256 colours	standard	standard	standard	standard
Multi-scan (640×512) up to 256	standard	standard	standard	standard
VGA (640×480) with 16 colours		standard	standard	standard
VGA (640×480) with 256 colours		standard	standard	standard
Super VGA (800×600) with 16 colours				standard
High resolution (1152×900) monochrome				standard

### RISC OS Applications provided with every machine ROM Based Applications

!Paint	Paint package
!Edit	Fully featured text editor
!Draw	Object orientated drawing package
!Alarm	Set alarms to remind you of those key appointments
!Calc	Calculator utility
!Chars	Displays characters for new fonts
!Configure	Machine configuration utility
!Help	Interactive help utility
!Pinboard	files, directories and applications can be attached to the desktop

### A Selection of Disc Based Applications provided with every machine

!Printers	control common printers
Printer edit	or save your own printer driver to suit your needs
!Fontprint	allows RISC OS fonts to be used on Postscript printers
!Clock	analogue clockface with all functions of a clock
!Mailman	manager to send and receive electronic mail
!Maestro	music editor including new tunes and print score facilities
!Tinydirs	facility for keeping directories on the icon bar
!Magnifier	magnifies the screen

### ORDERING DETAILS

A5000 2M HD System (which includes an  
A5000 computer and Acorn multi-scan  
monitor as shown in illustrations), use  
product code **ALB12/AKF18**.

#### England

Acorn Computers Limited  
Fulbourn Road, Cherry Hinton  
Cambridge CB1 4JN  
Telephone (0223) 245200  
International (+44 223) 245 200  
Fax (0223) 210685

#### Australia

Acorn Computers Australia Pty Ltd  
12 Gipps Street  
Collingwood  
Victoria 3066  
Telephone (03) 419 3033  
International 010 613 419 3033  
Fax (03) 419 2892

#### Australia

Acorn Computers Australia Pty Ltd  
Unit 7, 190 George Street  
Parramatta  
New South Wales 2150  
Telephone (02) 891 6555  
International 010 612 891 6555  
Fax (02) 635 9641

#### New Zealand

Acorn Computers New Zealand Limited  
1 Ngaire Avenue, PO Box 26-287  
Epsom, Auckland 3  
Telephone (09) 5204 049  
International 010 649 520 4049  
Fax (09) 520 3321  
Telex A.A. 178559SATCOM

Every effort has been made to ensure that the information in this leaflet is true and correct at the time of printing. However, the products it describes are subject to continuous development and improvement and Acorn Computers Limited reserves the right to change the specifications at any time. Acorn Computers Limited cannot accept liability for any loss or damage arising from the use of any information or particulars in this leaflet.

ACORN, the ACORN logo, ARM and ECONET are trademarks of Acorn Computers Limited.

ETHERNET is a trademark of Xerox corporation. UNIX is a trademark of AT&T.

X WINDOW SYSTEM is a trademark of Massachusetts Institute of Technology.

All other trademarks acknowledged.

APP 390 SECOND EDITION NOVEMBER 1991. © Acorn Computers Limited 1991.

All rights reserved.

Acorn