
—ACORN GOLD BOND— VAR PRODUCT CATALOGUE

FIRST EDITION

VAR PRODUCT CATALOGUE

ACORN GOLD BOND

VAR PRODUCT CATALOGUE

This hardware, software and peripherals listing is primarily aimed at Value Added Resellers (VARs) and system integrators.

IT CAN BE USED TO DETERMINE

- What is available
- Whom to approach to buy a copy and for trade price information
- Where to go for support and training
- Whether evaluation copies are available

The listing is indexed by supplier's name, product type and product name.

For information on how products can be included in this catalogue, please contact Kirk Allchorne, VAS, Applications Marketing Manager, Acorn Computers Limited, Fulbourn Road, Cherry Hinton, Cambridge CB1 4JN.

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Ace Computing

227 Victoria Road

Cambridge

CB4 3BW

Tel: 0223 322559

RISC OS EUCLID

RRP: £70.00 inc VAT and p&p

Site Licence: £280.00 (for up to 20 machines)

Minimum RAM requirements: 1Mb

Euclid is a 3D modelling and animation system, specially written for Archimedes systems. It is ideal for use in a wide range of areas from art to CDT. The package consists of a fully interactive Design program which enables the user to create objects and compose scenes in 3D with the minimum of fuss. The results can then be viewed from a variety of positions and angles, with camera control like a TV studio. More advanced users with programming knowledge can incorporate Euclid's features into their own programs via the SYS command in BASIC V. Many example programs are supplied, including a simple film generator. Features of the system include orthogonal or perspective projections, line or surface drawing, full hidden surface removal in real time and simple lighting effects. The Design program supports most printers, including colour printers, at full resolution.

The main Editor is based firmly on Acorn application guidelines, allowing new users to get to grips with it with the minimum of tuition. It is a multi-document editor capable of showing multiple views on multiple files, with movement of objects between files by simple dragging. The new interface uses single window editing, giving a more natural approach to the problem of design in 3D. A large amount of the editing process can be controlled by instant action tools.

New features include:

- File/object viewers to simplify file and library organisation and maintenance
- Multiple object selection and movement
- Group/ungroup functions
- Grid locking and measurement
- Import and export of Draw files.

Video support

- 256 level fade on both computer and player video channels
- traditional keying of video on any selection of colours which are defined as transparent

MOGUL

RRP: £20.00 inc VAT & p&p

Site Licence: £80.00 inc VAT (for up to 20 machines)

Minimum RAM requirement: 1Mb

Mogul is a film-making add-on to Euclid, the 3D graphics system.

With Mogul, scenes created in Euclid can be brought to life when replayed at high speed in an animated cartoon sequence. Euclid's 3D objects can also be combined with 'scenery' created in an artwork package, producing even more sophisticated animated graphics.

Mogul takes the hard work out of animation—only a few camera positions need to be set up, as all intermediate frames are calculated for you. Articulated movement is also simple to achieve. Full advantage is taken of Euclid's hierarchical data structure, so that, when one element is moved, those joined to it move automatically.

A public domain version of the Ace Film format projector is available to run under RISC OS, enabling Mogul films to be played by non-Euclid users.

SPLICE

RRP: £30.00 inc VAT and p&p

Site Licence: £120.00 inc VAT (for up to 20 machines)

Minimum RAM requirement: 1Mb

Splice is a film editor. You can examine and edit a film frame by frame.

If used in conjunction with any art package (eg Paint), Splice can allow you to make simple cartoons by drawing each frame. Films can be played with Ace Computing's Projector application, which comes free with Euclid, Mogul, Splice and Tween.

TWEEN

RRP: £30.00 inc VAT and p&p

Site Licence: £120.00 inc VAT (for up to 20 machines)

Minimum RAM requirement: 1Mb

Tween produces films from Draw files. It uses techniques similar to Mogul and generates a film by calculating intermediate frames from a set of key positions.

Prices for Splice and Tween are introductory prices and will be changed during 1990.

Acorn Computers Ltd

Fulbourn Road

Cherry Hinton

Cambridge

CB1 4JN

Tel: 0223 245200

Fax: 0223 210685

Telex: 817875 ACORN G

Items not listed on Acorn Retail Price list:

CHANGEFSI: COLOUR IMAGE PROCESSOR

RRP: Program available under licence from Acorn Computers Ltd to registered ISVs, IHVs and VARs.

FSI stands for Floyd Steinberg Integer. ChangeFSI performs Floyd Steinberg error diffusion dithering as a major step in processing pictures while preserving as much information as possible.

The program can read the following formats:

- RISC OS 1, 2, 4 and 8 bit per pixel sprites
- Watford digitiser pictures 512x256y64g and triple red, green, blue separations
- ProArtisan compressed pictures 640x256y256c
- TimeStep satellite image 800x800y256g
- TimeStep satellite image 128x256y256g and triple red, green, blue separations
- AIM/Wild Vision Hawk V10 files 256x256y256g
- TIFF pictures
- Electronic Art's IFF ILBM pictures
- Sun 1 bit per pixel files
- .PIC 8 bit per pixel files
- Millipede Prisma 768x574y 8 bit colour images
- Compuserve's GIF files up to 8 bit per pixel
- ZSoft PCX format 4/8 bit per pixel
- MacPaint files 576x720y 1 bit per pixel
- ArVis 15 bit HIP.+LOP. sprites
- GEM IMG. images
- PC EGA .DSP images 640x350y16c
- MTV 24 bit pic. images
- QRT 24 bit .raw images
- RT 24 bit run length coded image. files

It can write any of the RISC OS SpriteFile formats and the AIM format.

It provides the ability to read, scale the data to improve the picture, change the x and/or y size of the picture, sharpen the picture and write the result using error diffusion dithering in one step (so it provides the best possible quality). All operations are carried out with 32-bit fixed-point numbers (three per pixel in the case of a colour picture).

The source of the program (BASIC and machine code) is provided and it is easy to upgrade the program to read new formats. Alternatively, you can send full documentation of the format and some sample source files to Roger Wilson at Acorn. You should request a binary licence if you wish to use ChangeFSI in a product to be made available commercially.

The software is under continual development.

Aleph One Limited

The Old Courthouse

Bottisham

Cambridge

CB5 9BA

Tel: 0223 811679

Fax: 0223 812713

ARM 3 UPGRADE

RRP £595.00 exc VAT

Minimum RAM requirement: 1Mb

The ARM 3 Upgrade board replaces the CPU of the Archimedes system with a 20MHz ARM3 CPU. This produces a substantial increase in speed, dependent on the program being run but typically between three- and five-fold, sometimes more. It is especially attractive in DTP work, and windows on the desktop move smoothly. The ARM3, with its 4K RAM cache, was designed by Acorn so all software is compatible. The small circuit board can be installed by semi-skilled personnel; the necessary chip extractor tool is also available from Aleph One. Archimedes 300 series and Archimedes 440 (AKB20) require the MEMC1a upgrade. ARM 3 Upgrade is not suitable for use with a co-processor or A305 machines (unless upgraded to 1Mb).

Other Products

- A range of memory upgrades, for both the BBC A3000 and Archimedes computers, including an 8Mb memory upgrade for the Archimedes series.

Allied Interactive Ltd
Unit 23 Enterprise Workshops
Earlsway
Team Valley Trading Estate
Tyne and Wear
NE11 0RQ
Tel: 091 482 2214
Fax: 091 482 0873

LEVEL 1 INTERACTIVE VIDEO CARD

RRP: £320.00 exc VAT
Minimum RAM requirements: 1Mb

Level 1 Interactive Video Card features:

- full genlock capabilities with pixel accurate overlay
- total control over transparent colours
- Archimedes RGB monitor can be used with Philips 400 players
- software control of genlock on/off, interlace defeat mode
- genlock reverts to off condition if player syncs disappear
- 2 serial ports are provided to control player and extra peripheral, eg touchscreen.

The serial port driver is fully buffered and interrupt driven allowing fast and reliable communications. The player driver executes as a background task providing a 100% reliable interface.

Fast response is ensured by an internal command queue returning control to the application immediately.

LEVEL 2 INTERACTIVE VIDEO CARD

RRP: £680.00 exc VAT
Minimum RAM requirement: 1Mb

The Level 2 Interactive Video Card has all the features of Level 1 with the following additional facilities:

Audio support

- interrupt driven audio sampler
- software controllable sampling rate
- input channel selection from video player left or right channel
- microphone input or standard line input
- gain control of selected audio source
- output channel selection to monitor from player or computer or mixture of both
- full 256 level fade on monitor channels.

Video support

- 256 level fade on both computer and player video channels
- traditional keying of video on any selection of colours which are defined as transparent.

Advanced true mixing allows a range of special effects to be achieved, eg dissolving computer graphics into player video and vice versa. Video can be faded to any level but areas of interest can be left unchanged to allow a range of special highlight modes; semi-transparency can be used to allow player video to be visible through areas of computer graphics.

Anglia Television for ITV Schools Education Department

Address for orders and information:

Mercury Educational Products

8-10 Lower James Street

London

W1R 3PL

Tel: 071 287 5060

KEY PLUS

RRP: POA

KEY PLUS is a data handling package developed from KEY, making the features of that popular package available for a new range of computers.

A growing range of data files is now available for use with KEY, and many more packages are being planned. Users are rapidly able to access and evaluate data. These packages are now being upgraded using KEY PLUS.

The data management system KEY PLUS greatly increases the facilities available, whilst retaining the familiar and friendly approach of KEY. Designed for the new generation of computers, it becomes a comprehensive information source, as well as providing many functions to enable data to be searched, sorted and analysed.

Museums, libraries and other bodies seeking to supply information can assist by making their data available in KEY format. Suppliers, from atlas specialists to scientific hardware manufacturers will be using KEY and KEY PLUS.

KEY PLUS will meet all your general data handling requirements. Materials — text, data or pictures — can be provided in a flexible format on a system already well established. The system, while remaining constant in its form, is continually under development and many new features are planned for the months ahead.

Forthcoming product

KEY AUTHOR is a knowledge handling and authoring package. It enables users to set up their own multi-media presentations integrating text, sound, video, graphics, specialist programs and other hardware. Close integration with KEY PLUS and the range of data files available will make it an extremely powerful authoring package.

Armadillo Systems

17 Glaston Road

Uppingham

Rutland

Leicestershire

LE15 9PX

Tel: 0572 822499

Fax: 0572 821244

A448 SOUND SAMPLER CARD—MONO

with Adit software

RRP: £135.00 exc VAT

Minimum RAM requirement: 1Mb

The A448 Audio Sound Sampler consists of the sampler board and Adit software. Functions include:

- sample sound
- storing samples to disc and loading samples from disc
- deleting portions of samples
- inserting and copying portions of samples
- adding echo (with full control of parameters)
- overlaying (ie adding) two samples
- four quadrant multiplication.

A playback/sample module allows the playing of any sound file through VIDC from any program and sampling to a specified memory block.

Audio input can either be line or mic levels. Either can be switched from the backpanel. Input is via a mono ¼" jack socket.

A backplane is required to fit the card into the computer.

A448b SOUND SAMPLER CARD—STEREO

with HighNote software

RRP: £165.00 exc VAT

Minimum RAM requirement: 1Mb

The A448b Sound Sampler is equipped with the same facilities as the A448 Audio Sound Sampler. It has the additional capability of stereo input and new HighNote software. A backplane is required.

A448m SOUND SAMPLER CARD & MIDI

with HighNote software

RRP: 195.00 exc VAT

Minimum RAM requirement: 1Mb

The A448m Sound Sampler is the stereo version of the A448 with an optional MIDI in/out/through port. This is an expansion card with 2 x 8 bit audio channels; the sample rate is 41kHz, which is line or microphone selectable. The sampling software package (HighNote) is also supplied and can be installed and executed from a hard disc. A backplane is required.

SPECTRE SFFT SOFTWARE

RRP: £60.00 exc VAT

Minimum RAM requirement: 1Mb

This Fourier analysis/resynthesis package includes spectral editing and custom filter responses. The transform module performs a 256 point FFT in 10ms. It is supplied with a harmonics editing and 3D display package, which allows any filter functions to be applied to a waveform. Applications include: Fourier synthesis, real time note recognition and real time spectrographics. Supplied with full documentation.

A616 SOUND SAMPLER CARD

with HighNote software

RRP: £1295.00 exc VAT

Minimum RAM requirement: 1Mb

The A616 is a compact disc quality 16-bit sound sampler with stereo analogue inputs and outputs; digital audio output to link directly to DAT tape recorders, and digital amplifiers; a MIDI port with in, through and out sockets. Sample rate can be either 44.1 kHz or 48kHz; audio output is four times oversampled to 176.2kHz. An amplifier and socket are included for direct driving of headphones; supplied with the HighNote music software.

HighNote Music Environment

This software is intended as a general purpose, windows-based, object-oriented, multi-tasking environment for the musician, engineer or technician. It is supplied to run with the following products: the A448b stereo 8-bit sampler, the A448m stereo MIDI 8-bit sampler and the A616 16-bit sampler.

HighNote will run under RISC OS, and requires at least 1Mb of memory. It can easily be installed on a hard disc.

HighNote has been written to be easily upgradable, with various different modules to perform different tasks on sound, MIDI information, etc. The software modules supplied with the sampling packages are: disc controller, memory organiser, palette control, sampler (with pre-trigger, threshold, variable sample rates, etc), MIDI and voice control (8 channels simultaneously), real time monitoring (16-bit only), clock, envelope, editor and sample editor (with the following functions: looping, ace in/out, gain control, offset control, insert, delete, copy, overwrite, add, average, move, invert, zero, section information, and zoom view levels continuously variable from minutes to microseconds).

Further modules to be added to HighNote include: direct sampling to hard disc, SMPTE/MIDI sequencer, sample analysis/resynthesis, echo reverb etc. in real time (16-bit), MIDI patchbay editors, and click, scratch noise removal.

Atomwide

23 The Greenway
Orpington
Kent
BR5 2AY
Tel: 0689 38852

ARCHIMEDES PROTOTYPING EXPANSION CARD

APEC PCB + ROM (bar cost) £25.00
APEC Built + ROM £35.00
APEC Built + RAM £40.00
Minimum RAM requirement: 1Mb

The Archimedes Prototyping Expansion Card (APEC) allows medium complexity projects to be built quickly without the need for expansion interface circuitry to be designed. The APEC card includes a full buffered Archimedes expansion interface with provision for a variety of sizes of EPROM or RAM devices for support software and optional interrupt circuitry. Software controls allow the speed of access to the expansion card areas to be controlled and true raw read and raw write commands exist on all expansion card slots, therefore allowing access to semi-built hardware.

Approximately 65% of the APEC's single-width expansion card area is covered with plated-through square pads on to which the prototype circuit may be built. The APEC card is available as a bare PCB with a 2764 ROM, or as a built unit fitted with a 2764 ROM, or as a built card fitted with a 6264 RAM device and supplied with a utilities disc to allow programming of the 6264 device with the current APEC ROM image. Several demonstration circuits are provided including communication with a 6522 dual I/O port and a relay driver.

FOUR-SLOT BACKPLANE

RRP: £59.00 exc VAT
Two slot exchange: £29.00 exc VAT

The Atomwide Four-Slot Backplane allows up to four Archimedes cards to be fitted to a 300 series Archimedes. Supplied ready built and complete with metal-work and fan unit. The backplane can be easily installed in a few minutes with the help of a screwdriver.

Forthcoming products:

- PalWriter PAL Programmer
- VGA Screen Generator

Beebug Ltd

117 Hatfield Road
St Albans
Herts
AL1 4JS
Tel: 0727 40303
Fax: 0727 60263

HARD DISC COMPANION

RRP: £39.00 inc VAT (site licence available)
Minimum RAM requirement: 1Mb

The main feature of this package is a hard disc backup and restore utility. The backup facility allows you to produce a full backup onto floppy discs at regular intervals. Such a backup contains every file on the hard disc. In between such full backups, you can produce incremental backups containing only those files added since the last backup. Full backups, incremental backups or individual files can be restored at any time.

Also in this package is Spark, an archiving program used to create and maintain compressed file archives. Spark is entirely WIMP-based, with the contents of an archive displayed in a similar way to an ADFS directory.

The final utility is Find File, a very quick file search utility running from the desktop.

Hard Disc Companion can be installed and executed from hard disc or network, and is RISC OS compatible.

SCAVENGER SCANNER PACKAGES

A4 Scavenger A4 Sheet Feeder

RRP: Scavenger £199 inc VAT
A4 Scavenger £399 inc VAT
A4 Sheet Feeder £169 inc VAT
Minimum RAM requirement: 1Mb

With these two scanner packages you can scan and store graphics, pictures and text directly into the Archimedes system. Both packages consist of a high resolution scanner (400 DPI for Scavenger, 200 DPI for A4 Scavenger), and a half-width expansion card. The scanners can operate in monochrome mode suitable for black and white pictures, or dithered mode suitable for photographs. The A4 scanner can scan complete A4 pages of information, while the low cost half-width scanner scans 4" wide images. An optional sheet feeder is available for the A4 scanner.

The built-in WIMP software allows the scanned image to be saved as a sprite for transfer to other RISC OS applications, or printed using the standard printer drivers. The software provides a host of features for manipulating the scanned image.

A backplane must be fitted.

Brainsoft Ltd

106 Baker Street

London

W1M 1DF

Tel: 0836 648551

Fax: 071 486 2111

BRAINSOFT MULTIPLE I/O EXPANSION CARD

RRP: £117.00 exc VAT

Minimum RAM requirement 1Mb

The Brainsoft Multiple Input/Output Expansion card consists of a video digitiser, a sound digitiser and an RS232 serial interface to connect to other computers and modems. Also included on this board is an analogue joystick interface, capable of interfacing to third-party analogue joysticks which conform to Acorn specifications.

The ROM/RAM filing system provided on this card is capable of accessing ROMS up to 128Kbyte in size located in three ROM sockets on the board. By using the 6502 emulator (© Acorn Computers Limited) certain unprotected and 'legal' 6502 ROM-based programs available for the BBC microcomputer Models B, B+ and Master Computer Series may be executed.

A 32Kbyte ROM manager is fitted on the board in socket 0, and provides a series of high- and low-level commands for utilising the functions on the expansion card.

Cadsoft Computer Graphics Ltd

Upper Wield

Alresford

Hampshire

SO24 9RT

Tel: 0420 62784

The Cadsoft product described below is available as a complete system.

MAESTRO-PRESENTER

RRP: POA

This compact unit is designed for professional graphics presentations. The output from the system is a broadcast standard video picture suitable for display on a monitor or projection TV.

Up to 400 images can be stored and displayed with a variety of transitional effects to provide a dynamic presentation only previously achieved with video or with a large bank of slide projectors.

At the heart of the system is an Archimedes A400 series computer which drives a dedicated graphics computer capable of storing up to 12 frames of video. These can be cycled at frame rate and overlaid with other images.

Charts and text slides can be quickly created on the Maestro-Presenter while more complex images can be imported direct from Cadsoft's Studio 8 comprehensive graphics system or frame-grabbed from any standard RGB feed including other graphic systems.

Operated in presentation mode, Maestro-Presenter allows the speaker to change slides by pressing a button on the remote control unit initiating a simple cut to the next slide, a variety of transitional effects, or a smooth pan to another part of a large diagram.

In conference mode, an operator can use a comprehensive command screen independently of the output monitor. This displays the image name, time delay and effect together with three miniature colour pictures. These show the current image and preview the next two slides. The comprehensive editing facilities enable rapid adjustment to the presentation.

Maestro is fully compatible with software designed for the Archimedes range of computers. To allow such software to take advantage of the faster and higher resolution display output of the video computer, interface software can be offered on application. This is likely to be of particular interest to software developers working in the field of simulation.

Clares Micro Supplies

98 Middlewich Road

Rudheath

Northwich

Cheshire

CW9 7DA

Tel: 0606 48511

Fax: 0606 48512

ARTISAN 2

RRP: £59.95 (Upgrade Artisan to Artisan 2 £30.00)

Site licence: £300.00

Minimum RAM requirement: 1Mb (and RISC OS)

Artisan 2 is a full RISC OS art package. It has been developed from the original Artisan taking account of all the responses and requests Clares had from the many thousands of Artisan users. Artisan 2 retains the familiar icon interface and the manual contains a quick guide to enable users of the original Artisan to become familiar with the new features very quickly.

New features include:

- a configure option, which enables you to de-select any option in the program
- pattern generation with half or full drops, scaling, flipping etc, which is particularly useful in textile design.

Also included are graduated fills, rubber band functions in the zoom etc.

Artisan 2 comes with another application called !Spot which enables the production of colour separations either as process separations, which give the cyan, magenta, yellow and black components of the picture, or as spot colour separations which enable you to isolate each colour. The separations can be used in a number of ways such as silk screening, colour printing, etc.

Artisan 2 is hard disc and Econet compatible.

PROARTISAN

RRP: £169.95 inc VAT
Education price: £99.95 exc VAT
Site licence: £500.00
Minimum RAM requirement: 1Mb

ProArtisan is the successor to Clares' Artisan. It is not just a graphics package but is also a graphics manipulation package, which makes full use of 256 colours plus functions in mode 15 while retaining Artisan's original and successful features. ProArtisan provides many additional facilities such as:

- stepped or graduated fills, sprite fills, circular, vertical, or horizontal fills
- scaled sprites, sprites cut to irregular shapes, spray can
- font designer
- variable grid lock
- distortion of a sprite to fit any shape.

New printer dumps are also provided in mono and in colour.

The package also includes:

- extensive magic brush facilities
- variable blending of colours
- Bezier curves
- text editor with variable sizes
- font editor
- help facility.

ProArtisan is easy to use, providing a powerful graphics environment for a variety of situations from education to professional graphic studios.

ProArtisan can be installed on a hard disc.

KNOWLEDGE ORGANISER

RRP: £59.95
Upgrade ArcTFS to Knowledge Organiser: £40.00
Site licence: £300.00
Minimum RAM requirement: 1Mb (and RISC OS)

This is the much-enhanced version of ArcTFS from Texcellence. Clares have now taken over the marketing of this new version and in line with its enhanced capabilities, Clares have given it a new name that reflects its new abilities.

Knowledge Organiser is an ideal tool for research, revision, investigation or indeed any application which involves filing data that does not readily conform to the restraints of a normal database.

Data is entered as a text file. You then record its source together with any keywords in the text. To examine the database, you enter a keyword and the program finds all references containing the keyword. Knowledge Organiser is ideal for cross-referencing data.

Data can be typed in, imported from Graphic Writer, 1st Word Plus, any ASCII file or directly from the Cambridge Computer Z88 using the serial port. You can also import data downloaded from online databases such as Knowledge Index, Prestel, etc.

ARMADEUS SOUND SAMPLING SOFTWARE

RRP:
Site licence: £400.00 exc VAT
Minimum RAM requirement: 1Mb

Armadeus is an advanced RISC OS sound sampling program that is designed to work with most available sound samplers, including Clares' own Armadeus Sampler Board.

A sound sampling package consists of two main components, the hardware and the software. The hardware is a board, such as the Armadeus board, which fits into the Archimedes backplane. You can then plug external devices such as a microphone, hifi or CD player into the board. Sounds from these external devices can then be imported into the computer using the Armadeus software. This is called sampling.

Once the sound is in the computer memory you can use the software to perform various functions on the sound. For example, you can echo, move part of a sound to another point, add fade in and out, modify the sound, add looping points, etc. A looping point means that a marked section of the sound is played as many times as you choose. At the end of each block the sound loops back to the start of the block again.

Sound sampling has many uses. Standard uses include sampling sound for use in other computer programs, creating musical voices for use in music playing programs such as Maestro, providing sound for laying over home videos, voice analysis—and, most importantly, it is just great fun.

ARMADEUS SAMPLER BOARD

RRP: £149.95

Minimum RAM requirement: 1Mb + RISC OS and
Armadeus software (£79.95)

The Armadeus Sample Board is designed to work with the Armadeus software sampling package. It is a high quality 8-bit mono sampler. The hardware is controlled from within Armadeus and provides software-selectable gain (64 levels) and input selection.

The sampler board has facilities for both Microphone and Line inputs. The latter, in conjunction with the provisions for selecting gain, enables the sampler to accept input from tape players, CD players and amplifiers. A unique option on the Armadeus Board is the Line Out option which lets you output the sound directly into an external amplifier. This bypasses the Archimedes filtering and produces an incredibly clear sound—most people think it is a 16-bit sampler.

HP PAINTJET RISC OS DRIVER

RRP: £14.95 (or free when buying HP Paintjet from Clares)
Minimum RAM requirement: 1 Mb (and RISC OS)

This is a full RISC OS printer driver for the Hewlett Packard Paintjet printer. It performs in the same way as all other RISC OS printer drivers but provides colour output when used with programs that support colour.

Computer Concepts

Gaddesden Place

Hemel Hempstead

Hertfordshire

HP2 6EX

Tel: 0442 63933

Fax: 0442 231632

SCAN-LIGHT

RRP: Scan-Light (inc Scanner) £399.00 exc VAT
There is no site licence, but quantity discounts are available on 3 or more.
Minimum RAM requirement: 1Mb

Scan-Light consists of a Mitsubishi A4 width, 200 dpi hand-held scanner and interface, a Scan-Light expansion board with ROM software and a comprehensive user guide.

Scan-Light can be used to input graphics such as photographs and diagrams or printed text ranging from pages of books to signatures, into any Archimedes DTP, paint or draw program. An entire A4 page can be scanned into the computer, where it can be viewed in a window, re-scaled, pixel edited, printed to a variety of printers or saved to disc. Software is WIMP-based and easy to use.

Scan-Light enables you to handle graphics as easily as text—whether the intention is to produce professional complete documentation, build a document archive or start a picture library.

Hardware and software run under RISC OS.

A backplane is required. Refer also to the Scan-Light Junior entry.

SCAN-LIGHT JUNIOR

RRP: Scan-Light (inc scanner) £189.00 exc VAT
No site licences, but quantity discounts available on 3 or more.
Minimum RAM requirement: 1Mb

Scan-Light Junior consists of a half-width (up to) 400 dpi hand-held scanner and interface, a Scan-Light expansion board with ROM software and a comprehensive user guide.

Scan-Light Junior can be used to input graphics such as photographs and diagrams or printed text ranging from pages of books to signatures, into any Archimedes DTP, paint or draw program. The image can be scanned into the computer, where it can be viewed in a window, re-scaled, pixel edited, printed to a variety of printers or saved to disc. Software is WIMP-based and easy to use.

Scan-Light finally enables you to handle graphics as easily as text—whether the intention is to produce professional complete documentation, build a document archive or start a picture library.

Hardware and software run under RISC OS.

ROM/RAM EXPANSION BOARD with RAM filing system

RRP: £56.35 inc VAT (without battery)
RRP: £67.85 inc VAT (battery fitted)
No site licence available, but quantity discounts on 3 or more.
Minimum RAM requirement: 1Mb

This is an expansion board which can accept up to 7 ROMs or EPROMs (16K, 32K, 64K or 128K) and/or RAM chips (8K, 32K or 128K). RAM can be battery backed. A very fast full feature RAM filing system is also supported—up to 898K bytes can be plugged in and used to store files as if on disc and, if battery backup is fitted, these will remain intact when the computer is switched off. The card is designed fully to Acorn guidelines and protocols.

Computer Concepts ROM/RAM Expansion board comes with full fitting instructions (no soldering required) and a user manual. RAM is extra. This product is compatible with RISC OS, but to gain access via the desktop it requires the RFS module—which is available on disc from Computer Concepts.

A backplane is required with 300 series machines.

Cumana Ltd

The Pines Trading Estate

Broad Street

Guildford

Surrey

GU3 3BH

Tel: 0483 503121

Fax: 0483 503326

SCSI INTERFACE

BBC A3000 SCSI internal

RRP: £149.00 (exc VAT)

Archimedes SCSI Internal

RRP: £199.00 (exc VAT)

ARCHIMEDES INTERNAL SCSI HARD DISCS

Sizes from 40Mb to 105Mb

RRP: £410.00 to £710.00 (exc VAT)

ARCHIMEDES AND BBC A3000 EXTERNAL SCSI HARD DISCS

Sizes from 40Mb to 105Mb

RRP: £509.00 to £825.00 (exc VAT)

ARCHIMEDES AND BBC A3000 DISC EXTERNAL CARTRIDGE DRIVE

RRP: Single, 20Mb drive £699.00 (exc VAT)

RRP: Dual, 20Mb drives £1230.00 (exc VAT)

CARTRIDGE DRIVE MEDIA

RRP: 20Mb single cartridge £40.00 (exc VAT)

RRP: 20Mb triple cartridge £112.17 (exc VAT)

SCSI COMBINED SYSTEMS

Combined external, 40Mb hard disc plus 20Mb cartridge drive

RRP: £1085.00 (exc VAT)

Combined external, 80Mb hard disc plus 20Mb cartridge drive

RRP: £1320.00 (exc VAT)

Combined external, 105Mb hard disc plus 20Mb cartridge drive

RRP: £1375.00 (exc VAT)

ARCHIMEDES ST506 INTERNAL HARD DISCS

RRP: 20MB £225.22 (exc VAT)

RRP: 40MB £335.65 (exc VAT)

Expansion card extra if required.

ARCHIMEDES AND BBC A3000 EXTERNAL ST506 EXTERNAL HARD DISCS

RRP: 20Mb £329.57 (exc VAT)

RRP: 40Mb £442.61 (exc VAT)

Expansion card extra if required.

Foster Findlay Associates Ltd

148 West Road

Newcastle upon Tyne

NE4 9QB

Tel: 091 273 1111

Fax: 091 272 0676

C_IMAGES LIBRARY, ARCIMAGE2 & ARCIMDEMO

RRP: £500.00 (exc VAT)

A full package for image analysis and processing software libraries on the Wild Vision V10-Image processing system and the Archimedes computer.

C_Images

Image Processing and Analysis Library. The image analysis library comprises around 200 functions written in C to provide high-level programming for image processing and analysis, and to enable the writing of portable application programs. Hot-line help is available.

ArcImDemo

This is a demonstration program which runs automatically with descriptive text displayed on the Archimedes screen. An accompanying manual forms an easy-to-read, easy-to-understand introduction to image processing and image analysis.

ARCIMAGE2 & ARCIMDEMO

RRP: £325.00 (exc VAT)

ArcImage2 allows a range of Image processing operations, selected using icons. It also has extensive Image Analysis capabilities. Full documentation is provided and help is available on all menus, windows and icons.

ARCIMAGE1 & ARCIMDEMO

RRP: £215.00 (exc VAT)

As per ArcImage2, but offers image processing operations only.

Gnome Computers Ltd

25A Huntingdon Street

St Neots

Cambridge

PE19 1B6

Tel: 0480 406164

ARCHIMEDES TRANSPUTER BASEBOARD

RRP: £800.00 to £4785.00 (exc VAT)

The Archimedes Transputer Baseboard produced by Gnome Computers Ltd, provides a low cost means of utilising transputer technology on the Archimedes workstation.

Principal features of the board include:

- T4 or T8 transputer at up to 30MHz
- 1 to 8 Mbytes of dynamic memory
- 250 kbyte/sec host to transputer transfer rate
- Support software includes TDS and AF servers
- Runs TDS system 2-3 times faster than a mid-range PC

The Transputer Baseboard connects directly into the Archimedes computer's expansion bus. It houses an internal transputer with up to 8Mbyte of memory. An on-board link adaptor chip, mapped into the Archimedes computer's I/O address space, allows data to be exchanged with the transputer. A control register allows the transputer to be reset and analysed by the Archimedes computer or workstation.

To provide for further expansion, unused links on the transputer are brought out to a connector which also provides control ports to allow the board to control or be controlled by other boards designed to the Inmos standard.

The Transputer Baseboard can be programmed directly or can be used in conjunction with the TDS and AF server software provided by Gnome computers. The TDS and AF servers support program development in parallel high-level languages such as Occam, C, Pascal and Fortran.

ARCHIMEDES LINK ADAPTOR BOARD

RRP: POA

The Archimedes Link Adaptor board allows fast and efficient use of the Archimedes workstation as a development host for external transputer systems.

Principal features of the board include:

- 10 to 20 MHz link communication clock rate
- 250 Kbyte/sec host to link transfer rate
- Inmos standard interface to external transputer systems
- Support software includes TDS and AF servers
- Runs TDS system 2-3 times faster than a mid-range PC.

ARCHIMEDES TRAM MOTHERBOARD

RRP: POA

The Archimedes TRAM Motherboard allows the Archimedes computer to act as host to transputer systems based on Transputer Modules (TRAMs). Each motherboard houses up to 4 TRAMs and the Archimedes can accommodate up to four motherboards.

Principal features of the board include:

- Houses up to 4 TRAMs
- 250 Kbyte/sec host to TRAM transfer rate
- Conforms to Inmos motherboard architecture standard
- Support software includes TDS and AF servers
- Runs TDS system 2-3 times faster than a mid-range PC

ARM 3 UPGRADE

RRP: POA

A CPU upgrade for Archimedes 300 and 400 series machines and the R140. It runs at 30MHz, compared with the 8MHz for the ARM 2. It has on-board cache of 4K RAM which stores instructions and data which saves instructions being fetched from main memory, this reduces traffic on the data bus and so minimising delays. The effect of these features results in a substantial increase in performance for applications using higher screen modes.

MEMORY UPGRADE

RRP: POA

The 4-8 megabyte upgrade board allows Archimedes 440 and R140 computers to be upgraded to 8 megabytes. Archimedes 410 and 420 machines can also be upgraded, provided their on-board memory has been upgraded to 4 megabytes.

This upgrade consists of two boards, one of which plugs into the coprocessor slot of the expansion backplane. The second board plugs into the existing memory controller chip (MEMC) socket and connects to the other board by a ribbon cable.

The upgrade works with both RISC OS and RISC iX. Under RISC OS it increases the number of tasks which may be loaded and running. It is particularly useful under RISC iX where it can significantly reduce the amount of disc swapping which occurs with programs which require more than 4 megabytes of physical memory. Notable gains in performance are observed when running applications under the X Window System.

Image Store Ltd

Unit 10
Sky Business Park
Eversley Way
Egham
Surrey
TW20 8RF
Tel: 0784 71721
Fax: 0784 71097

DIGITAL AUDIO TAPE BACK-UP SYSTEM

RRP: POA

Digital Audio Tape Backup System offers a new way of backing up computer data. The Digital Audio Tape (DAT) unit can hold 2.3 Gigabytes of data on one inexpensive tape cartridge.

The DAT unit uses Helical Scan Technology (HST), which operates in a similar way to a video recorder. The tapes are high quality 8mm video tape and are widely available.

A single relocatable module provides extensive back-up and archiving commands using the CLI* commands, or the SWI interface for inclusion in programs and applications.

Irlam Instruments

133 London Road
Staines
Middlesex
TW18 4HN
Tel: 0784 451192

ISCAN

RRP: £679.00 exc VAT
Minimum RAM requirement: 1Mb

iScan consists of a scanning unit, expansion card, leads and software. The scanning unit has a precision motor-driven paper support mechanism which is more accurate than hand held scanners. iScan can handle documents from postage stamp size to A4 width. A full A4 page can be scanned in less than 20 seconds.

iScan images have 16 true grey levels and a resolution of 200 dots per inch (dpi), this is effectively equivalent to 800 dpi monochrome.

The software supplied is completely RISC OS compatible. Images are saved as sprite files which can be used with DTP, Paint, Draw and other RISC OS applications. Industry standard TIFF compressed files will also soon be supported.

IMAGE

RRP: £689.00

iImage is a 24-bit flatbed colour scanner. It scans postcard-sized originals at 200 dpi or other software-selectable resolutions.

Data is transferred to the computer via a serial interface and rendered into a 256-colour sprite using Acorn's ChangeFSI software. The resulting images can be used in DTP, Paint, Draw and other RISC OS applications that use sprites.

Katakana Ltd

Manhattan House
Bridge Road
Maidenhead
Berkshire
SL6 8DB
Tel: 0628 75641
Fax: 0628 35536

VIEWFRAME II+2

RRP: £1895.00 exc VAT
Minimum RAM requirement: 1Mb

The Viewframe II+2 is a high-resolution, liquid crystal display (LCD) panel that connects to the video port of your computer and, when placed on an overhead projector, allows projection of computer output onto a large viewing screen. Unlike static transparencies, the Viewframe II+2 electronic transparency, when connected to your computer, allows real-time changes during presentations, 'hands-on' classroom instruction of all types, and group participation in the preparation or analysis of spreadsheets or other presentation material.

As a visual aid it is particularly well suited for business meetings, sales presentations and group instruction. Features include:

- high contrast ratio for sharp, clear images
- advanced cooling system for trouble-free operation
- eight true shades of grey for beautiful graphics
- special cables allowing simultaneous viewing of the monitor and the projected image.

Viewframe II+2 works with both front and rear screen projection systems.

Lingenuity

PO Box 10

Halesworth

Suffolk

IP19 0DX

Tel: 098 685 477

COLOUR CONVERTER

RRP: £169.95 inc VAT

Minimum RAM requirement: 1Mb

The colour converter is a half-width expansion card designed to be used in conjunction with the Watford Video Digitiser. The expansion card will convert the Watford Video Digitiser signal from monochrome to colour. The resulting picture is then further enhanced with software to give a near television quality picture which can be saved as a sprite for further use.

ARCHIMEDES IMAGE MANAGER (AIM)

RRP: £9.00 inc VAT

Minimum RAM requirement: 1Mb

The Archimedes Image Manager is an exciting public domain package from Delft University allowing impressive contrast improvement of digitised pictures using software filters.

CHROMATEXT

RRP: £39.95 exc VAT

Minimum RAM requirement: 1Mb

Chromatext is a flexible caption generator for use with Wild Vision's Chroma 200 and Chroma 300 genlock and video overlay systems for the BBC A3000 and Archimedes system computers. It allows up to 35 pages of text in various colours, fonts and sizes to be prepared and stored for subsequent overlaying on video signals.

Features of Chromatext include:

- 15 different colours
- 7 different fonts available, with edge and drop shadow
- Variable size letters, and proportional spacing
- Different fonts and colours on one line
- Auto-centring of text
- Up to 35 pages, with 25 lines per page
- Different background and border colours
- Anti-aliasing

SCSI INTERFACE CARD

RRP: £149.00

Minimum RAM requirement: 1Mb

SCSI advantages:

- Faster data transfer
- Larger discs (ST506 up to 60Mb; SCSI at least 380Mb)
- One SCSI card can drive up to seven SCSI devices
- More than one SCSI card can be fitted to an Archimedes system
- Lower cost as SCSI interfaces are cheaper than alternatives
- Industry standard hardware interface for connection to hard drives, tapestreamers, CD ROMs, laser printers, scanners, etc.

Forthcoming Product:

- The Image Works

Millipede Electronics Graphics

Cambridge House

Hargrave

Nr Bury St Edmunds

Suffolk

IP29 5HS

Tel: 0284 850594

Fax: 0284 850351

PRISMA-3

RRP: £3250.00

Minimum RAM requirement: 1Mb

Prisma-3 is a high-performance computer graphics interface unit designed for professional applications in research, graphic design, video and television. A resolution of 1536 x 574 pixels is supported with a range of 256 colours from a palette of almost 17 million colours. Image capture from live video and broadcast genlock are standard. A high level of software support is provided with emulation of RISC OS graphics functions, with many additions to cover facilities such as real-time animation.

A backplane must be fitted in Archimedes 300 series machines.

Minerva Software

Minerva House
Baring Crescent
Exeter
Devon
EX1 1TL
Tel: 0392 437756
Fax: 0392 421762

ATELIER

RRP: £99.95 inc VAT
Minimum RAM requirement: 1Mb

Atelier is a full art package operating in 256 × 640 resolution in 256 colours. It is designed for the more professional user or keen amateur. All the usual plotting commands are available such as circles, ellipses, etc. but the package really excels with more advanced features such as designer brushes, painting with patterns, etc. Pens may be used to draw behind or in front of objects using priority colouring. The package is so advanced that you may draw an object and wrap it around a wine glass.

The system may also be used as an extremely advanced sprite editor and examples of its capabilities may be seen in the popular Orion game. Once a picture is drawn it may also be mapped onto an irregular surface with full perspective shading.

Atelier uses a window environment with zoom facility for fine detail editing and may also keep a small zoom window on the screen for unique pinpoint accuracy when placing objects, etc.

Various colour selection techniques are available for either direct colour selection or paint mixing, etc. Image distortion is available in many ways allowing areas to be mapped even onto a shape such as a bow tie. Objects may be rotated.

When expanding areas, full pixel distortion is available and contractions involve 256 colour anti-aliasing techniques. Objects may be picked up and the computer can automatically place a mask so that the surrounding area does not destroy the destination area.

Anti-aliased fonts are also supported and there are utilities to convert to other modes for inclusion in your own programs, 1st Word Plus, etc. A slide show facility includes TV style picture fades. Graphs and charts can be imported from GammaPlot. An animator routine is also included.

Musbury Consultants

8 Fairhill
Helmshore
Rossendale
Lancashire
BB4 4JX
Tel: 0706 216701

COLOUR DUMPS INTEGRIX

RRP: £30.00 inc VAT
Minimum RAM requirement: 1Mb

The program uses an Integrex 132 ink jet printer and works with all modes including the high resolution modes that require a multi-scan monitor. They will reproduce any colour from the full palette of 4096 possible colours.

Three types of dumps can be used: the standard dump which produces a printout 7.6" × 6.05"; 9.45" × 7.6"; 19" × 15.2"—a picture this size is printed in two long horizontal strips. It is possible to have all three sizes of dump module loaded at the same time.

COLOUR DUMPS CANON

RRP: £30.00 inc VAT
Minimum RAM requirement: 1Mb

This produces a screen dump of 7.6" by 6.05". The dump is in the form of a relocatable module in the file called SMALL.D. When this is installed using the RMLoad command any screen may be dumped on the printer by issuing a *COL_DUMP command either from within the program or from the keyboard. Of course, if you issue it from the keyboard, you will get that command on your printout. All the dumps reset the origin of the graphics coordinate system and make the graphics window the full size of the screen, so the whole screen is output.

STAR LC10 COLOUR DUMPS

RRP: £30.00 inc VAT
Minimum RAM requirement: 1Mb

This is a suite of three relocatable modules to enable different sizes of colour screen dumps to be produced on the Star LC10 colour printer. They are 7.6" × 6", 9.5" × 7.6" and 19" × 15.2". In addition there is a desktop icon where sprite files can be dropped to allow screendumping from the desktop. Colours are dithered using an error distribution technique to allow the printer to attempt to render any colour seen on the screen.

GREY DUMPS

RRP: £15.00 inc VAT
Minimum RAM requirement: 1Mb

This package is a relocatable module that allows the production of multi-toned monochrome screen dumps. The tones are printed in the same way as you would see them on a black and white monitor. It is suitable for all types of Epson printers and compatibles. Printouts are in three possible sizes: 9.45" x 7.6", 19" x 15.2" and 7.6" x 6.05". The largest size is suitable for a poster; it is printed in two long strips.

BOOK BINDER

RRP: £55.00 inc VAT
Network licence: £140.00 inc VAT
Minimum RAM requirement: 1Mb

This program allows you to create a fully desktop-compatible, multitasking, interactive text. All pages are created using the familiar Draw application and Book Binder stitches these together to make an interactive book. This can be used for making graphical databases, multiple choice quizzes or interactive stories with an adventure-like flavour. Book Binder works solely with icons: there is no code to write! Finished books may be freely copied and distributed or sold (no royalty to pay).

NEXT Technology

Divec House
St John's Innovation Centre
Cambridge
CB4 4WS
Tel: 0223 420222
Fax: 0223 420015

CD-ROM DRIVE

RRP: £995.00 exc VAT

The CD-ROM drive can store up to 550Mb of data, offering a highly cost-effective and powerful stand-alone or networked multimedia database. It has access times up to twice as fast as competitive systems and its Compact Disc Filing System (CDFS) software will read information from any standard discs conforming to ISO 9660 or High Sierra specifications as well as digital audio CDs. Designed-in compatibility with future trends, including CD-ROM XA, ensures longevity.

CDFS is compatible with Econet, so that a single Archimedes BBC A3000 based multimedia system can be networked to any number of Acorn computers to provide access to a central CD-ROM resource bank. The CD-ROM interfaces to the computer via a CD Interface Card which allows 20 or more CD players to be daisy-chained to a single card. This increases the potential of the system as a central information resource, with many different discs available simultaneously.

Discs are loaded in a protective cartridge to prevent damage, and the eject button can be disabled to prevent unauthorised removal.

Oak Computers

Cross Park House
Low Green
Rawdon
Leeds
LS19 6HA
Tel: 0532 502615
Fax: 0532 506868

PARAMETRIC DESIGN TOOL (PDT)

RRP: £359.00 exc VAT
Minimum RAM requirement: 1Mb

The Oak Parametric Design Tool (PDT) is a 'state-of-the-art' CAD package designed to exploit fully the graphics power and high processing speed of Archimedes computers.

PDT represents a major advance in CAD technology, and is the world's first fully interactive, fully parametric 2D CAD package. Where traditional CAD systems store the coordinates of end points of lines, centres of circles, etc, PDT stores the relationships between the various entities within the drawing, eg if a line was defined as being tangential to two circles, and subsequently one of the circles was moved or had its diameter changed, PDT would automatically move the line so that it remained tangential to both circles. On a coordinate-based CAD system, the line would remain in its original position.

The user may zoom out and pan around the drawing with any practical magnification. Up to ten view points may be stored and instantly recalled. New features in release 2 will include automatic animation generation, user-defined functions and comprehensive enquiry facilities.

SCSI INTERFACE

SCSIARC (300/400 series)
SCSI3000 (BBC A3000)

RRP: £199.00 exc VAT
Minimum RAM requirement: 1Mb

Oak's SCSI Interface is a single-width expansion card allowing the connection of up to seven SCSI devices, four of which can be hard discs. Each hard disc can be up to 512Mb capacity. Other devices which can be attached include tape streamers, CD ROMs and scanners. Software on the expansion card provides a filing system and a desktop filer. Extremely high data transfer rates are achieved by transferring data to memory 16 bits at a time. The card is supplied with a comprehensive formatting and utility program, all necessary mounting hardware and an easy-to-follow instruction manual.

SCSI HARD DISC DRIVES

Internal drives HDINARCXXSC

(XX represents capacity in Mb)

RRP: from £375.00 (20Mb) to £2065.00 (180Mb) exc VAT

External drives HDEXARCXXSC

(XX represents capacity in Mb)

RRP: from £535.00 (20Mb) to £2845.00 (330Mb) exc VAT

Additional external drives

RRP: from £435.00 (20Mb) to £2745.00 (330Mb) exc VAT

Minimum RAM requirement: 1Mb

Internal and external drives are supplied complete with controller card and all necessary mounting hardware and cables. Additional external drives do not require an additional controller card. External drives are housed in sturdy metal cases colour-matched to the Archimedes computer and have their own power supply and fan. External drives are also suitable for the BBC A3000—please specify when ordering. SCSI hard discs can work in tandem with ADFS hard discs and are compatible with the PC emulator. There are two SCSI connectors on the back of external drives for daisy chaining drives together. Internal drives are available in the following capacities: 20Mb, 45Mb, 70Mb, 135Mb and 180Mb. External drives are available in 20Mb, 45Mb, 70Mb, 90Mb, 135Mb, 170Mb and 330Mb capacities.

SCSI TAPE STREAMERS

TSEXARCXXSC (where XX is capacity of tape)

RRP: £999.95 (60Mb) £1254.00 (150Mb) exc VAT

Minimum RAM requirement: 1Mb

A SCSI Tape Streamer is the ideal device for backing up data from hard discs (ADFS, SCIFS), networks, or any other filing system. OAK tape streamers are housed in a sturdy metal case colour-matched to the Archimedes system, and have their own power supply and fan. The tape streamers are supplied with desktop software to back-up and restore files by selecting the files from a window on a directory by directory basis and then specifying the search criteria. The list of selected files can be saved for later use (eg for regularly backing up the same set of files). Files can be restored on a file by file basis. If required, a controller card is also available for an additional £100.

MAGNETO-OPTICAL DRIVE

MAGOPT560 560Mb

RRP: £4800.00 exc VAT

MAGOPTDISC (Additional data cartridge)

RRP: £300.00 exc VAT

Oak Magneto-Optical (MO) drives store 560Mb of data (formatted) on removable ISO standard 5.25" MO media. The drives connect to the Oak SCSI card and are random access devices behaving as hard discs under the SCSI filing system. Data may be written, read and erased at will. The data cartridges are removable, looking similar to CD ROM cartridges, and are extremely rugged. The media is reversible offering two independent storage surfaces each of 280Mb formatted capacity.

Data transfer rates of approx. 300Kbytes/sec (read) and 100Kbytes/sec (write) and an average access time of 66 msecs, these drives are suited to use where large amounts of data is needed to be stored, but full random access is required (eg image capture/processing). Data reliability is impressive with an error of less than one bit in 10^{12} and a media life in excess of 12 years.

Back-up, if required, can be to the Oak Giga-byte Tape streamer.

GIGA-BYTE TAPE STREAMER

TSGIGA (Incl card) 1Gb

RRP: £3999.00 exc VAT

TAPE1000 cassette

RRP: £35.00 exc VAT

The drives use R-DST technology (similar to R-DAT as used in Digital Audio Tape DAT recorders). Storing 1Gb of data on a single DAT cassette, these SCSI devices provide exceptionally reliable bulk data storage with low media cost.

Data may be backed up from any filing system. Data is stored via a tree viewer of the directory structure, and from 'filer' type directory viewers simply by dragging the chosen files or directories to the appropriate destination.

Front panel controls on the tape drive and a LCD display allow access to facilities such as tape formatting, etc, which may be performed off-line, ie without tying up the computer.

Pineapple Software

39 Brownlea Gardens

Seven Kings

Ilford

Essex

IG3 9NL

Tel : 081 599 1476

REAL TIME COLOUR VIDEO DIGITISER

RRP: Standard £285.00

RRP: Extended £315.00

Minimum RAM requirement: 1Mb

The hardware consists of a double expansion card which fits internally to both 300 and 400 series Archimedes computer (can be used with a BBC A3000 if fitted into an external box with 12v power supply; such a box will shortly be available from Pineapple). It comprises a PAL colour decoder, 192K (Standard) or 256K (Extended) of memory and various control and interface circuitry. The PAL decoder converts the input from TV or video recorder into separate red, green and blue signals. These are then converted to digital form and stored in the expansion card RAM in a format giving a possible 512 pixels across the picture and 256 rows vertically. The video signal in RAM is continually changing at the same

rate as the incoming video until the computer gives a 'freeze' signal. At this point the last picture in the RAM is frozen and can be transferred to the computer screen in many different ways depending on which software commands are issued.

The software to drive the expansion card is supplied on disc in the form of a relocatable module. An 80 page handbook provides full details of how to implement the commands even for the inexperienced programmer.

PRES Ltd

P O Box 319

Lightwater

Guildford

Surrey

GU18 5PW

Tel: 0276 72046

Fax: 0276 51427

MONITOR PLINTH

RRP: £24.95 exc VAT

The A3K1 is a carefully thought-out monitor plinth, which allows the BBC A3000 to be moved freely back and forth making the most of limited desk space. In response to feedback from initial users, PRES have also incorporated a way of preventing accidental access to the reset switch. Where security matters, it is also possible to fix the plinth to a desk.

SYSTEM HOUSING

RRP: POA

The A3K2 is a styled housing providing the means for adding up to 2 additional floppy drives (2 x 3.5" or 1 x 3.5" and 1 x 5.25"), and a Winchester hard disc drive. All these can be added without having separate boxes hanging from the computer on ribbon cables. A3K3 is supplied with a high specification power supply with all the necessary sockets for peripherals.

EXPANSION CARD HOUSING

RRP: £14.95 exc VAT

PRES have allowed for adding standard expansion cards on the rear of the machine. This is done by means of a casing which attaches and is fixed to the BBC A3000 case providing full protection for the expansion card.

The case is expandable to take a backplane and expansion board which can accommodate four mini cards. PRES will release the specification for the mini cards to any third party wishing to have their products on BBC A3000. PRES will be producing mini cards and current plans include: high spec analogue to digital converter, user ROM and battery-backed RAM, SCSI, MIDI and second VDU.

DISC BUFFER BOARD

RRP: £48.95 exc VAT

BBC A3000 only

An internal upgrade for the BBC A3000 is essential for those wishing to add a second or third disc drive (eg a 5.25" drive). It is supplied with software support for 40/80 stepping and 'drivelatch' (which provides the ability to assign logical drive numbers to physical drives). Maintaining the PRES policy of maximum upgrade, a key feature is that the pin-outs of the expansion are continued so that other cards can be fitted as well!

HARD DISC UPGRADE

RRP: £429.50 exc VAT

BBC A3000 only

This hard disc drive is fitted into the PRES system housing (A3K2). It is technically the same as Acorn's own hard disc system for the Archimedes 300 Series. The upgrade is supplied with a 20Mb drive unit, ST506 hard disc expansion card and all the necessary cabling and fixings (requires A3K3). This item is recommended as a dealer fitted upgrade.

3.5" DISC UPGRADE

RRP: £75.00 exc VAT

BBC A3000 only

For those who want the benefit of an additional 3.5" drive on their system, which could be for particular software applications or simply the added security of easier back-ups, this 3.5" Disc Upgrade is supplied as a colour-keyed drive with the necessary fixings for A3K2, providing a much neater solution than metal boxes on the end of ribbon cables.

5.25" DISC UPGRADE

RRP: £99.95 exc VAT

BBC A3000 only

While 3.5" discs are generally accepted as the better format, there are times when having a 5.25" drive on the system can prove invaluable. Many users will have software on 5.25" discs that they will either want to read into RISC OS applications or 8-bit software that needs to be run in 65Host. This upgrade (like A3K8) fits into A3K2. Note that the Disc Buffer (A3K6) should be fitted when a 5.25" drive is connected to A3000.

The Soft Option Ltd

Elmtree Road
Teddington
Middlesex
TW11 8TD
Tel: 081 977 0272
Fax: 081 943 3377

ARCHILOCK

RRP: £495.00 exc VAT (cable set £75.00 exc VAT)
Complete IV Systems available from £2975.00 exc VAT
Minimum RAM requirement: 1Mb

Archilock is a double-width video genlock and overlay expansion card providing all the facilities needed to use the Archimedes computer in an interactive video system. It decodes the PAL output from a video disc or video tape player into an RGB signal and mixes or overlays this with the RGB graphics from the Archimedes system. The resulting picture can be displayed on the normal Archimedes computer colour monitor.

Special facilities include the ability to fade the picture from both the disc player and the Archimedes computer as well as to control picture brightness and contrast.

Archilock operates with RISC OS and can be used on machines on an Econet network.

Solitaire Ltd

6 The Quay
St Ives
Huntingdon
Cambs
PE17 4AR
Tel: 0480 67945
Fax: 0480 496442

EPSON PORTABLE COLOUR VIDEO PROJECTOR

RRP: £3250.00 exc VAT
Carrying case: £49.95 exc VAT
Dust cover: £9.00 exc VAT
Replacement projector lamp: £24.96 exc VAT
Interface cables: £45.00 exc VAT each (cables are available, for interface to BBC Model B/Master 128/Master Compact, and Archimedes series/BBC A3000 computers)

The Epson video projector is a fully portable projector that can be connected to BBC, Master and Archimedes series computers to incorporate screen shots and screen activity as part of presentations. It displays images up to 12" across (diagonal). It can project screen images directly, with no need for a video monitor. The LCD image technique ensures a clear sharp image immediately, with minimal set-up time.

With Archimedes 300 series computers, a backplane is also required.

Spacetech

21 West Wools
Portland
Dorset
DT5 2EA
Tel: 0305 822753

SPACETECH WEATHER SATELLITE EXPANSION CARD EVALUATION DISC

RRP: £5.00 refundable inc VAT
Minimum RAM requirement: 1Mb

The disc shows a time-lapse, animated sequence of weather pictures captured using the Spacetech weather satellite expansion card.

This product can be installed and executed from a hard disc and from Econet.

SPACETECH WEATHER SATELLITE EXPANSION CARD

RRP: £256.52 exc VAT
Minimum RAM requirement: 1Mb

The Spacetech Weather Satellite is an expansion card with software for the decoding and display of weather satellite image data. Features include smooth animation of weather systems, colour image processing, 84-level grey scale and multi-image buffer. State-of-the-art DSP techniques are used to produce the best possible image quality.

SPACETECH VIDEO TO GREYSCALE ADAPTOR

RRP: £69.00 exc VAT
Minimum RAM requirement: 1Mb

This device, when connected between an Archimedes computer and any analogue RGB monitor, allows you to switch easily between colour and smooth grey scales in 'paper white' clarity. All screen modes can be used including multi-scan modes. For example, using this device with an appropriate framestore and software, a 640x512x84 grey level display is achieved. Useful for all video applications.

Tap Consortium

expLAN

34 Drake Gardens

Tavistock

Devon

PL19 9AT

Tel: 0822 613868

ARCOL

RRP: £50.00 exc VAT

Site licence: £250.00

Minimum RAM requirement: 1Mb

Arcol is a 256-colour artistic painting package running in Mode 13 with square pixels. It is fully networkable via Econet. The separate elements of the package—pictures, sprites, patterns, fonts, etc—can each be held on different filing systems and drives, including RAM FS and hard disc, allowing maximum flexibility.

Arcol features user-defined brushes, 16-colour sub-palettes for colour cycling, auto selection of colour spreads for smooth shading effects, sophisticated sprite handling with resizing and reshaping, pattern editor, font editor, user-adjustable alignment grid, zoom $\times 2$ to $\times 20$, text import, recolouring, shading, shade fills and colour wash effects. A screen marker allows reliable referencing for perspectives.

Pictures can be up to two screens deep giving A4 output. Printing is via Epson-compatible monochrome or Integrex colour printers either locally or on network. Colour separation printouts for printing via colour offset process or screen printing are also possible.

Arcol operates under RISC OS. Saved sprites and pictures can be printed via RISC OS drivers.

Technomatic Ltd

Techno House

468 Church Lane

London

NW9 8TQ

Tel: 081 205 9558

Fax: 081 205 0190

TECHNOSCAN

RRP: (with interface card and manual) £149.00 exc VAT

Minimum RAM requirement: 1Mb

technoSCAN is a versatile 4" hand-held scanner for the Archimedes range offering four monochrome resolutions (100, 200, 300 and 400 dpi) as well as having four different modes of operation to select grey scaled or monochrome images.

The software is fully multi-tasking and utilises the desktop environment for easy incorporation of scanned images into RISC OS compatible DTP, word processing, art or drawing packages. Software features include visual rescaling of axes, flips, colour tinting, cropping, on-screen help, etc. Scanned images can be saved as sprites or dragged into other applications.

TECHNOSCAN A4

RRP: £499.00 exc VAT

Minimum RAM requirement: 1Mb

technoSCAN A4 is an A4 capacity scanner which allows resolutions of 200 and 300 dpi and grey level patterning to represent coloured images. Paper up to A4 width, and almost any length, is moved smoothly past the scanning head in about 30 seconds. The area to be scanned can be chosen interactively on-screen to reduce the memory required for the scanned image. The image can be cropped, scrolled and zoomed up and down. 1 Mbyte of free RAM is required to scan a full A4 page. Scanned images can be saved as sprites or dragged into other applications.

TECHNOHD CONTROLLER FOR ARCHIMEDES 300 SERIES & BBC A3000

RRP: £169.00 exc VAT for Archimedes 300 Series

RRP: £189.00 exc VAT for BBC A3000

Minimum RAM requirement: 1Mb

This Winchester controller card provides a standard ST506 interface for the Archimedes 300 Series which allows connection of up to two hard discs. A backplane is required. A cased version will be available for the BBC A3000 to connect to the 64-way expansion connector.

AEDA ARCHIMEDES EXTERNAL DRIVE ADAPTOR

RRP: £30.00 exc VAT for 300/400 Series

RRP: £30.00 exc VAT for BBC A3000

Minimum RAM requirement: 1Mb

The AEDA Archimedes external drive adapter allows up to three 3.5" or 5.25" external drives in combination. Professionally designed for easy installation and reliable operation, AEDA is fully buffered and provides link options to allow drive status to be monitored. A rear panel mounted switch allows either internal or external drive to be selected as boot drive.

GENIUS DIGITISING TABLET

RRP: £259.00 exc VAT

Optional two button stylus: £35.00 exc VAT

Minimum RAM requirement: 1Mb

The latest model of the Genius GT1212A PC Tablet adapted for use with Archimedes computers offers a resolution of 1000 lines/inch over a 12" x 12" working area and connects through the serial port of the computer. The tablet is supplied with a four button puck and software configured as a module to operate within the RISC OS desktop environment. The tablet can virtually take over all the functions of a mouse, so simplifying the use of graphics packages.

Timestep Weather Systems Ltd

Wickhambrook

Newmarket

Suffolk

CB8 8QA

Tel: 0440 820040

Fax: 0440 820281

Telex: 817015TIMEST G

LANDSAT IMAGE PROCESSING

RRP: £99.95 exc VAT

Minimum RAM requirement: 1Mb

This comprehensive package comes complete with three colour manuals, six discs containing 20 images and an easy-to-use, full-featured Image Processor. Now students can look closely at land data and manipulate the different sensor bands transmitted by the Landsat. Each image has been taken in four separately displayable spectrum bands at 256 levels. The screen resolution of 256 x 256 pixels allows these images to be shown in full and manipulated with all the standard image processing functions.

Investigation of land use, crop rotation, old paths, underwater features, plant growth, urban development and temperature details are just a few of the projects possible. A selection of popular field study areas is included and further images are available at low cost. For extra interest a set of images of Chernobyl three days after the reactor fire is provided.

Images taken with the Timestep Weather Satellite system can be imported into this powerful package. The three manuals provided have been written by teachers for teachers and combine curriculum material with activity modules and course notes. Help cards and 39 colour images make this an unusually well-documented package.

TIMESTEP WEATHER SATELLITE SYSTEM

RRP: As prices are changing, please write or phone for an up-to-date low price

Minimum RAM requirement: 1Mb

The Timestep Weather Satellite System brings cost-effective high resolution images into the classroom. Pictures of the Earth's surface come in live as often as every four minutes. Europe is covered twice an hour. North and South American pictures are sent several times a day. Image analysis and interpretation are not only aided by the Archimedes screen resolution but especially by the storage of the maximum satellite resolution storage of 800 x 800 pixels and 256 levels. Comprehensive image processing to a level not usually offered can be performed by utilising the Image Processor in the Landsat package that Timestep supplies.

The animation of images is no mere gimmick. The atmosphere is in constant motion and most meaningful information is drawn from observing its dynamic progress. Animation, once selected, is completely automatic; no operator intervention is required at all at any time. No fewer than 20 non-compressed images are shown; after the 20th, the earliest is automatically discarded as a new one is received. Existing users of the Timestep BBC B system are offered a low cost upgrade path.

A backplane is required in Archimedes 300 series machines.

Watford Electronics

250 High Street

Watford

Hertfordshire

WD1 2AN

Tel: 0923 37774/243939

Fax: 081 950 8989

ARCHIMEDES HAND-HELD SCANNER

RRP: £149.00 exc VAT

Minimum RAM requirement: 1Mb

Archimedes Hand-Held Scanner is a most valuable addition to any desktop publishing system. The scanner is capable of scanning up to an amazing 400 dots per inch (dpi). The scanner area is 4" wide, and the height is only limited by the maximum amount of memory available. The dot resolution may be switched to 100, 200, 300 or the maximum 400 dpi. One of four operating modes may be selected offering either pure monochrome scanning, or one of three grey level modes. The grey level modes use differently sized dither patterns to represent up to 16 shades of grey. There is also a dial to allow the brightness to be adjusted over a wide range, in order to optimise the quality for any specific image. The scanner interface is a standard, single-width, expansion card which plugs into the Archimedes computer's backplane.

Full use is made of the windowing and the multi-tasking facilities of RISC OS. The software is supplied in a 64Kbyte ROM located on the interface board. The scanner appears as a small icon on the desktop icon bar, and the software is retrieved from the ROM simply by clicking on that icon. As you scan a page, the image appears in the scanning window on the screen, scrolling up in real time.

Archimedes 300 series computers require a backplane.

ARCHIMEDES REAL-TIME DIGITISER

RRP: £249.00 exc VAT
Minimum RAM requirement: 1Mb

This product is a hardware expansion card add-on which will allow video images from a camera, video recorder or other video source to be captured and displayed on the computer's screen. Pictures may then be scaled, magnified, rotated etc., saved to disc, printed out or used by other applications such as desktop publishing and drawing systems, inspection and image analysis software etc.

ARCHIMEDES GRAPHICS TABLET

RRP: £259.00 exc VAT
Price includes tablet, leads and software
Minimum RAM requirement: 1Mb

The Archimedes Graphic Tablet offers users a low cost graphpad. The graphpad offers performance and accuracy and has the useful addition of a liftable cover, which can hold tracing material or menu templates securely.

The software, which is in the form of a relocatable module (RM), intercepts the system calls which control the mouse, and so allows virtually all mouse-based Archimedes software to be controlled using the tablet without any modification. The only exceptions are programs which use the serial port, as the tablet is physically connected to this port itself.

The software allows the user to define how much of the tablet's 12" x 12" working area to use, allowing very fine control when drawing free-hand or tracing from a variety of differently sized drawings etc.

ARCHIMEDES 5.25"/3.5" DISC DRIVE INTERFACE

RRP: £21.00 exc VAT
Minimum RAM requirement: 1Mb

With this interface it is possible to connect almost any single or double 5.25" or 3.5" disc drive with its own power supply to any Archimedes system. No soldering is involved. The interface is supplied complete with the necessary lead. An expansion plate is also available to mount in the back of the Archimedes computer. This allows the external drive to be connected and removed easily without the need to take off the lid. A switch is also provided to allow the physical drive numbers of the internal and external drives to be swapped. This expansion plate is available at £19.00 plus VAT.

Wild Vision

15 Witney Way
Boldon Business Park
Boldon Colliery
Tyne and Wear
NE35 9PE
Tel: 091 281 8481

CHROMA 200/300 SERIES

RRP: Chroma 320 £155.00 exc VAT
Chroma 335 £295.00 exc VAT
Chroma 345 £395.00 exc VAT
Chroma 220 £155.00 exc VAT
Chroma 235 £199.00 exc VAT
Chroma 250 £355.00 exc VAT
Minimum RAM requirement: 1Mb

The Chroma 200/300 series is a range of video overlay and genlock systems. They enable captions and text to be added to video pictures from a camera or VCR. They do this by mixing the computer's graphics output with a video signal. Any graphics or text generated by the computer may be superimposed in full colour on a video signal.

The Chroma 200/300 functions as follows:

- 1 The computer's video output is synchronised (genlocked) to an external PAL video signal.
- 2 The video output from the computer is encoded from RGB to a PAL composite colour video signal.
- 3 The PAL encoded computer output is overlaid onto the external PAL video signal.

Applications include:

- 1 Video recordings: providing captions, text and graphics. Any computer generated graphics can be overlaid in colour on a colour video signal from a camera or VCR.
- 2 Scientific and industrial video: overlaying additional information in real time whilst making video recordings, eg displaying information such as time, variations in ambient conditions, etc.
- 3 Interactive video: overlaying computer generated information on the output of a video disc player.

The Chroma 200/300 contains all the circuitry to perform line and field lock of the computer's video output. It also locks the colour subcarrier of its on-board PAL encoder to the colour burst of the incoming video signal. The PAL encoder provides wide-band full fidelity colour encoding. If no external video signal is present, the Chroma 200/300 switches into local mode and continues to provide all the timing signals needed by the computer from an on-board crystal oscillator.

The Chroma 200/300 has a very stable genlock circuit with a fast response time, allowing it to lock to any reasonably stable PAL/CCIR standard video signal. Thus the unit will lock onto the output of most domestic video cassette recorders, though occasional disturbances may be caused by tape drop-out and excessive timebase errors. High intensity colours are overlaid whilst lower intensities are transparent. For the more advanced user, facilities are available to program any colour as visible or transparent.

The Archimedes version of the Chroma 300 is a simple plug-in expansion card. All video leads plug into the mounting plate. An Acorn backplane must be installed in the Archimedes system to accept the Chroma 300 series. The BBC A3000 version is the Chroma 200 series, and this fits inside the BBC A3000. It must be fitted by an Acorn dealer.

There are six variants available:

For use with the Archimedes 300 / 400:

- Chroma 320 Genlock only (no video mixing or overlay facilities).
- Chroma 335 Standard version. Combined genlock, encoder and keyer.
- Chroma 345 Enhanced version of 335 with improved chroma signal processing.

For use with the BBC A3000:

- Chroma 220 Genlock only
- Chroma 235 Video overlay and genlock. Full colour.
- Chroma 250 Video overlay and genlock. Enhanced colour performance. RGB monitor outlet.

ADC1208 ANALOGUE TO DIGITAL CONVERTER CARD

RRP: £495.00 exc VAT
Minimum RAM requirement: 1Mb

The Wild Vision ADC1208 is a high performance eight channel analogue input system designed to match the high speed of the Archimedes computer. It is used to convert analogue signals from a source external to the computer to sampled digital format so that they can be stored and processed by the computer.

Digital input/output is also provided which allows the unit to communicate with other computers or digitally controlled devices. The facility enables the analogue to digital conversion to be synchronised to events external to the host computer. The device is fully programmable with software selection of input channel, sampling rate and digital I/O mode. The card can be controlled and accessed by any computer language.

Two programmable 16-bit timers are provided which may be used to set the sampling rate of the Analogue to Digital conversions. Sampling may be initiated by the host computer or by interrupt request from the unit. The ADC1208 has been designed to be compatible with the sound facilities of the Archimedes computer and is able to exploit these fully.

The ADC1208 is in the form of a half-width expansion card that simply plugs into any Archimedes system fitted with an expansion card backplane. No adjustments to the computer are required.

The ADC1208 provides the Archimedes computer with the facility to measure, and subsequently process, up to eight analogue signals. The high sampling speeds and multi-channel capability, coupled with the computing facilities of the Archimedes series machines, makes the ADC1208 ideal for use in a wide variety of scientific, medical, industrial and signal processing applications.

The ADC1208 has a memory mapped architecture, which means that control of the unit is easily accomplished by read/write operations. Thus analogue sampling is simply performed by reading a specific memory location. This hardware structure means that the ADC1208 can be incorporated in any program where information from devices external to the computer is required.

The software routines are provided as extensions to the operating system as SWI commands and star commands and are provided in an on-board module for incorporation into user's programs.

HAWK V9-COLOUR IMAGE DIGITISER

RRP: £339.00 (exc VAT)
Minimum RAM requirement: 1Mb

The Hawk V9 is a full width expansion card that fits into the Archimedes computer via the backplane. The Fastgrab software for the digitiser is supplied on disc as a desktop application. It enables you to grab a video source, and apply ChangeFSI which is an image manipulation utility written by Roger Wilson of Acorn Computers Ltd and supplied with Hawk V9 under licence by Wild Vision.

The software runs in any RISC OS mode. The first option on the menu, denoted by a camera icon, is the grab. When the desired picture is shown in the 'viewing window', clicking on this will freeze the picture and put it in a 'display window'. Both the view and display windows can be altered in size from 128 x 64 pixels to 512 x 256 pixels.

HAWK V10-IMAGE PROCESSING SYSTEM

RRP: Hawk V10 — 2 frames £650.00 exc VAT
Hawk V10 — 4 frames £795.00 exc VAT
Minimum RAM requirement: 1Mb

The Hawk V10 is an image processing system designed to match the high speed of the Archimedes computer. Image processing requires the rapid handling of considerable amounts of data. The Hawk V10 and the Archimedes system together form an extremely efficient image processing system.

The Hawk V10 is an expansion card that plugs into the Archimedes computer. It captures, stores and displays a video image in real time independently of the host computer, without software overhead, thus leaving the computer free for image processing. V10 has an efficient interface to the computer with hardware-assisted individual pixel addressing facilities. This makes the system particularly efficient for performing convolutions and other near-neighbour processing functions.

Up to 4 separate images each 256 × 256 pixels by 8 bits (256 grey levels) can be captured and stored. Sequential video images may be captured every 1/50th second, or captured in a programmed time separated sequence.

The Hawk V10 is designed to provide optimum performance for a range of scientific, research and industrial applications. A separate monitor is used to display the image which means that the full resolution and the full range of grey levels are displayed. This is essential for applications such as image enhancement, where the output of interest is the improved image. The computer's monitor is left completely free for the display of command menus and results. Because a separate display device is used, the computer is not required to perform block data transfer operations to refresh the image display. This means that all the computer's processing time can be devoted to image processing operations. The combined power of the Hawk V10 and the Archimedes computer make the system ideal both for the processing of static images and for use in more dynamic situations where high speed processing is essential.

The Hawk V10 is a double-width expansion card that plugs into the computer's backplane. No other connection is required to the computer. Video in and out leads are fitted to two connectors on the rear panel of the Hawk V10. A separate monochrome monitor or linear RGB colour monitor is required for image display. An Acorn backplane must be fitted to accept the Hawk V10. The Hawk V10 may be fitted to all versions of Archimedes systems but not to BBC A3000. However, image processing does, in general, require a large memory—especially if images are to be stored in the computer's memory in addition to those held in the frame store.

CHROMATEXT

RRP: £39.95 exc VAT
Minimum RAM requirement: 1Mb

Chromatext is a video captioning package for the Chroma 200/300 series. It allows up to 32 pages of text in various colours, fonts and sizes to be prepared and stored for subsequent overlaying on video signals. For more information, see the entry under Linguinity.

XAT VIDEO UTILITIES PACKAGE

RRP: £79.00 exc VAT
Minimum RAM requirement: 1Mb

The XAT Video Utilities Package is a software package compatible with RISC OS that provides a wide range of useful video utilities. It supports full screen video modes and video overlay and includes such features as real time video clock, VTR leader clock, full test screen, EBU colour bar, etc. and various other video effects.

Forthcoming Products:

- Hawk V12 — Frame store for Archimedes computers. (512 × 512 × 8 bits (256 grey levels))
- Chroma 400 — High performance genlock and video overlay card with mixing facilities

UNIX PRODUCTS

ECD

Computers Delft B.V.
Voldersgracht
2611 EV Delft
The Netherlands
Tel: +31(0)15 14 76 43
Fax: +31(0)15 13 44 29

TCL-IMAGE

Licence to use: Acorn R140 + X-Windows
RRP: TCL-Image is sold 'as is', excluding training and installation.

Industry

1st Licence fl. 11250,00 Maintenance fl. 2250,00
Update Contract. fl. 1125,00
2nd Licence fl. 5625,00
3rd Licence fl. 2812,00

Education

1st Licence fl. 5625,00 Maintenance fl. 300,00
Update Contract. fl. 1125,00
2nd Licence fl. 2812,00

Documentation

Users' Manual fl. 300,00
Applications Programmers Manual fl. 300,00

(Technical Command Language) TCL-Image is a 'state of the art' software package that is developed by professionals and meant for professionals. It contains a TCL-interpreter (including mouse control) and an IMAGE-library with more than 300 functions. the TCL interpreter is a system-independent programming language that allows structured programming with constraints such as: DO...WHILE, IF...THEN, FOR-loops etc.

TCL-Image has an open architecture and the possibility to process images of any dimension.

GEMS of Cambridge Ltd

J1 The Paddocks
347 Cherry Hinton Road
Cambridge
CB1 4DH
Tel: 0223 214958
Fax: 0223 215361
Telex: 81416 GEMSCB G

GEMSOFT36

RRP UK:

Single User Licence: £2995.00 (exc VAT)
Site Licence (for any quantity): £12,950.00 (exc VAT)

RRP Export

Single User Licence: £3500.00 (exc VAT)
Site Licence (for any quantity): £15,150.00 (exc VAT)

Gemsoft 36 is an image processing library and development toolset for today's most popular development environment — the workstation. It is written in C, and operates under Unix and the X Window system. The core of Gemsoft 36 is its complement of high level image processing functions. These are augmented by a series of toolsets which simplify the creation and management of image windows and menus. Designed as X toolkit widgets, the toolsets let you choose a user interface manager to give the look and feel you require for your applications. The sophistication of Gemsoft 36 allows you to develop applications shells rapidly with minimal programming experience. In addition to its library of image processing functions, Gemsoft 36 includes Pixel Manager and Data Manager, lower level utilities for development of custom image processing functions.

The Turing Institute

George House

36 North Hanover Street

Glasgow

G1 2AD

Tel: 041 552 6400

Fax: 041 552 4245

Telex: 265871:79:TUI001

HIPS

RRP: £2750-00 (exc VAT)

Educational and non-profit organisations £950-00 (exc VAT)

Operating System: Unix

Heritable Image Processing System (HIPS) is a set of image processing modules which together provide a powerful suite of tools for those interested in research, systems development and teaching. Originally developed at New York University, HIPS now represents one of the most extensive and flexible vision environments currently available. HIPS:

- is written in C and runs under Unix
- operates on individual images or sequences of images.
- maintains a complete log of the file history within the header file.
- is supplied with sources and a complete set of Unix manual pages and detailed documentation.

ACORN is a trademark of Acorn Computers Limited.

All trademarks are acknowledged.

Acorn Computers Limited

Fulbourn Road

Cherry Hinton

Cambridge CB1 4JN

England

Telephone (0223) 245200

Telex 817875 ACORN G

Fax (0223) 210685

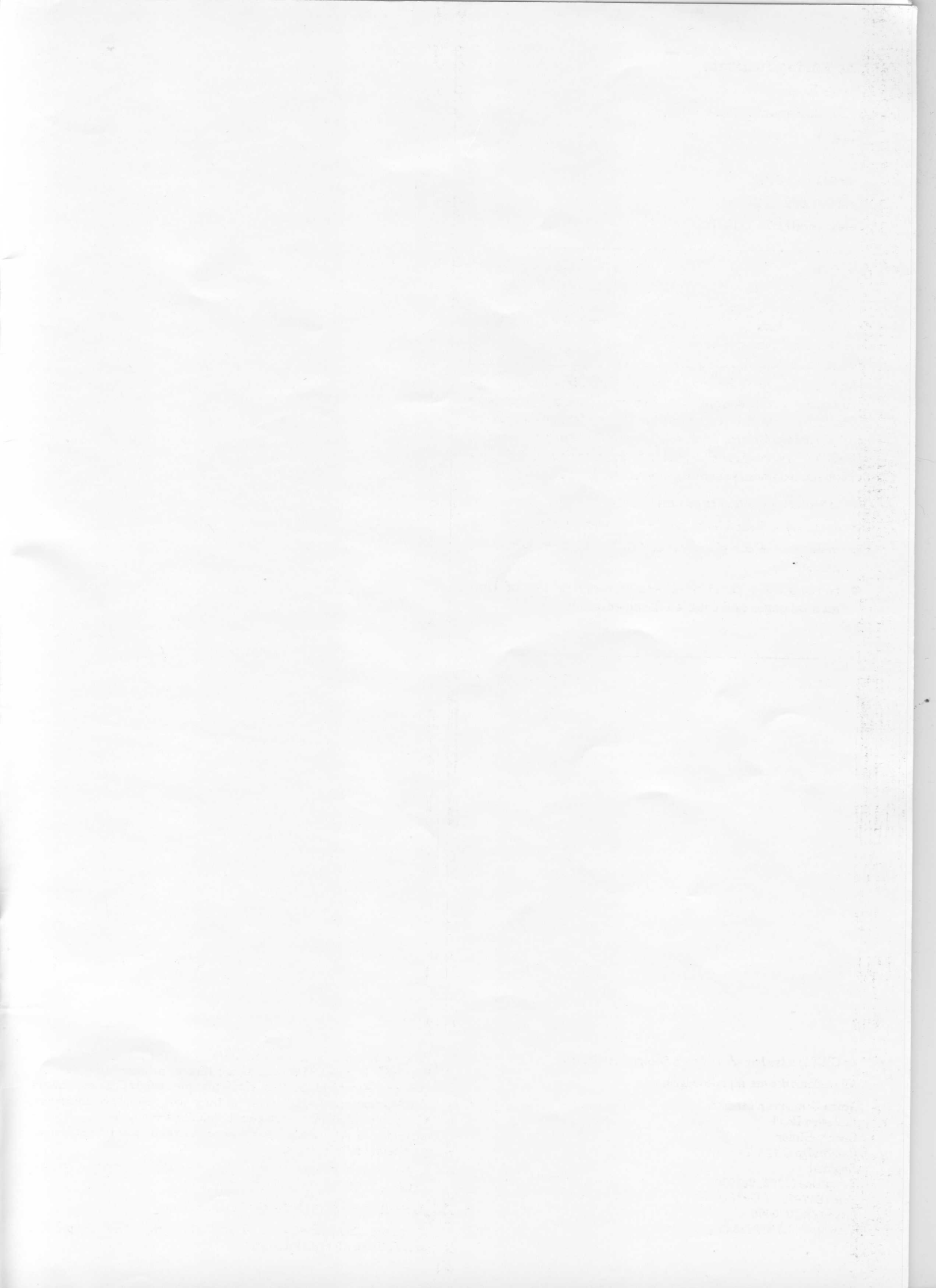
Viewdata (0223) 243642

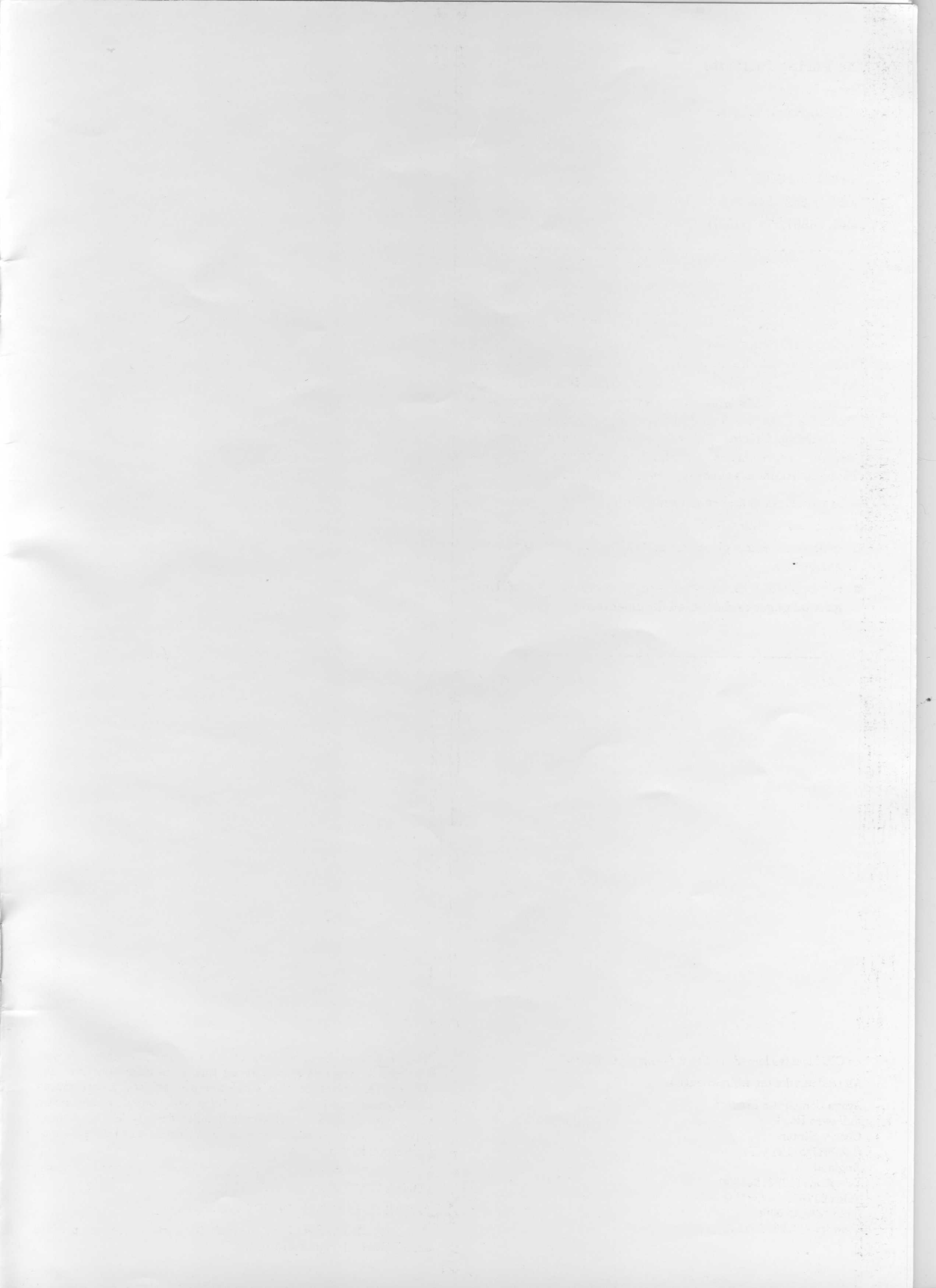
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FOR DETAILS ON PRICE AND AVAILABILITY, PLEASE CONTACT SUPPLIERS DIRECTLY.

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The Turing Institute

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Glasgow

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Tel: 041 552 6400

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Telex: 265871-79-TUN001

HIPS

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Operating System: Unix

Heritable Image Processing System (HIPS) is a set of image processing modules which together provide a powerful suite of tools for those interested in research, systems development and teaching. Originally developed at New York University, HIPS now represents one of the most extensive and flexible vision environments currently available. HIPS:

- is written in C and runs under Unix
- operates on individual images or sequences of images.
- maintains a complete log of the file history within the header file.
- is supplied with sources and a complete set of Unix manual pages and detailed documentation.

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