HIGH-PERFORMANCE COLOR GRAPHICS SYSTEMS.

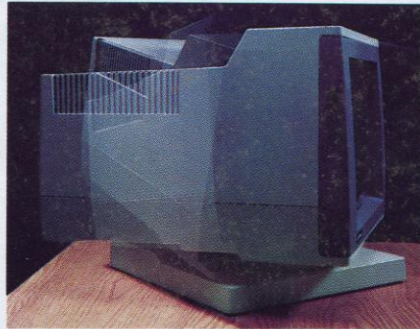We're looking good for a lot of good reasons.

Our family of high-performance, raster graphics display processors and subsystems are recognized worldwide for their ability to cost-effectively reduce the picture-processing workload of host computers.

They're being used to find oil, design motorcycles, treat hospital patients, compose magazines, and trace the movement of military troops. And as many applications as there are now, there are many more to come.

HIGH-PERFORMANCE COMPANY.

For over a decade, Lexidata™ has been advancing color graphics

THE LEX 90 FAMILY. IT LOOKS AS GOOD TO THE EXECUTIVE AS IT DOES TO THE DESIGNER.

LEX 90™ is Lexidata's newest family of raster display processors. Its

Lexidata's own monitor enclosure design features a unique, ergonomic tilt and swivel movement with smooth and easy operation. All monitor connections and peripheral power supplies are located in the enclosure's base.

performance excites designers. Its cost-effectiveness excites business executives.

with every essential graphics primitive including vectors, text, circles, arcs, polygons, and area fills.
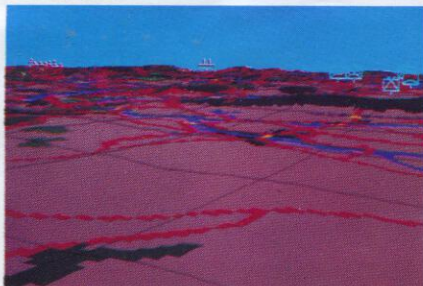
OUR RESOLUTION: A SYSTEM FOR EVERY NEED.

We offer a variety of systems with a variety of resolutions – medium, high, and medium/high. The latter refers to our exclusive SimulRes feature which allows simultaneous display of 640 x 512 and 1280 x 1024 images on the same screen. A True Color configuration offers two buffers of 640 x 512 x 24 with an 8-bit color lookup table for each color. And where high performance with high resolution is vital, there's a LEX 90 model that can support up to 24 planes of 1280 x 1024 display memory at 60Hz non-interlaced refresh.

For petrochemical surface

LEXIDATA.LO

technology, especially in the area of computer-aided design (CAD), where our high-performance systems are being successfully integrated by both OEMs and end-users.

Computer-driven command and control battle simulators are using Lexidata graphics systems to display 3-D terrain appreciation maps. (Courtesy of The Singer Company, Link Simulation Systems Division)

We've set some very high standards against which we measure all our systems. And we see to it that our systems are built cost-effectively by us so they can be priced cost-effectively for you.

Everybody in the LEX 90 family speaks to one another. Both the hardware and software architectures of the LEX 90 family have been designed to accommodate growth. As your application becomes more complex, your LEX 90 system can easily be upgraded. Adding processors or memory is never a problem. Or an unreasonable expense.
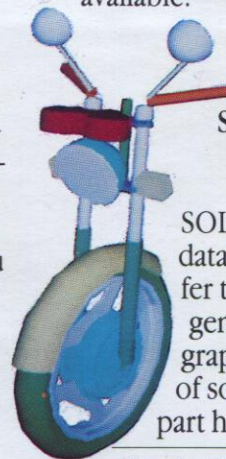
Every model in the LEX 90 family shares this flexible and compatible hardware/software architecture. You'll never have to sacrifice your initial investment should you wish to enhance your LEX 90 system's performance. And what performance!

The basic display controller writes vectors in 600ns per pixel and processes multiple read/write and arithmetic instructions concurrently. And LEX 90's software and firmware provide designers

modeling requirements, there's GEOVIEW,™ a three-dimensional geological interpretation package. And for solid modeling applications on the LEX 90, the extraordinary capability of our patented SOLIDVIEW™ technology is available.

INTRODUCING U.S. PATENT NO. 4,475,104. SOLID MODELING WITH A SOLID FUTURE.

SOLIDVIEW is Lexidata's patented z-buffer technology for the generation of 3-D graphics and display of solid models. It's part hardware and part

Using Lexidata's SOLIDVIEW, Honda design engineers view 3-D solid models of motorcycles as they would appear in real life – in seconds. (Courtesy of Honda Asaka Research & Development Center)

firmware. And the sum of those parts is a faster, simpler, more powerful and more interactive system for solid modelers than any other.

Other systems rely heavily on your host computer. They offer slow processes that require huge amounts of memory. But SOLIDVIEW shares the workload with the host. Parallel processing means that a smoothly shaded solid object can be displayed in just a few seconds.

LEX 90's SimulRes enables the designer to mix theory with reality by allowing the simultaneous display of a wireframe model with the real-life product.

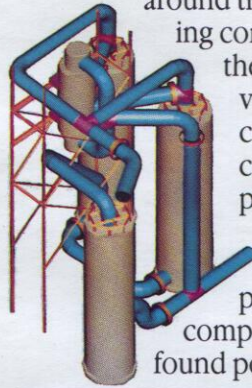## WHAT WILL INDEPENDENT SOFTWARE COMPANIES THINK OF NEXT?

The support of Lexidata display systems by third party software companies is a good example of their popularity. Lexidata-compatible software packages are available for mechanical design/analysis, business graphics, mapping, and geological interpretation. And there's great potential for many more. So if you're an independent developer, come explore with us applications of our advanced technology.

for lab work and classroom instruction. And classes are kept small to allow maximum interaction between instructor and trainee.

TAKE A CLOSER LOOK.

Lexidata systems are hard at work around the world, helping companies realize their goals in a variety of applications that include CAD/CAM, petrochemical, defense, medical, and graphic arts. These companies have found powerful, cost-

An integrated piping design as displayed by Lexidata's patented SOLIDVIEW system. (Courtesy of DIS/ADLPIPE, Inc.)

OKING GOOD.

Students at the Royal College of Art in Kensington, England, use Lexidata's SOLIDVIEW to create designs such as these first-class passenger train seats.

INTELLIGENT SOLUTIONS.

If your application requires a low-cost, color or monochrome terminal with PLOT 10™ or VT-100™ emulation, there's Lexidata's Series 2000. This 1280 x 1024 graphics terminal features a powerful 16/32-bit 68000 microprocessor. Of course, like all Lexidata products, the Series 2000 is compatible with a variety of leading application software packages.

SOLID SUPPORT.

Once you've become a Lexidata customer, we'll provide you with support through our growing worldwide sales and service network.

You'll also be able to take advantage of our specially tailored training courses in Lexidata hardware and software. Hands-on training includes equal amounts of time

effective solutions that can do the job for them now, yet grow with them later, keeping pace with rapidly expanding needs.

If that sounds like your kind of company — or your kind of customer — then we should talk.

Call us at 1-800-472-4747. In Massachusetts, call 617-663-8550. Or write Lexidata Corporation, 755 Middlesex Turnpike, Billerica, Massachusetts USA 01865. TWX: 710-347-1574. In UNITED KINGDOM call: Lexidata Ltd., Hook (025672) 3411. In FRANCE call: Lexidata SARL, Rungis (1) 686-56-71. In JAPAN call: Lexidata Technical Center, Tokyo 486-0670.

▣▣ LEXIDATA®
LOOKING GOOD.

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