Processing with symbols vs. computing with numbers. The first computers crunched numbers. And regardless of how powerful they've become, traditional systems still force you to deal with the world in quantitative terms.

Face sophisticated applications, and the limitations can become all too obvious.

An increasing number of computer scientists, researchers and program developers are discovering ways to break through this complexity barrier. Their vehicle—the Symbolics™ 3600.

The 3600 allows talented programmers and engineers to represent objects and knowledge far more flexibly than numeric formats allow.

Through the dynamic manipulation of arbitrary data structures consisting of symbols and their associated properties, a user can resolve problems previously considered impossible or infeasible.

A few typical applications. Custom VLSI engineering. The 3600 has a unique ability to deal with large, complex modeling structures. Semiconductor companies use it to assist in the development of the next generation of chips.

A development environment for complex software. Rapid prototyping and an incremental edit/compile/dynamic link/debug loop help make the 3600 one of the most effective programming environments ever developed.

Expert systems development. Using the 3600's powerful inferencing throughput and ability to handle very large knowledge bases, government agencies and Fortune 1000 companies are developing expert systems in such fields as process control, financial advisory services and image understanding.

Symbolics—the first name in symbolic processing. Symbolics was founded in 1980 to commercialize this new technology. Among the founders were the developers, at MIT, of the first hardware architecture designed specifically for symbolic processing.

Today, the 3600 represents the highest expression of symbolic processing technology. Its custom processor design incorporates a tagged memory architecture that manipulates symbols as efficiently as a traditional computer manipulates numbers.

Using Symbolics-enhanced Lisp, the 3600 provides a powerful integrated software environment which features object-oriented window system, incremental Lisp/Fortran-77/Pascal compilers and exceptional networking and graphics capabilities—for a new dimension in man-machine interaction.

To learn more about symbolic processing, write us at the address below.

Symbolics Inc., 11 Cambridge Center, Cambridge, MA 02142

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