



The Professional Problem-Solver



PolyMorphic
Systems

WordMaster

Over the last ten years, you've seen computers assume the financial, accounting, and text preparation chores of the larger corporations. These systems are very expensive and require a dedicated staff.

Now, on a limited budget, YOU can enjoy the competitive advantages of a computer.

The System 88 takes advantage of the most recent technology to help you...

- prepare reports and letters,
- do financial forecasting,
- handle general accounting,
- maintain inventory control,
- do most other office tasks...

...ALL with your present staff.

PLAN

The System 88 is a powerful problem-solving tool designed for the professional or business environment.

What makes the System 88 so easy to use?

Pre-programmed diskettes automatically set up the system for an individual task when the System 88 is turned on. Put in another diskette, and the system is instantly tailored for a completely different task. With our self-teaching manuals, no previous computer experience is required to operate the pre-programmed applications.

Pre-programmed Applications for the System 88

PolyMorphic Systems makes available a variety of useful application programs for business and professional offices. Some of the more popular applications are described here; your dealer will know of many others, and will be able to help you find the right package for your needs. New applications are continually being developed and made available to System 88 owners.

WordMaster

With WordMaster, your staff will quickly forget just how difficult it was to prepare proposals, documentation and letters with the manual method. Consider the ordeal of revising even a simple document; it must be retyped at least once, and you run the risk of introducing more errors with each typing. You can manu-

Accounts Receivable

ally cut-and-paste a document but that technique often results in poor quality. Now, a few strokes on the keyboard can correct errors and make significant revisions, without the introduction of new mistakes. In a few moments a perfect final copy can be printed.

Our WordMaster package allows you to quickly produce and update documents using commands to:

- center, underline and capitalize;
- set titles for top and bottom of each page;
- set, change, and position page numbers;
- control indentations and margins, and optional right justification.

The System 88 WordMaster gives your office sophisticated word-processing, with all the other benefits of computer forecasting and recordkeeping.

Inventory Control

PLAN

PolyMorphic Language for ANalysis

With PLAN, you can quickly format your own financial projections, pro forma statements, cost estimates, or any other planning documents. You can then make trial runs, change assumptions, and produce final printouts of your finished plan in a fraction of the time needed by hand. This can be done without any previous computer experience, or knowledge of any computer language.

Accounts Receivable

The System 88 Accounts Receivable program speeds and simplifies the job of billing your clients and keeping track of their accounts. The application includes:

- order entry,
- billing,
- aging,
- collection analysis.

The Accounts Receivable program closely resembles the usual manual system—except that the computer does most of the work.

Mailist

Inventory Control

Inventory Control gives you those periodic stock status reports that were too expensive to compile manually, yet so necessary to manage your growing business. These reports detail stock-on-hand, and items-on-order by date and purchase order number. In addition, this program gives you the weighted average cost for each item, searches for the status of an individual item, and provides inventory valuation.

Mailist

Mailist allows you to create and maintain a mailing list and send custom letters and documents to all or some select part of the list. You can record specific data for each member of the list, and later you can use that data as a means for reference and sorting. For example, a politician can record the amount and date of the last donation of each member on his mailist. He can tell Mailist to use this information as a means for selecting some part of the list for a mailing. Mailist's referencing ability allows you to insert custom information in a letter.

The applications of this program are only limited by your imagination!

Confidence Package

PolyMorphic Systems is the only microcomputer manufacturer to give you complete confidence testing and to

Confidence Package

provide your dealer with a complete service package.

The System 88 product line is extremely reliable and maintenance-free. The infrequent problems that do arise can be identified in their early stages, reported to your dealer and quickly corrected. The System 88 Confidence Package displays test results in simple form on the video screen. You don't need to know anything about computers or electronics to know your system is working perfectly.

PolyMorphic Systems gives your office the power of computer forecasting, recordkeeping, and word processing at an affordable price. Your office staff will quickly find the System 88 indispensable.



System 88 Product Line

System 8813

... The Primary System

The System 8813 is the most practical "first computer" that a user can buy. It combines a keyboard, video display, and a central console containing two or three disk drives. A printer usually completes the installation of this general-purpose problem-solving tool.

System 8810

... Additional Work Stations

As your requirements for computer time increase, an additional work station may be necessary. The System 8810 has a single drive...adequate for operation of WordMaster, PLAN, and several other applications. This frees your 8813 for programs requiring more disk drives.

The 88/MS

... Mass Storage

The 88/MS is an add-on module for the System 8813 which permits large amounts of data to be stored and accessed quickly. The 88/MS uses larger diskettes, increasing the storage capacity of the System 8813 by a factor of ten or more.

The advantage to you with the 88/MS is that...

- growing inventories,
- growing customer and accounting records, or
- any other increasing storage requirements

... can be accommodated.

Changing needs may increase your storage requirements, or increased awareness of the power of the System 8813 may simply suggest additional applications. In either event, PolyMorphic Systems offers cost-effective expansion modules to fill each requirement.

**PolyMorphic
Systems**

Applications Development on the System 88



PolyMorphic Systems has achieved a reputation for having the best system software and application development base in the microcomputer industry. The serious applications programmer will realize that the System 88 represents the state of the art in rapid program development and debugging.

System

The human-engineered disk-operating system features:

DYNAMIC OVERLAYS—

Reentrant, pure code (in 2K sharable modules) lets 30K of system code fit into 16K.

EXEC COMMANDS—

All essential commands provided in

resident executive overlay. Programs run by simply typing the filename: can be viewed as extended Exec commands.

ERROR MESSAGES—

Centralized error message handling overlay system. Facility provided for editing, adding, and deleting messages.

COMMAND FILES—

A text file can be used as a "macro" system command.

"INITIAL" FILE—

Auto-executes your application program on power-up.

INTELLIGENT MASS STORAGE CONTROLLER—

The Z-80 based sector cacheing and

read-ahead in controller memory provides tremendous access speed increase. Also total self-test on power-up.

PRINTER OUTPUT BUFFERING AND KEYBOARD TYPE AHEAD—

Simultaneous peripheral operation via vectored interrupts.

THIRTY-ONE CHARACTER FILENAMES WITH SPECIAL CHARACTERS—

Avoids messy abbreviations — can use mnemonic names.

These capabilities and others are fully described in the System 88 User's Manual and the System 88 Programmer's Manual.

Screen Editor

PolyMorphics screen editor is one of the best. Using the fast System 88 memory mapped video display, it allows:

- two dimensional cursor control,
- block move, delete, and print,
- string search,
- file merge and partition.

The screen editor significantly speeds writing, modifying, and documenting programs, frequently doubling productivity over similar machines.

The editor is just part of a comprehensive System designed with applications in mind.

BASIC

Our advanced BASIC interpreter permits the programmer to quickly produce quality applications and application modules. This interpreter includes all the features you've come to expect, such as:

MULTI-DIMENSIONAL NUMERIC & STRING ARRAYS—

Dimensions and string lengths limited only by memory.

FORMATTED OUTPUT—

Free or declared fields for floating point, exponential, or integer values, with or without embedded commas or dollar sign. Easy print positioning on video screen.

MATRIX OPERATIONS—

Add, subtract, take the mean or standard deviation of arrays in one command. Print, plot, read, or input too!

USER-DEFINED FUNCTIONS—

Multi-line, with dummy arguments and local variables.

The interpreter also has capabilities rarely seen even in large systems:

- settable precision (6-26 digits)
- graphic plotting
- real time clock
- on-error and on-escape
- variable cross-reference listing
- single stepping
- summary listing of scalar variables
- call to machine language subroutine or overlay

BASIC file handling capabilities allow several convenient ways of inputting from or outputting to sequential variable record-length files, updating a record in a file, and positioning to a record in a file.

The BASIC manual documents all these features with sample programs to clarify every detail.

Printer Driver

A modular "printer driver" program can be configured to operate almost any standard serial printer by defining a printer configuration. The definition is made in conversational mode, and once the definition exists, it can be called up by name from the Executive. It then remains in a dedicated memory area, serving as the system's uniform interface to the printer until another defined driver is called in. Definitions are supplied for the video screen, the "Null" device, a Diablo 1620, Qume Sprint 5 and other printers.

Assembler

Macro-88 is a full macro assembler with conditional assembly and automatic reference system for inter-program address communications (REF and DEF pseudo-ops) which also provides macro libraries. (Macro libraries are useful for assembling Z-80 code, for example.) Listings may be generated in any base from 2 to 36. Uses Intel standard mnemonics. All systems are provided with a global REFERENCE file named SYSTEM.SY containing system interface addresses.

*The above facilities may be augmented with advanced tools provided with the Systems Programmer's Disk and Manual. A truly complete business system must **also** be a complete development system.*

A Few Comments from Our Customers

"Good software is the primary reason I purchased a PolyMorphic... Today, many vendors have good hardware, but that is worthless (to many people) without good system software..." Birmingham, Alabama

"I feel I must compliment you on the standard of your software and its documentation..." Somerset, England

"I am delighted at the performance and reliability of this system..." Gastonia, North Carolina



About PolyMorphic Systems

PolyMorphic Systems was founded in late 1975 by three engineers interested in providing professional quality computers and peripherals at low cost.

In early 1976, they announced their first computer system, the POLY 88. It was such a success that, in January of 1977, PolyMorphic Systems moved into their present facility at 460 Ward Drive in Santa Barbara.

PolyMorphic Systems announced the System 88 product line in April of 1977. Based around the System 8813, this was the first completely integrated small computer using the new mini-floppy diskettes for information storage.

More recently, PolyMorphic Systems has introduced a line of support modules for the System 88 product line, as evidenced by the 8810 work station and the 88/MS storage unit.

PolyMorphic Systems remains dedicated to providing multi-purpose computer systems to meet the growing needs of business and professional applications.

Contact your local dealer

**PolyMorphic
Systems**

460 Ward Drive Santa Barbara, California 93111
Telephone (805) 967-0468