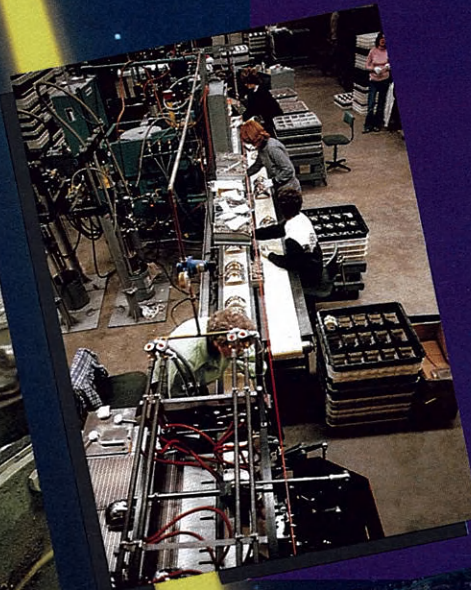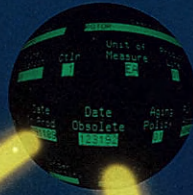# Linking Islands of Automation
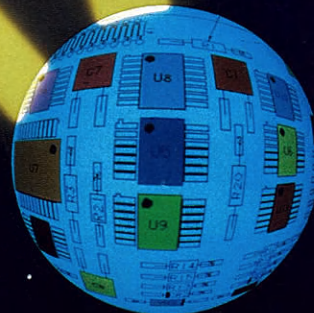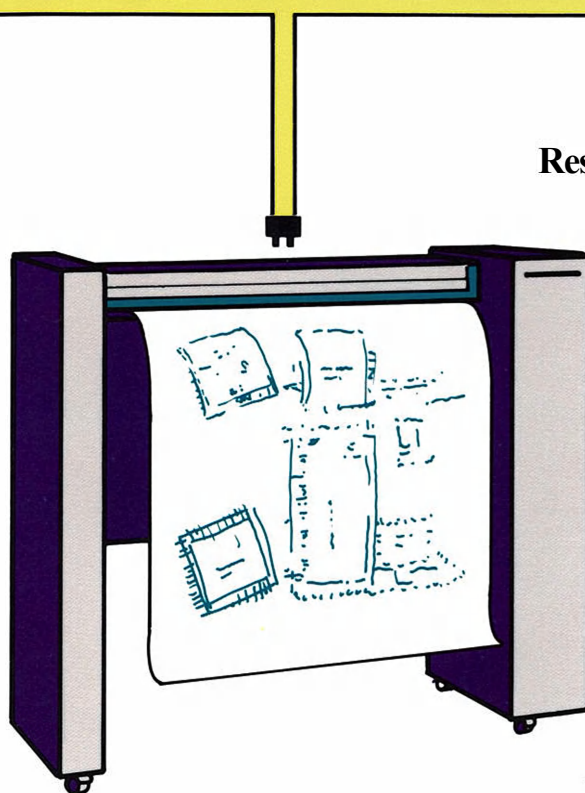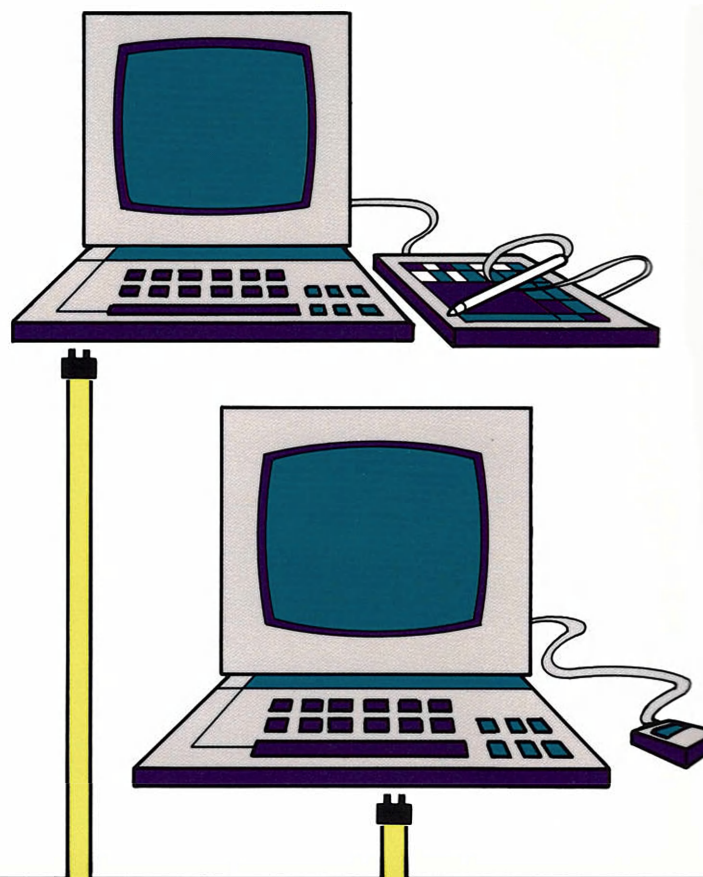
Software Integration Sockets

JTP Sockets — The *Integration* in Computer

Imagine, production having immediate access to the latest product design information. Product designers and process engineers accessing the latest production data.

Visualize order entry clerks with current production schedules and production managers aware of the current customer order situation.

With an HP Sockets implementation, production schedulers could have up-to-date plant floor status and your material planners could initiate timely responses to engineering changes.

HP Sockets is a software integration toolkit that helps link your diverse "islands of automation," improving decision-making and process control. It makes the *Integration* in Computer Integrated Manufacturing a reality.

Resolve the Integration Dilemma

In an ideal, automated manufacturing environment, the software used to manufacture products is integrated and easily maintained. Extending your CIM program towards this end presents a classic software development dilemma.

Rebuild from scratch?
The cost and time requirements can be immense.

Invest in custom-coded interfaces?
You don't want to spend time and money to change custom code as your manufacturing processes change.

Integrated Manufacturing

Ideal Solution

The ideal solution is a *flexible* manufacturing environment—an HP OpenCIM/HP Sockets environment. HP Sockets goes beyond today's need to integrate existing manufacturing software and enables you to integrate new applications with those already in place—on heterogeneous computer systems. The HP Sockets approach improves productivity, reduces technology write-downs, and increases return on investment in the current financial period.

Maximize Return on Investment

HP Sockets lets you maximize the return on your current hardware and software investments. It integrates existing manufacturing software-

today—and ensures that you can fully utilize your present systems rather than purchase costly replacements. And it integrates your applications with far less programming than a custom-code approach would require. With HP Sockets, you define your manufacturing environment—your way—and HP Sockets efficiently handles the interfaces to improve your manufacturing processes. Whether you're starting a new plant or enhancing your existing facility, HP Sockets protects your investment and provides a migration path to the future.
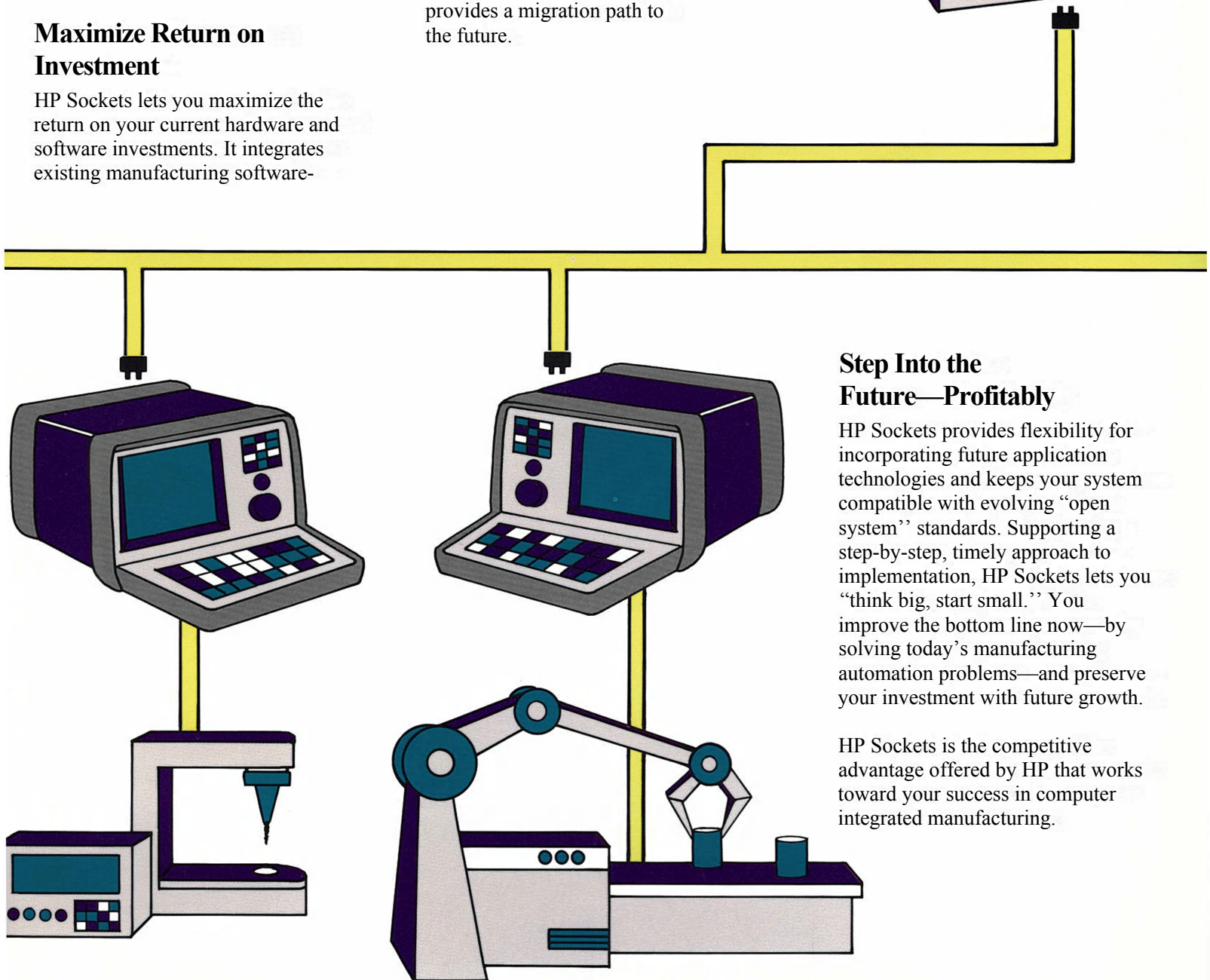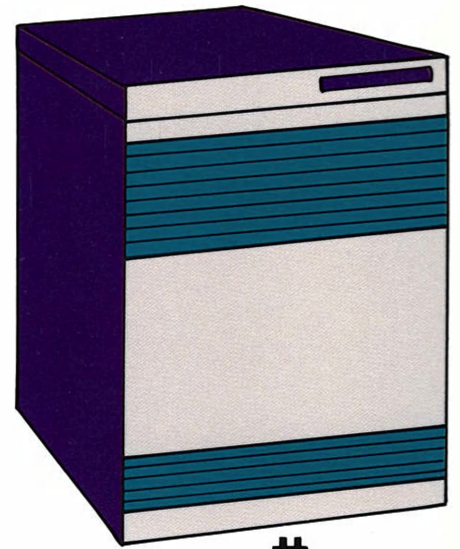
Step Into the Future—Profitably

HP Sockets provides flexibility for incorporating future application technologies and keeps your system compatible with evolving "open system" standards. Supporting a step-by-step, timely approach to implementation, HP Sockets lets you "think big, start small." You improve the bottom line now—by solving today's manufacturing automation problems—and preserve your investment with future growth.

HP Sockets is the competitive advantage offered by HP that works toward your success in computer integrated manufacturing.

Avoid a Strategic Error

Unlike most CIM solutions, HP Sockets doesn't force commitment to a single solution vendor or a "closed-end" solution. It is, in fact, a superior integration toolkit for the manufacturing industry—one that doesn't lock you into any particular operating system or network protocol. Designed with the manufacturing customer in mind, HP Sockets adapts to *your* environment and transparently works to bring manufacturing system integration within reach.
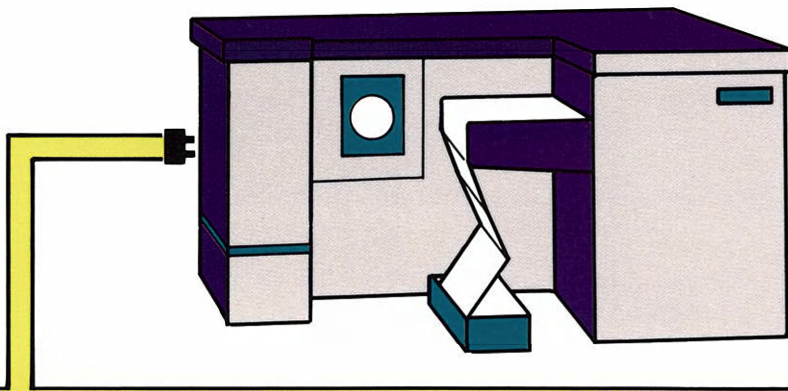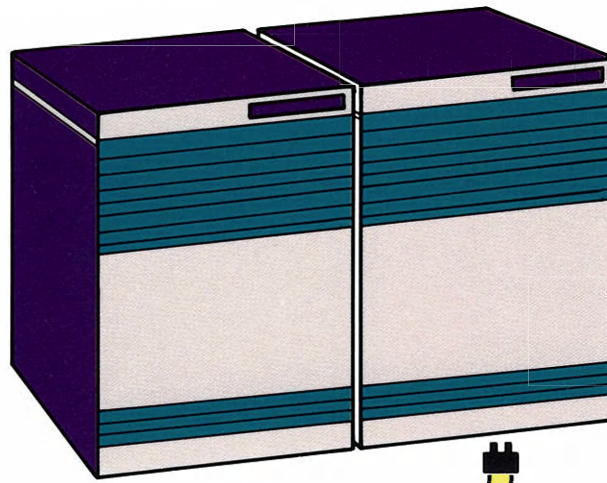
Business Just Gets Better

A superior software integration toolkit, HP Sockets works to improve your bottom line.

Increased Flexibility

HP Sockets easily accommodates changes in manufacturing processes on the shop floor. And as a key part of HP's OpenCIM strategy, HP Sockets ensures full benefit of future solutions from the manufacturing systems leader.

Higher Quality

HP Sockets links on-line production information to improve decision making and process control. Product quality improves right along with your reputation.

Improved Cycle Time

Because HP Sockets links important information and makes this information easily accessible, you can design, manufacture, and deliver products faster.
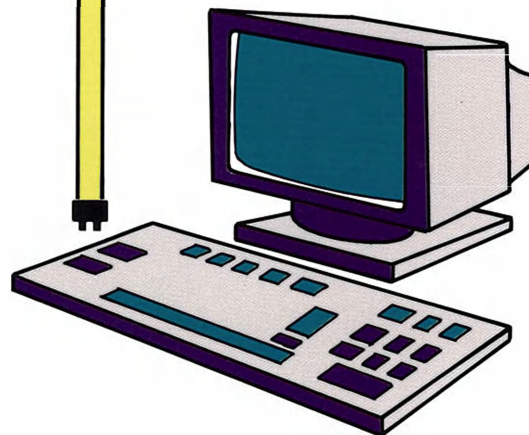
Reduced Cost of Integration

HP Sockets is far less expensive than rebuilding your operation or custom coding interfaces to integrate applications.

Higher Programmer Productivity

HP Sockets is an easy-to-learn, easy-to-use software development tool. Its small set of powerful functions simplifies development of integration routines, yet has minimal effect on existing lines of code.

Integrated Manufacturing

Designed for Manufacturers by the Manufacturing Systems Leader

HP Sockets is the enabling facility of HP OpenCIM / HP's strategic factory automation initiative—and is installed by Hewlett-Packard in its "world-class" manufacturing sites.

Designed by Hewlett-Packard—the manufacturer's computer company—HP Sockets has been adopted by HP's Premier Solution Providers and further demonstrates that "HP has a better way." HP Sockets enables the integration of proven, reliable software applications into flexible, supportable factory control systems. A winning combination of quality products, reliability, and expertise in manufacturing makes HP the right choice for your CIM solutions.
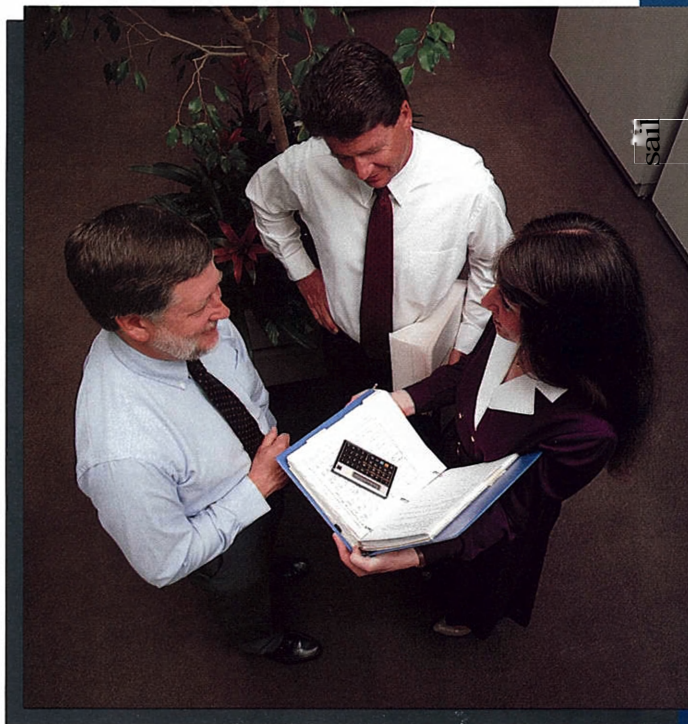
It's Your Move!

For assistance in evaluating HP Sockets and HP's full line of automation solutions, contact the Hewlett-Packard office nearest you.

For more information, call your local HP sales office listed in your telephone directory or an HP regional office listed below for the location of your nearest sales office.

United States:
Hewlett-Packard Company
4 Choke Cherry Road
Rockville, MD 20850
(301) 670-4300

Hewlett-Packard Company
5201 Tollview Drive
Rolling Meadows, IL 60008
(708) 255-9800

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No. Hollywood, CA 91601
(818) 505-5600

Hewlett-Packard Company
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Atlanta, GA 30339
(404) 955-1500

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Shinjuki-ku
Tokyo 160, Japan
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Monte Pelvoux No. Ill
Lomas de Chapultepec
11000 Mexico, D.F. Mexico
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22/F Bond Centre
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Central, Hong Kong
8487777

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(0222) 2500-0

East Central Europe, USSR and Yugoslavia:
(0222) 2500-0

Belgium and Luxembourg:
Customer Information Center
(02) 761 34 00

Denmark:
(42) 81 66 40

Finland:
(0) 88 721

France:
(1) 69 82 60 60

Germany:
(06172) 16 0

Greece:
(01) 68 28 811

Iceland:
(91) 67 10 00

Ireland:
(01) 88 33 99

Italy:
(02) 92 19 91

Netherlands:
(020) 547 6666

Norway:
(02) 24 60 90

Spain:
900 123 123

Sweden:
(08) 750 20 00

Switzerland:
(057) 31 21 11 (Headoffice)
(022) 780 41 11 (Suisse Romande)
(046) 05 15 05 (Customer Information Center)

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