

# DIGITAL RESEARCH®

Box DRI ■ Monterey, California 93942 ■ (408) 649-3896 ■ TWX 910 360 5001 ■ FAX (408) 649-0750

For more information contact:  
Digital Research Inc.  
60 Garden Court  
Monterey, CA 93940  
Gale Steiner (408) 646-6005

For Immediate Release

## DIGITAL RESEARCH INC. ANNOUNCES FlexOS™ FOR MULTIBUS II AND THE 80386

Monterey, Calif., January 20, 1987 -- Digital Research Inc. announced today an implementation of its FlexOS family of operating systems on Intel Corporation's high performance, MULTIBUS II architecture by their joint customer -- American Manufacturing Systems. The system is designed for use as a "cell controller" in industrial automation systems. "It is a multiple CPU configuration, mixing Intel's 386 and 286 Single Board Computers on a MULTIBUS II backplane for maximum performance and expandability," said Jerry Horn, President of AMS.

The power of FlexOS' real-time, multi-tasking capabilities is a perfect match for Intel's MULTIBUS II and 386 processor. The inherent flexible configuration capabilities of the operating system, due to its modular "C" code design, combine the power of a UNIX system and the programming ease of a DOS environment with the "true", real-time processing software base required of manufacturing systems.

FlexOS 286 is based upon the basic architecture of

Concurrent DOS 286, originally released in September, 1985 for the IBM 4680 point-of-sale systems. Two new versions are scheduled for distribution in the second quarter of 1987 -- FlexOS 186 is scheduled for BETA release in February and the FlexOS 386 BETA release is scheduled for April.

Both the existing 286 version of the operating system and the forthcoming 386 version will support the Intel 82786 advanced graphics co-processor through a multi-tasking version of DRI's GEM Virtual Device Interface. Also scheduled for both versions is an emulation feature allowing some DOS applications to run concurrently in the "protected mode" of the processor without resorting to a switch to "real mode" which can wreak havoc on a real-time application.

"Intel is pleased to have DRI join the more than 200 companies that supply in excess of 2,000 products for use on the MULTIBUS architecture," said Bob Hanson, General Manager of Intel OEM Modules Operation.

Gary Kildall, Chairman of the Board for Digital Research Inc., said: "This announcement represents Digital Research's commitment to providing system software solutions to companies facing the demanding challenge of Industrial Automation. The bulk of U.S. manufacturing capability is in the hands of a large number of small companies who cannot afford a multi-million dollar R&D project possibly obsolete by the time it is installed. The FlexOS product line represents a cost-effective, microcomputer based, software foundation that is

designed to adapt to the changing technological requirements of the industrial market."

Digital Research Inc. is a privately owned software development company with headquarters in Monterey, California.

-##-

*This document was created using GEM Write and output on the Hewlett Packard LaserJet+.*

MULTIBUS is a trademark of Intel Corporation. FlexOS is a trademark of Digital Research Inc.