Digitize nondimensioned parts faster

PMX’s Digi-Graph provides productivity improvements of up to 10 to 1 in digitizing complex, nondimensioned machine development parts and artwork. The software is useful for digitizing such geometries as die blank developments, artistic detailing, lettering, and logos.

With Digi-Graph users input straight-line moves, true arcs, and rapid motion statements. Lines are defined by their endpoints, and arcs by any three points on the circumference.

The IBM PC software creates DXF-formatted files for data exchange between XL/NC NC Programming software, AutoCad, Cadkey, and other DXF systems. The digitizing pads supported include GTCO, Pnumonics, Hewlett Packard, Kurta, Houston Instrument, and Skalar Systems.

Contact the company for price.

Reader Service Number 35

A/D converters offer 20-kHz sampling rates

Two 16-bit sampling A/D converters from Micro Networks can be used to digitize high-frequency signals in digital signal processing applications.

The MN6290 and MN6291 converters are constructed with internal, user-transparent, track-hold amplifiers. These amplifiers enable the units to sample and digitize dynamically changing input signals (with frequency content up to 10 kHz) at sampling rates up to 20 kHz.

MN6290 has a 10-volt input span; MN6291’s span is 20 volts. Each features a 40-μ maximum conversion time, a 5-μ acquisition time, and a 10V/μ slew rate with precision of ± 0.001 percent linearity error. Both devices offer two electrical grades and two operating temperature ranges.

Pricing for each device begins at $252 for quantities up to 14; production quantities require 12 to 16 weeks for delivery.

Reader Service Number 36

Software analysis tools announced by Intel

Intel Corporation has introduced 80286 and 8086/8088 real-time software analysis tools that can be run on the IBM PC AT and XT. Called iPAT-286 and iPAT-86/88, these products allow software developers to monitor the execution of real- or protected-mode software for speed tuning and test analysis.

iPAT tools permit the host system to display high-level histograms, tables, and code coverage maps and examine the code generated by 8086/80286 compilers and assemblers. The analyzers use high-level-language symbolics (ASM, C, PL/M, Pascal, Ada, and Fortran) so designers can quantify code behavior at the module, procedure, statement, or address levels.

Intel’s analyzers begin in price at $2995; both kits require the iPATCORE base system.

Reader Service Number 38

Color printer interfaces with mainframes

Mitsubishi International’s Model CHC-635 nonimpact, thermal-transfer printer features 11-inch horizontal images for its B-size print output. The color printer can produce 270,000 colors for CAD/CAM/CAE hard-copy prints and transparencies.

CHC-635, when interfacing the Shinko Videoprocessor Model SPI 3-1, can be connected with IBM 5080, DEC, and other mainframe color systems. This interface features a five-second capture time. On demand, the video processor can multiplex up to four different terminals.

Contact the company for pricing.

Reader Service Number 39

Laser system stores 210,000 pages of data

The MMi-100 optical system from Micro Mart OptiSys comes with a Small Computer Systems Interface. It attaches to an IBM PC or compatible using a Host Adapter, which fits into an 8-bit PC slot.

OptiDriver from Micro Mart’s OptiSys Division allows IBM compatibles to use laser technology to store the equivalent of 1100 floppy disks on a 5.25-inch, reusable cartridge. Users access a WORM (write once, read many) optical disk drive as if it were a Winchester drive. The MMi-100 OptiDriver system can be used with MS-DOS and a variety of word processing programs.

OptiDriver sells for $49.95.

Reader Service Number 37

Reader Interest Survey

Indicate your interest in this department by circling the appropriate number on the Reader Interest Card.

Low 180 Medium 181 High 182

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