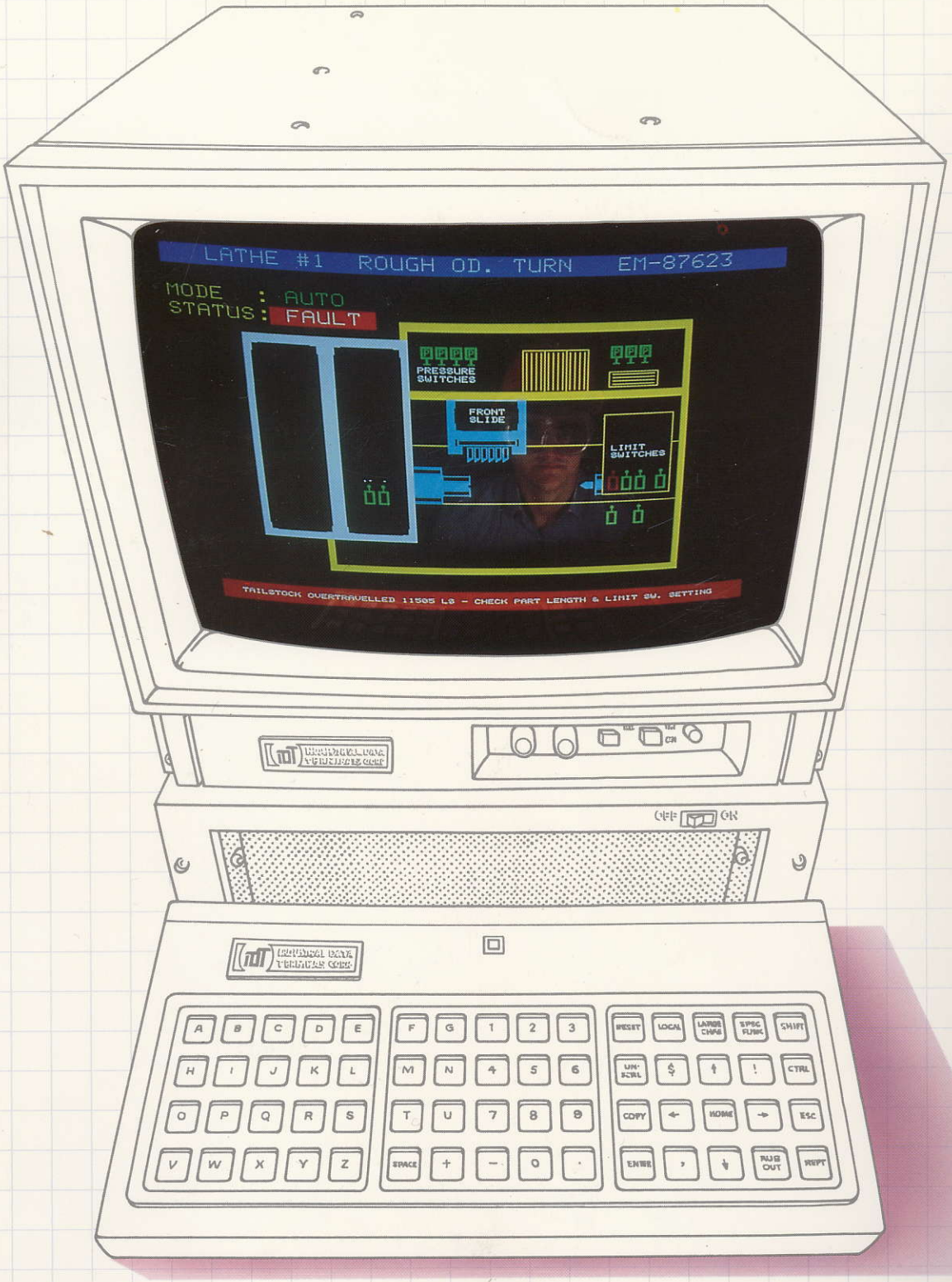


Industrial Data Terminals Corp.

Responsiveness: An operating philosophy.

All IDT personnel are dedicated to the goal of providing man-machine interface systems and related products that fulfill our customers' needs. The motivation for this responsiveness lies in our corporate profit sharing program for all associates, and the commitment to provide equity participation for many key personnel. We are recognized as the leader in our field. To achieve leadership and the rewards of growth, we strive to match the quality and high performance of our products with high professionalism in our people.

We have established the standards to be met in producing industrial systems that deliver cost-effective, results-oriented performance. Our balanced professional team of digital electronic engineers, skilled programmers, packaging and production engineers can identify customer needs, and then produce the system that meets them.

We build our systems to the rigid IDT specifications required for industrial applications, then carefully test and evaluate their performance both in-house and at the customer's plant. By providing a window on the process that improves operator responsiveness, IDT products enhance the success of a customer's control system. Normally, this added value provides major economic benefits, and a rapid payback.

IDT continues to build its business, and its reputation, on its ability to solve customer problems through the application of state-of-the-art man-machine interface technology. Additions to our product line are continually being developed to meet expanding market needs.

All color graphics in this brochure were photographed directly from the screen and are unretouched.

Rugged man-machine interface systems for higher productivity in factory floor applications.

Building them tough, building them "smart".

To meet our customers' needs for unquestioned reliability, simplified programming, ease of operation and broad capability, our products have to be intelligent as well as rugged.

The sophisticated software in the "smart" IDT terminal increases the user's ability to create a great variety of high-resolution symbols, characters and complete pictures, then display them quickly upon request. This intelligent terminal dramatically reduces host computer workload and host-to-terminal communication time. The following key features illustrate how the combination of ruggedness and intelligence effectively links people to processes. ■

Subpicture Architecture, the key to IDT's superior performance, is achieved by carefully combining hardware and software technology. Our proprietary approach streamlines the creation of color graphics and allows split-second display with a minimum of host computer communication. These features permit a user to develop process graphics with pixel-defined or vector-drawn displays, or with a combination of the two, and to store them within the terminal. They allow him to create free-form shapes using vectors and fills. And they simplify construction of complex images, animation effects—and more.

Bubble Memory, an exclusive IDT terminal option, provides nonvolatile storage capacity and high-speed picture updates. It illustrates IDT's skill in using high technology to provide practical solutions to the problem of reliability in industrial applications. Bubble memory allows an entire library of user-defined pictures and subpictures to be permanently stored, in solid-state form, within the terminal. It also enables the stored information to be edited easily or updated on the fly. A single command instantly displays any picture stored within the bubble and provides the speed of response necessary for real-time interactive process control. Moreover, bubble memory is impervious to contamination, be it temperature, vibration, electrical or magnetic.

CLASSICMATE II™, another exclusive IDT option consisting of hardware and software, provides a window to the industrial process by linking color graphics to the process being controlled by programmable controllers. This system eliminates the need for any programming, and employs bubble memory, with no moving parts, to assure high reliability. With CLASSICMATE II™, plant personnel can rapidly build, or change, process displays and tie them to the P.C. system within a few hours. An operator can easily monitor and change process variables—setpoints, coils and control limits within the P.C.—through the IDT keyboard and display, with no need to adjust the P.C. or use any programming.

IDT Programmable Entry Panel provides an operator with an easy-to-use, highly functional keypad, expressly built for his environment. The totally sealed unit will withstand water spray and spilled coffee. It permits users to configure key functions and change key legends to match the operator's needs for interaction with any plant process. Optional programmable LEDs for each key provide real-time operational feedback. An optional protect and lockout feature provides key-lock supervisory override at any time. The bezeled surface provides positive key location, even with gloves on.

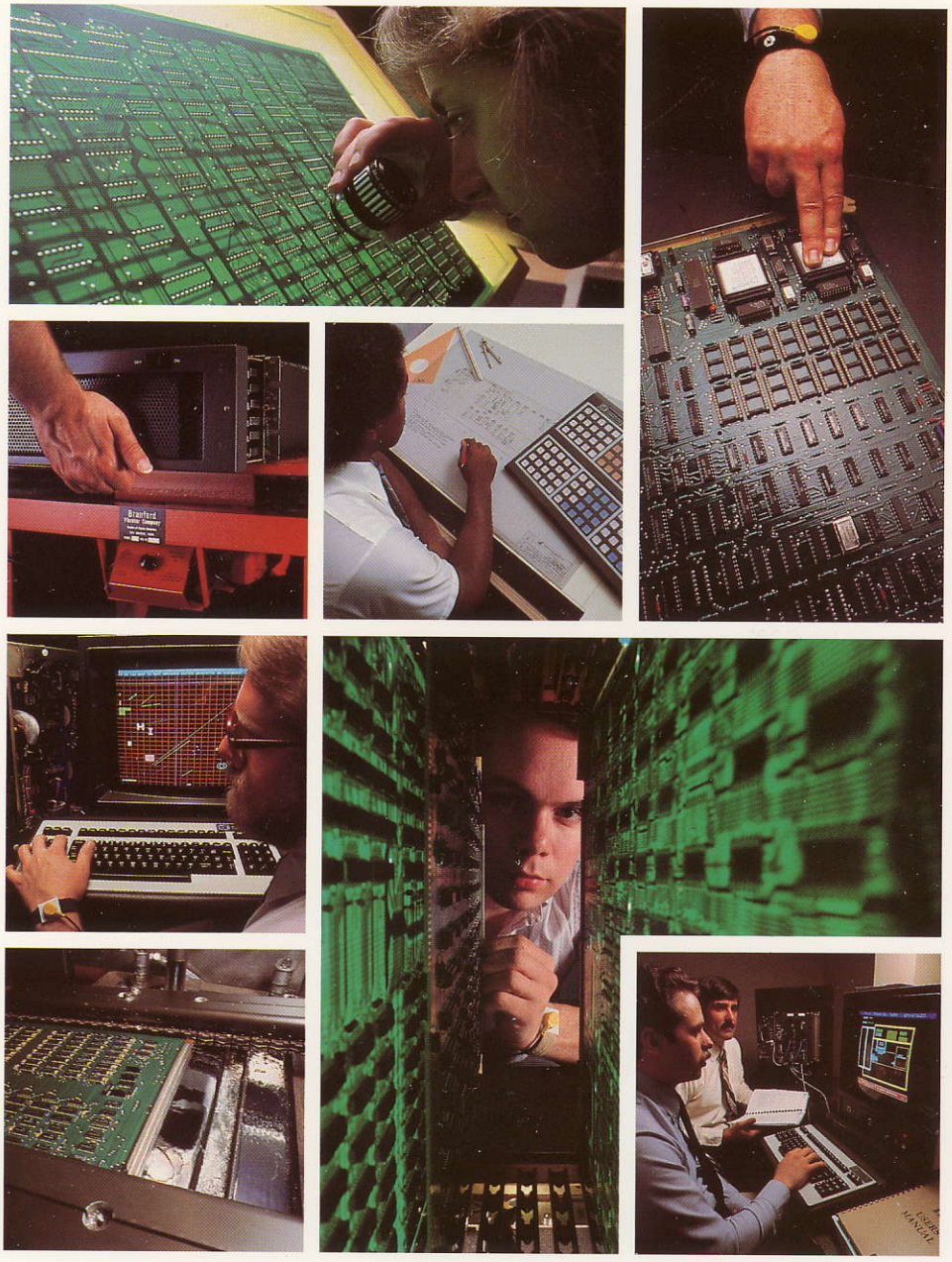
We develop and produce complete, results-oriented systems.

Our design, manufacturing, and service support focus on providing the most reliable systems for plant environments—even the most severe. We create industrial application packages that exploit the full capabilities of the hardware. And we provide the proper interfaces to related input and output equipment. This effort is directed by key managers and associates who have over 200 man-years of experience with industrial process control systems.

Our family of systems serves a broad range of applications, and allows expansion to grow with customer needs. Our philosophy is to build evolutionary, not revolutionary, systems, and to assure long-term support and full upgrade capability. Basic design emphasizes high-speed color graphic presentations requiring minimal communication with the host computer or the process. Simultaneously, it meets the need for high reliability demanded by the industrial environment. Other key design parameters are to:

- **Maintain the programming compatibility of past, present, and future models so that the customer's programming investment is protected**
- **Provide expansion modules and options that meet customer needs**
- **Provide simple, on-line diagnostics and modular board-level maintenance**

Our comprehensive quality control program includes a full set of inspection procedures, from parts receiving to final system checkout. Each major system component undergoes "burn-in", then the total system is subjected to a minimum of 72 hours of high temperature operation. At the test conclusion the system receives a complete operational checkout. Finally, each system is tested on a vibration machine to ensure that no loose connections exist and that the system will withstand vibration effects encountered in shipment and industrial use.



IDT is building its reputation by building the best. We maintain that reputation by providing technical support and service to assure maximum system uptime. Our operation, installation and service manuals provide excellent customer communication, and our professional staff of experienced software and applications specialists is available to provide customer training and application consultation.

Our service philosophy emphasizes a strong modular maintenance program. System diagnostics allow customers to identify problems down to the board level. We maintain a large stock of spare modules, boards, and parts. With our optional Modular Maintenance program, we guarantee 24-hour turnaround time on replacement boards or modules shipped from our plant. Our goal is 99% uptime, with a recommended set of spare modules.

Rugged. Reliable. Performance-proven.

Industrial Data Terminals Corp.

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