Efficient, profitable manufacturing with the high-value MC1000 Mobile Computer

Better management for more profitable manufacturing

As a manufacturer, you are under intense competitive pressure to improve quality, production and response to your customers at the lowest possible cost. This means lean inventories and processes. The better your ability to manage production lines to eliminate waste and bottlenecks of people, equipment and materials, the faster your production times and delivery schedules.

Mobile technologies have a proven record of helping manufacturers decrease inventories and streamline processes. The ultimate goal of using mobile computers in operations is capturing all required data to support near real-time visibility — without slowing productivity through labor-intensive data collection processes. In many applications, such as error-proofing, increased visibility helps optimize all three cornerstones of manufacturing: people, equipment and materials. This leads to higher margins and better response to customers.

However, enterprise-wide mobile computing systems may not fit the needs of your organization. A simple mobile device can effectively support your process improvement goals when it doesn't overwhelm your IT department with complex application development or burden users with unnecessary features. At the same time, the device you choose should be flexible and allow you to expand its functionality as your business grows.

Key benefits
- Increases profitability and customer response through near real-time visibility into operations
- Improves efficiencies by reducing manual process errors
- Enhances productivity with an ergonomic, rugged device designed for ease of learning and extended use
- Protects investments with a standards-based platform offering broad development support

Streamlining material management with the MC1000

The lightweight MC1000 mobile computer from Symbol Technologies combines bar code scanning and data entry into one affordable yet rugged device ideal for managing inventory and production in your assembly lines and at your shipping docks. With its ability to scan and decode one-dimensional (1D) bar codes, the MC1000 eliminates errors associated with handwritten documents.

With the MC1000 you have near real-time visibility into inventory — which parts are in stock, which are in production and which need to be replenished. Timely, accurate inventory information eliminates accumulation of unused stock and prevents the wrong materials from reaching the shop floor, avoiding potential production delays.

The MC1000 work-in-progress (WIP) applications enable you to efficiently track the movement of materials, bin parts and the finished product through your assembly process. Assembly line workers can use the device to quickly confirm they are pulling the right parts for assembly, reducing costly errors and improving process efficiencies. After final assembly, the MC1000 provides production information to your back-office systems, where it's used in sales, shipping and forecasting applications. Production and maintenance information from assembly

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equipment on the shop floor may also be collected by the MC1000, allowing you to extend equipment life and better evaluate your return on capital investments.

Your loading dock, storage area and shop floor are tough environments for your employees and your equipment. The rugged design of the MC1000 is able to stand up to these environments. With its IP54-rated seal for protection in damp, dusty conditions — and its ability to withstand a 4-foot (1.2-meter) drop to concrete — the MC1000 allows accurate data scanning and capture operations without interruption.

Improving productivity from clock-in to clock-out

For applications requiring speed and accuracy, the MC1000 optimizes the productivity of your shop floor managers and workers. With a highly intuitive, graphical interface, any worker is able to use it with minimal training to speed data capture and transaction processing accuracy for such critical activities as periodic inventory counts, daily shipping tasks, parts bin tracking, machine monitoring and quality control.

The lightweight ergonomic form factor, high-resolution monochrome screen and large, simplified keypad of the MC1000 reduces data entry errors, allowing shop floor managers and production workers to quickly enter information about inventory and work in progress, even while wearing gloves. And because the MC1000 takes both disposable and rechargeable batteries, it remains operational for as long as you need to use it. It even simplifies data upload processes — users simply place the MC1000 in its cradle or connect it via the USB client to transfer data to host systems.

Extending device life for long-term value

For many manufacturers, it's been easier to maintain manual processes than to risk investing in potentially obsolete technology. To support the device's initial affordability, Symbol designed the MC1000 to grow with your business, because we understand your need to get the most value possible from your mobile technology. Built on a flexible, open standards-based architecture, the MC1000 simplifies development efforts and gives you application flexibility to ensure your investments in both technology and processes are enhanced and extended as your business evolves. A Secure Digital (SD) slot allows for expanded memory or the addition of a third-party wireless networking card, further enhancing the flexibility and long-term value of the device.

Task frequency	Typical functions
Daily	Receiving in the morning Shipping in the afternoon Shop floor/line sequencing throughout the day
Weekly/monthly	Parts bin inventory checks Form filling and filing
Long-term	Asset management Equipment maintenance

Powered by the Microsoft Windows CE operating system, the MC1000 enables you to port legacy applications and create new applications to ensure scalability for future IT development. You'll also be able to easily add functionality as your needs change. For example, if you develop an MC1000 application to manage internal parts inventory, you might want to later use the application to integrate business partner applications. The MC1000 supports this additional functionality without the need to upgrade the device itself. The broad development support and the wide availability of development tools for the Windows CE platform give you greater choice in deploying applications capable of meeting the specific demands of your operations. This flexibility over the life of the device and in the development of applications can reduce your total cost of ownership.

Gain confidence with a full suite of services and support

Even the most rugged products need a support plan. Symbol covers every aspect of your mobility solution — from network design to ongoing operations — providing a breadth and depth of coverage designed to meet all of your services and support needs.

Symbol Enterprise Mobility Services offers:

• Professional planning, assessment and implementation services — the foundation of a successful solution.

• A global team with industry and product expertise, focused on Symbol product support.

• Responsive customer services, ensuring your solution operates reliably and efficiently.

Creating new efficiencies in manufacturing operations through mobility

The MC1000 is the ideal mobile computer for manufacturing operations needing to initiate a cost-effective move toward enterprise mobility. It improves your operational efficiencies by reducing manual errors associated with paper-based processes; it increases the productivity of individual employees through its simple functionality and rugged, ergonomic design; and it lowers the cost of operations and protects your technology investments by providing a high-performance hardware architecture designed for scalability and long device life.

For more information about the MC1000, please visit us on the Web at **www.symbol.com/mc1000** or contact us at +1.800.722.6234 or +1.631.738.2400.

About Symbol Technologies

Symbol Technologies, Inc., The Enterprise Mobility Company™, is a recognized worldwide leader in enterprise mobility, delivering products and solutions that capture, move and manage information in real time to and from the point of business activity. Symbol enterprise mobility solutions integrate advanced data capture products, radio frequency identification technology, mobile computing platforms, wireless infrastructure, mobility software and world-class services programs under the Symbol Enterprise Mobility Services brand. Symbol enterprise mobility products and solutions are proven to increase workforce productivity, reduce operating costs, drive operational efficiencies and realize competitive advantages for the world's leading companies. More information is available at **www.symbol.com**

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