OEM Embedded Solutions Overview

For over 28 years **Diamond Technologies** has provided data collection solutions that improve our customers' medical devices, analytical and lab instrumentation, AGV and robotic systems, kiosks and a range of other OEM systems and devices.

Our design and customer support engineering team can work as an extension to your engineering group to shorten your development schedule and optimize your solution.

We can customize any of our existing solutions to meet your specifications and support you from prototyping to production.

Our embedded data capture devices, vision systems, gateways and embedded computing modules lead the industry in accuracy, reliability, ease of integration and ease of use.

Whether you are designing systems which need identity verification, sample tracking, consumables authentication, or your goal is to increase throughput, or traceability, **Diamond Technologies** has the devices and the engineering support to ensure your success.

Diamond Technologies is part of the discoverIE plc global organization, which includes 30 operating companies and over 4500 employees across 20 countries. We provide innovative electronics and customized solutions which empower our OEM customer base.

Diamond Technologies RFID solutions eliminate the use of counterfeit disposables in testing and analysis systems.
Vision systems can also be used to identify differences in samples and/or incorrect packaging, and to validate lot and date code.
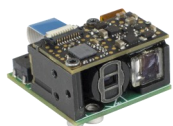
Diamond Technologies embedded barcode readers provide an easy to use positive customer interface experience. Numerous customer feedback options increase use and throughput of your kiosk or customer facing system. Our embedded controller gateway can be used for small machine control and bridging multiple communications interfaces or as a single interface to multiple barcode readers.

The table below provides examples of some of the most popular solutions. See **www.DiamondT.com** for additional solutions.
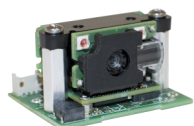
Embedded Data Capture

DE01 Scan Module, 1D, smallest in its class, wide beam scanning for test tube and long codes.

DE02 Scan Module, 2D, high motion tolerance, 30fps, small form factor.

DE03 Scan Module, 1D/2D, 1 Megapixel, 120fps, ultra small form factor, USB, RS232, UART

DE05 Scan Module, 1D/2D, integrated decode library, USB RS232 and UART output.

DE07 Scan Module, 1D/2D ultra slim, 1 mega pixel sensor, global shutter, RS232 USB and UART output.

DSE425x-M Scan Module, 1D/2D,high motion tolerance, cell phone scanning optimized, UART, or USB interface.

MIN-E-xRD Scan Module, 1D/2D, narrow space saving form factor, side cable entry, enclosure and board level models

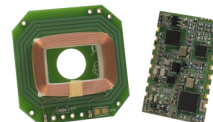**MIN-E-xEJ** Scan Module, 1D/2D,high motion tolerance, UART, USB, RS232.

DE23 Scan Module, 1D/2D, Serial interface, integrated beeper, integrated trigger, 30fps,

DE24 Scan Module, 1D/2D, Standard Ethernet or PoE connectivity, optional USB-C Power input

DE27 Scan Module, 1D/2D, 1 mega pixel sensor, global shutter, RS232, USB, UART

DT201 RFID Module, optimized for embedded low and high frequency RFID, UART, or USB interface.

OEM Handhelds

Creo XR hand held corded 1D/2D USB barcode and RFID scanner, 1MP resolution, High and Low RFID Frequencies, IP54, Antimicrobial surface

Creo 1D/2D hand held corded USB barcode scanner, perfect for OEM machine and system applications, healthcare features, IP54 rating, Antimicrobial surface

Gateways

DT7000 Embedded Controller gateway for small machine control and communications interface.

Embedded Vision

EVInspection Embedded vision inspection platform, customizable software, reads liquid levels, object detection, presence detection, impurity detection, and more.

Embedded Computing

i.MX 8M Plus Robust processing capacities in a compact form factor, high performance graphics and image processing

i.MX 8M Nano Robust processing capacities in a compact form factor, power-efficient for battery operated devices

Diamond Technologies
Getting data where it needs to be.