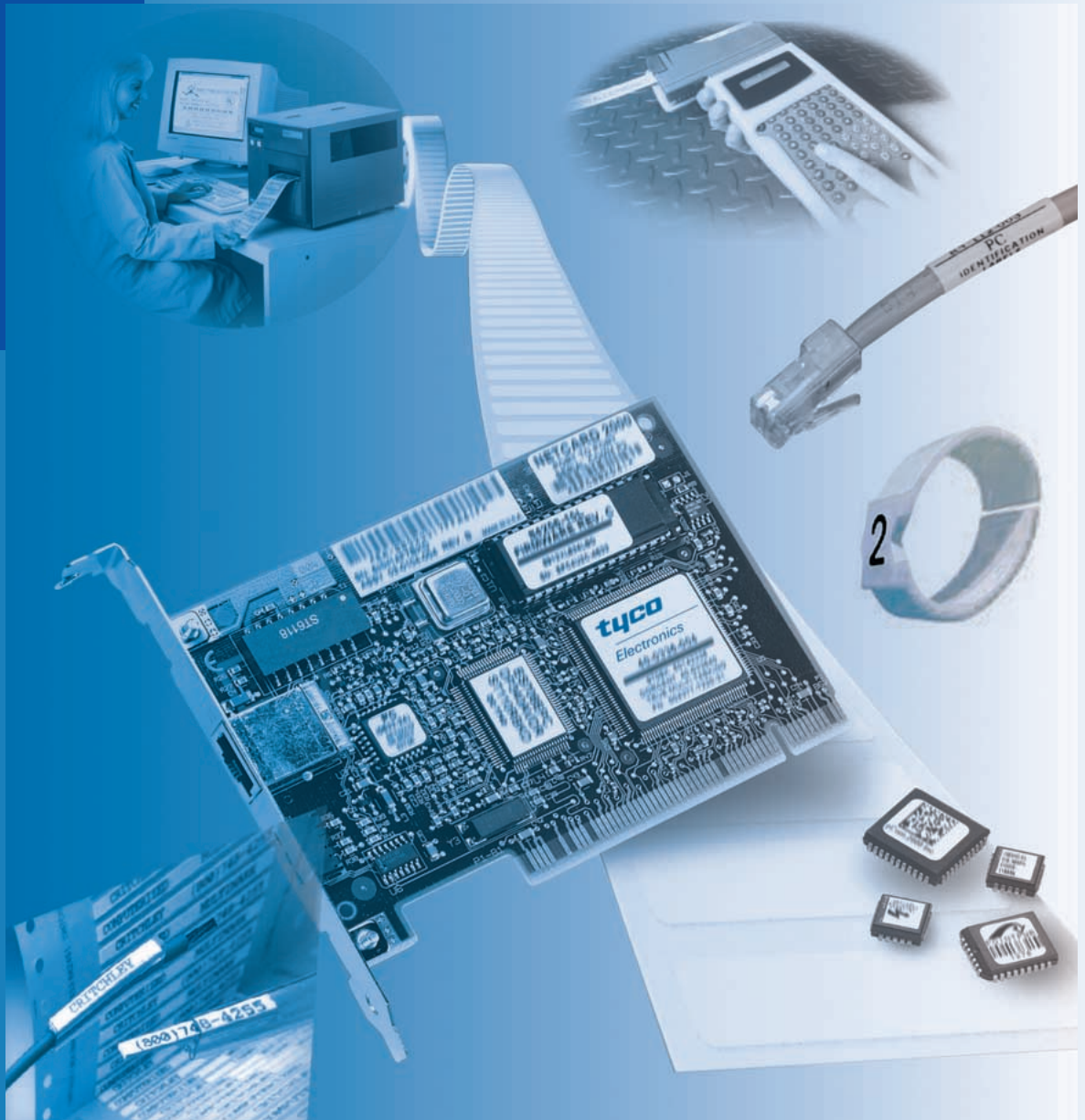


# ***Identification Solutions***



*Tyco Electronics Identification  
and Labelling – solutions for  
demanding industries*



*Electronics*



*Telecommunications*



*Aerospace*



*Rail*



*Defense / Marine*



*Mechanical and control engineering*



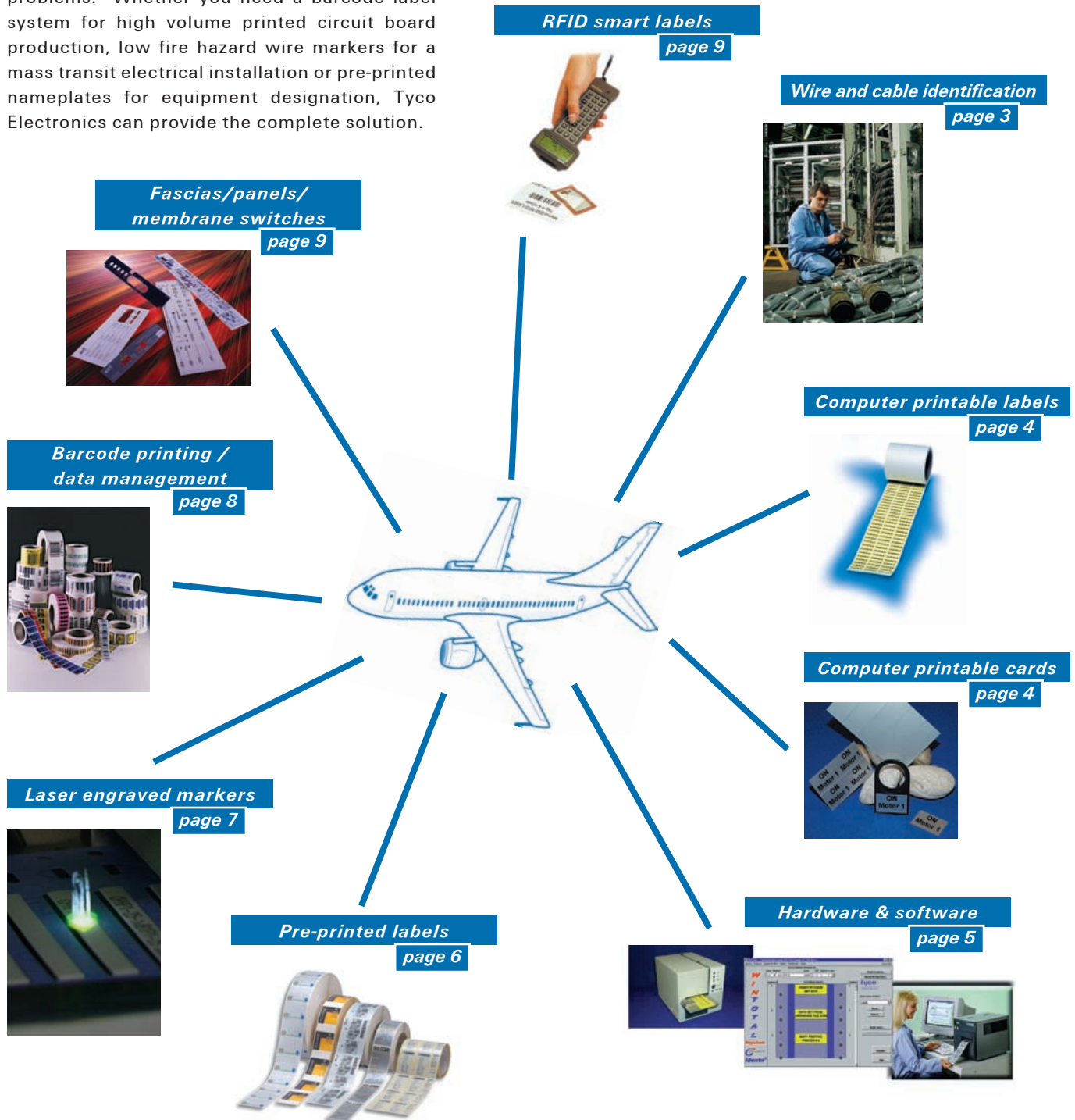
*Industrial / Infrastructure*



*Medical / Pharmaceutical*

## Tyco Electronics Identification & Labelling – The Complete Solution

We exist to solve your industrial identification problems. Whether you need a barcode label system for high volume printed circuit board production, low fire hazard wire markers for a mass transit electrical installation or pre-printed nameplates for equipment designation, Tyco Electronics can provide the complete solution.





## Wire and cable identification

Driven by the ever-increasing demands for maintenance, upgrade and traceability, wire and cable identification has become a vital consideration for any electrical system installation.

Tyco Electronics is a world leader in wire and cable identification solutions, offering a huge range of product formats. Most of these products are intended for on-site computer-based printing, but Tyco Electronics also offers pre-marked letter/number kits and pre-print services. Combining in-depth materials expertise, outstanding software/hardware systems and user-friendly design, our products are frequently regarded as industry benchmarks in terms of quality and performance.

Product capabilities include:

- ▲ Heat-shrinkable sleeves
- ▲ Tie-on cable markers
- ▲ Self-laminating wraparound labels
- ▲ Cloth wire flag labels
- ▲ Insert markers
- ▲ Panel and terminal markers
- ▲ Fully qualified and integrated software/hardware systems
- ▲ Portable systems
- ▲ Pre-marked letter/number kits
- ▲ Pre-print services



## Computer printable labels

These days, labels are found everywhere and carry increasingly complex and important information. More and more, industries are finding that on-site computer based printing is the best solution.

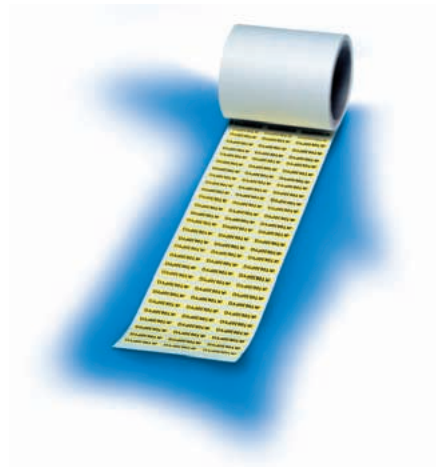
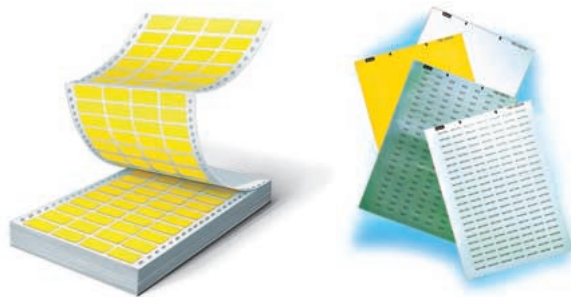
Tyco Electronics can supply a huge range of computer-printable labels made of high performance materials such as polyester, polyimide, polyamide and polyethylene.

Our materials have been carefully selected to provide long-term legibility and resistance to abrasion, solvents and temperature extremes.

We offer blank labels for:

- ▲ Thermal transfer printers
- ▲ Laser printers
- ▲ Dot matrix printers

We have a wide range of standard sizes/formats, but also specialize in rapidly producing products customized to your application.



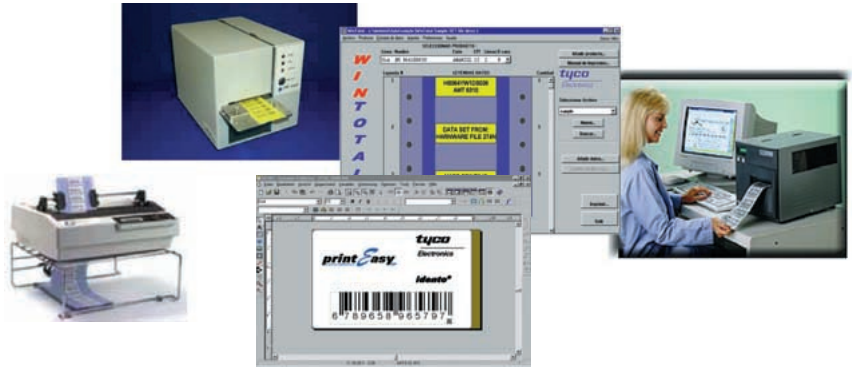
## Computer printable cards

Tyco Electronics provides a unique range of computer-printable plastic cards. Available in a wide range of sizes and shapes, these can often replace costly engraved signs. We offer several materials, with and without adhesive backing. And of course we provide the complete solution, including a thermal transfer card printer, ribbons and software.



## Hardware & software

Tyco Electronics offers a broad range of complete computer-based printing systems. Specially designed for fast, easy and flexible label design and just-in-time printing, your production will never be interrupted for lack of an label.



**Software:** We offer several label design and print software solutions, ranging from simple programs to powerful, fully-networkable applications. Highly visual on-screen printer simulation guarantees error free marker production.

- ▲ Easy to use, WYSIWYG, compatible with WINDOWS™ 3.11 and above
- ▲ Multiple languages available
- ▲ Access to different fonts, graphics and barcodes
- ▲ Able to read information from database and CAD files
- ▲ Variable text and graphic fields, sequential numbering/lettering
- ▲ Pre-loaded with standard Tyco products

**Printers:** We offer a wide range of printers, from simple portable units to fully integrated laser marking systems. Our dot matrix and thermal transfer printers have been selected for economy, quality and productivity. So we can always provide the best solution for your application.

Full service is part of our business:

- ▲ Objective advice
- ▲ Wide range of standard solutions
- ▲ Custom made products for special applications
- ▲ Fully qualified material - ribbon combinations
- ▲ Accessories (cutters, rewinders, scanners, etc.) to optimize your system
- ▲ Full hardware and software installation and training
- ▲ Technical support and after-sales service





## Pre-printed labels

We make labels, so you don't have to! If you prefer to have labels printed by us, just call.

Product identification, asset marking, warning labels. Whatever your need for pre-printed labels Tyco Electronics will offer an effective solution.

We maintain an extensive database listing the performance of material/print process combinations, and continually research improved products. Our factories are equipped with a wide range of printing processes, including silk screen, flexographic, hot foil, letterpress, thermal transfer and ion deposition. So we can select the optimum materials and methods for your application quickly and efficiently.



Particular capabilities include:

- ▲ High and low temperature materials
- ▲ Special adhesives
- ▲ Over-laminated labels for extra solvent and abrasion resistance
- ▲ Color matching
- ▲ UL/CSA approved combinations
- ▲ Labels for automatic dispensing
- ▲ Labels for computer overprinting of variable data

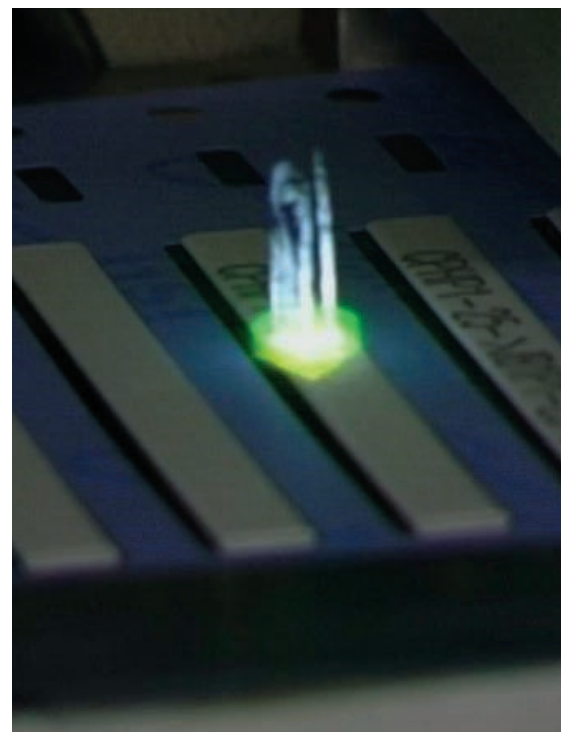


## Laser engraved markers

Tyco Electronics specializes in producing laser engraved labels and markers. With no hard tooling required, this process provides the ultimate in rapid prototyping and response. E-mail your data to us and we'll do the rest! Our in-house software systems can handle graphics/logos, alphanumeric data and also produce incredibly precise barcodes. And we'll manage your database so you don't have the headache. We'll deliver your labels/markers pre-kitted in just the order you want them, ready for immediate installation.

Laser engraving also provides outstanding mark permanence, suitable for the harshest environments. We can select from a wide variety of materials and formats including acrylic laminated labels, rigid PVC markers, aluminium foils, stainless steel tags and heat-shrinkable sleeves. All materials have been specially selected for excellent laser markability.

Tell us about your identification problem and we'll tell you the solution.





## Barcode printing / data management

Tyco Electronics is a leader in pre-printed barcode labels.

For short runs, long runs, harsh environments, colors or graphics, Tyco Electronics will engineer a custom barcode label solution to meet the needs of your specific application. Using electronic printing technology, we can print sequential bar codes or print from a database of information that you provide. Our internal systems can track your sequence numbers for you so we guarantee no duplicate numbers. We also offer flexographic and hot stamp capabilities to add colors, graphics, varnish, and laminations to your label.

Whether you need harsh environment labels or just don't have the time or resources to print labels in-house, you can depend on Tyco Electronics to deliver your pre-printed labels where and when you need them.



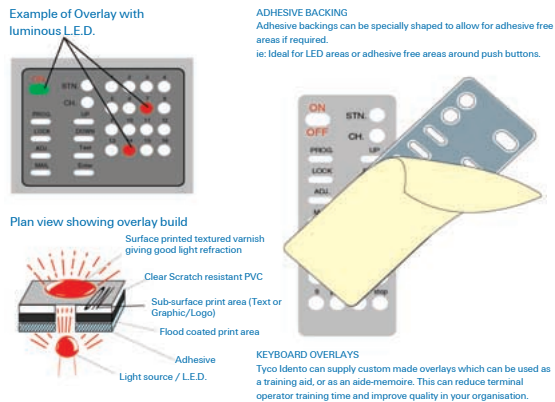
Common applications that use pre-printed barcode labels include:

- ▲ Circuit board and component marking
- ▲ Laboratory sample identification
- ▲ Warehouse storage marking
- ▲ Pallet/case IDs (LPNs)
- ▲ Fixed asset tracking
- ▲ Records management
- ▲ Harsh environment situations

## Fascias/panels/ membrane switches

Tyco Electronics produces screen printed solutions for the nameplate industry – control panels, overlays, fascias and membrane switches. These products are manufactured from a selection of materials with gloss or textured finishes, various thicknesses and backed, where necessary, with an appropriate adhesive system.

Specific requirements such as UL/CSA approval, extended life and UV resistance can be achieved with the correct material and



production process selection. And our automated production methods mean we can effectively manufacture for both high and low volume applications.

We can also offer cost effective and reliable overlays for light deflexion of LEDs using a selective texturing varnish process. Adhesive backed overlays provide long lasting and professional fascias for all manner of electronic devices. And of course we'll customize our products to your application.



## RFID smart labels

Radio Frequency Identification (RFID) is an exciting new technology. Employing passive transponders/antennae laminated within labels, data can be written, re-written and read with no line of sight needed. Typical applications include service record maintenance, inventory tracking and security control.

Tyco Electronics has developed a full RFID "smart label" capability:

- ▲ Smart label production
- ▲ Smart labels for use on metal surfaces
- ▲ Integrated print/write/read systems
- ▲ Software interfaces







*You will find us all over  
the world...*



[www.idento.com](http://www.idento.com)

With access to a huge range of product formats, world-leading materials technologies and leading edge software/printer offerings, our application engineers can provide the most efficient solution possible to your on-site identification needs. Alternatively, let us deliver preprinted labels or markers directly to your factory. We can do the entire job from selecting the best material to managing your label design and data real-time.

Tyco Electronics Identification & Labelling has manufacturing facilities worldwide, equipped with a

very wide range of production processes. This broad manufacturing capability allows us to select the very best process for each application, and hence provide top quality products with fast and reliable delivery times. We are committed to industry-leading quality and service!

And with Tyco Electronics unparalleled worldwide reach you can be sure we will always be there with technical support and excellent logistics, no matter where you are located.

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