



**Manufacturer and designer of innovative interconnect solutions**

**NICOMATIC in a few words :**

**INNOVATION  
HIGH QUALITY**

NICOMATIC was created in 1976. It is a private owned French SME with 170 employees

**CUSTOM DESIGN  
QUALITY PRODUCTS**

Leading company for defense, avionics, space, and industry

**WORLD WIDE PRESENCE  
REACTIVITY**

Subsidiaries in USA, Brazil, China and India  
Network distribution in more than 20 countries

**EXPERTISE  
IN HOUSE PRODUCTION**

Manufacturer and designer of connectors and metal domes in switching technology

**INTERNATIONAL  
ENGINEERING**

Turnover 2008 : estimated 18.2 million €  
80% in export, 15% in R&D & production equipment

**MANUFACTURER  
RELIABILITY**

NICOMATIC France is certified ISO 9001 : 2000  
Compliance with MIL -DTL-55302F & BS-9525-F0033  
soon EN9100

**NICOMATIC** is member of :





Manufacturer and designer of innovative interconnect solutions

NICOMATIC designs and manufactures innovative interconnect solutions and is a leading manufacturer in the metal dome switching technology. The company positions itself as a supplier to the worldwide electronic industry for applications ranging from consumer products to the high-tech sectors.

NICOMATIC is today in a leadership position in connectors, especially in the military and avionics field and a recognized supplier for membrane switch manufacturers.

## History

From its origin in 1976 as a micro screw machining company, NICOMATIC has taken advantage of its precision know-how to specialize in electronic connector developments. In recent years, the NICOMATIC brand became a reference in harsh environments mainly used in aerospace & defence on-board electronics.

The company also diversified its activities to become today one of the biggest metal dome manufacturers in the world, serving both consumer markets such as mobile phone makers and niche markets such as membrane switch specialists.

NICOMATIC passive components (both connectors and domes) can be found in household appliances, defence, communication, medical, aerospace... Thanks to its portfolio complementarity, these spare parts fit together to make up the interconnection system for a car's dashboard, a dishwasher, a factory robot, a DVD player, or any of a wide variety of other applications. They are the interface between electronic cards.

NICOMATIC, listed on the EuroNext French stock-exchange since November 25th 1997, was established in 1976 in the precision screw-machining industry by Paul Nicollin, engineer in mechanics. His son, Olivier Nicollin, is now Chairman of the company.

NICOMATIC has seen steady growth for the last few years. The company has positioned itself on the world markets in three fast growing and value added product ranges: **Crimflex®** connectors, which is an new system of crimping contacts by piercing in 6 points used in automation systems , **SWITCH'AIR®** domes, components for electric household and other appliances such as control panels or mobile phones and **CMM micro-connectors** for defence, avionics and severe conditions.

NICOMATIC has an international network of distributors and partners. In 1998, Nicomatic opened subsidiaries in the USA & South Korea. In addition, Nicomatic has opened a subsidiary in Brazil in year 2001. Nicomatic China is the most recent subsidiary with an opening in September 2005.

## Product Portfolio

NICOMATIC offers a wide range of interconnect and metal dome switching solutions:

- **CRIMPFLEX® connectors for flexible circuits:**

Recognized for the patented **CRIMPFLEX®** interconnect system at a pitch of 2.54 mm and the brand new 1.27 mm pitch, NICOMATIC is a world leader in innovative crimp connectors and FFC jumper cables.

Through innovation and a true understanding of today's customer needs, NICOMATIC is well positioned to be the manufacturer of choice for all styles of Flat Flexible Cables (FFC), Flexcable jumpers, Hi-Flex female contacts, male pins & solder-tabs, standard or more specific housings (latching, detent, dual row, low profile etc.), and crimping machines.

⇒ Connectors for flexible circuits ensure excellent mechanical retention and electrical contact with a much reduced contact resistance thanks to a crimping of the contacts obtained by piercing the conductor in 6 points (the **CRIMPFLEX®** interconnect system).



- **Connectors for printed circuit boards : custom design by NICOMATIC**

NICOMATIC, rich of its experience in interconnect solutions, developed a large range of connectors, SMD female connectors, sockets, male headers and SMD test terminals. By acquiring know-how as a subcontractor first and then as a manufacturer from 1987, NICOMATIC became a worldwide leader in connector design and manufacture for the electronic industry. Thanks to internal developments and a global sales network put in place over the last fifteen years, NICOMATIC is able to satisfy all types of customers' requirements by customizing its products.

⇒ The electronic sector is constantly looking for miniaturisation and versatility and is demanding high quality passive components at the same time. In order to answer these needs and meet such requirements, the NICOMATIC Group constantly invests in R&D to reach a high level of innovation and performance.

⇒ The NICOMATIC permanent innovation has been recognized and labeled as "highly Innovative" by the European Union. The in-house production and assembly capacity gives the opportunity to create customized products : stamping, bending, micro-screw machining, laser cut, CNC, specific machinery development, clean room, measure and test lab. Fully integrated industrial company, Nicomatic can reduce risks, secure development and achieve the solution that will make the difference on the market.

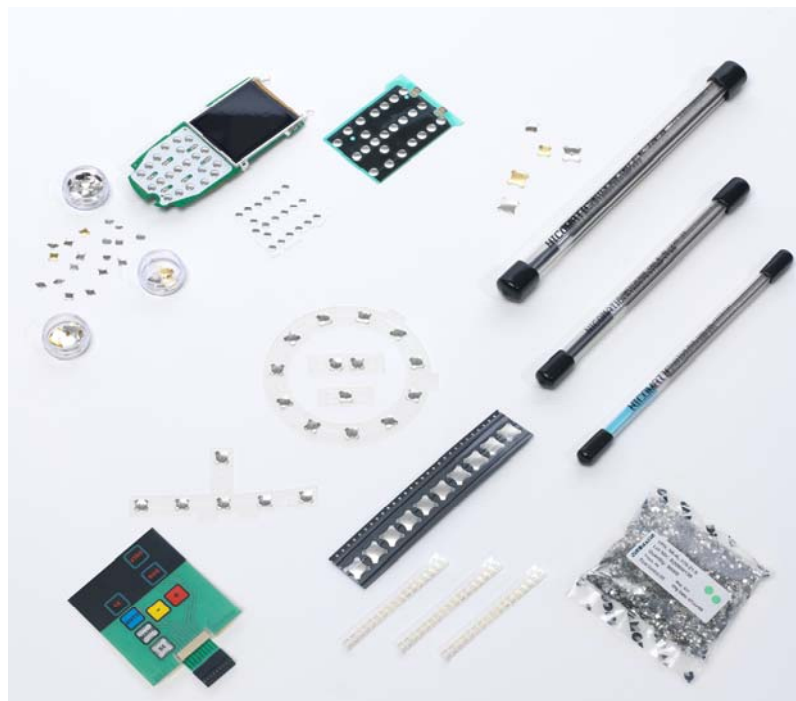


- **Domes and arrays of domes:**

The metal dome switching technology is used in any type of man-machine interface. Nicomatic metal domes have been patented & are known under the trade name **SWITCH'AIR®** all over the world in applications such as mobile phone handsets, electronic devices such as calculators or computer mice, industrial apparatus (command systems, machine control panels), automotive (GPS, remote control for car seats or windows...)

Our range of products includes four-legged, round & double-radius domes in a wide range of activation forces and sizes (4, 5, 6, 8.4, 10, 12.2 mm diameters).

⇒ Metal domes offer a very reliable technology, with good mechanical and electrical specification and significant improvements. Metal domes are used in more and more man machine interface products every year. The **SWITCH'AIR®** domes, patented by NICOMATIC, offer cost and space savings, allow a better productivity and reduce risk of dome sticking.



- **CMM micro-connectors:**

2 mm pitch miniature connectors offering a large combination possibility for contacts with an integral locking mechanism and a high temperature insulator developed for the aerospace, defence, instrumentation & control, medical and transportation applications. They can be used under the most extreme environmental conditions.

Available in board-to-board, board-to-wire and wire-to-wire, the so called **CMM** (“Connecteur Micro-Millimétrique”) benefits from the option of a mixed layout, giving the designer a choice of high frequency, high power, and low frequency configurations in one connector.

⇒ **CMM Micro connectors** save up to 60% of space compared to traditional connectors, offer high resistance under extreme conditions of use, like high temperatures or vibrations. These connectors also provide a cost effective method by offering mixed layout combinations with signal (Low Frequency), power (High Power) and frequency (High Frequency) contacts in the same connector.

