



# **MARSILLI**



## **Company presentation**

# How we became Solution Provider

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## Nowadays

Marsilli has been in the market for **over 80 years** standing out for its research and technological innovations. This has allowed the company to reach a global consolidated position as a **Solution Provider for Factory Automation** for various industries such as automotive, appliances, power tools, aviation, HVAC, electromechanical applications, RFID, consumer electronics, and more.

Marsilli has developed cutting edge expertise in all the assembly processes that have a winding phase as their core and is able to provide solutions ranging from stand alone to semiautomatic machines to fully automatic lines.

Today Marsilli is a **worldwide leader in Winding & Assembly Systems for coils and motors** where precision, flexibility and customization are mandatory.

Designing, assembling and delivering equipment with unique passion, Marsilli provides completely reliable solutions together with stunning quality.



1938 | 1970

Founded in 1938 as a stand alone winding machine manufacturer, since 1970 Marsilli has introduced semi-automatic processes.

1970 | 1980

New generation of linear single spindle machines with a programmable winding process.

1980 | 1990

Multi spindle machines controlled by a CNC Control. Automatic wire wrapping on the terminal.

1990 | 2000

The multispindle winding machine is connected to the pallet transport system for the simple operations before and after winding.

2000 | 2010

Fully automatic production systems for wound components, which embeds preparing, winding and finishing operations.

# Our complete portfolio

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## Stand alone machines



Marsilli stand alone machines are designed to produce wound components that are suitable for any coil and motor related application.

Based on many years of experience, our stand alone machines stand out for their robustness, reliability and versatility.

The work cycle can easily be modified and saved with absolute repeatability of the operations and accurate positioning time after time.

## Semi automatic systems



When production needs do not require completely automatic solutions and one or several operators work on the system, Marsilli can provide a wide range of customized solutions such as small production systems, rotary dials, independent production modules. This choice allows you to achieve a great compromise between investment and production output.

## Lines and high performance systems



Over the years we have developed a very high level of expertise in the realization of automatic systems for the production of wound components for the coil and motor market.

The winding station is always the core and can be spindle, flyer, or needle winding technology. Around it, we develop the other operating units, such as preparing, finishing, testing, and assembling.

We design and build the system together with you, following your production and traceability needs and achieving the complete customization.

# We know how

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## Coil winding

Marsilli has been manufacturing and distributing thousands of systems that use its outstanding quality Coil Winding technology as the core.

It includes two main categories that are based on the configuration of the product and the different production methods: spindle winding and flyer winding.

The winding process is executed on several spindles simultaneously which work in parallel on the same machine.

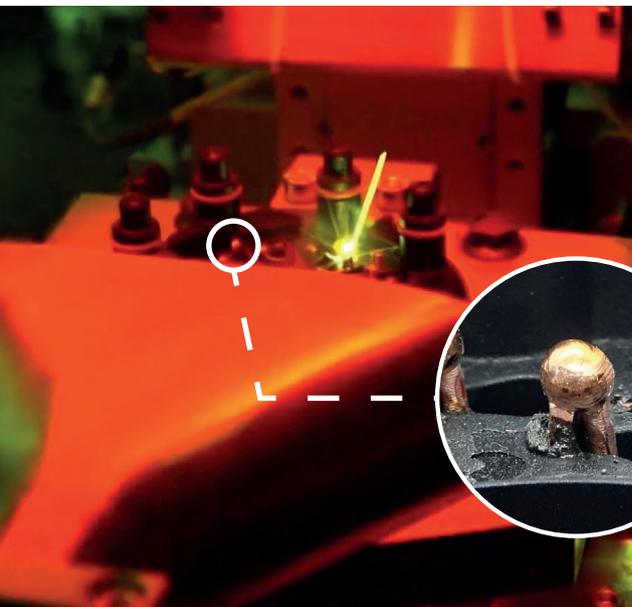
In fact, our product portfolio includes machines and systems that go from a single spindle up to 24 spindles. Marsilli produces a wide range of multi-spindle and multi-flyer machines, using wire size from 0,02 to 2,5 mm and up to 25.000 RPM.

## Motor winding

Marsilli has achieved a high standing and global recognition in motor winding technology thanks to its capability to be one of the most innovative players in the industry which is going through an extraordinary phase of revolution and success.

To support motor manufacturers who are moving towards a new generation of BLDC stators, Marsilli has several different winding methods, some of which have been developed from our experience in the coil winding industry, such as spindle winding and flyer winding, other methods have been developed specifically for motor winding, such as needle winding on open stators or needle winding on closed stators.





## Wire connection

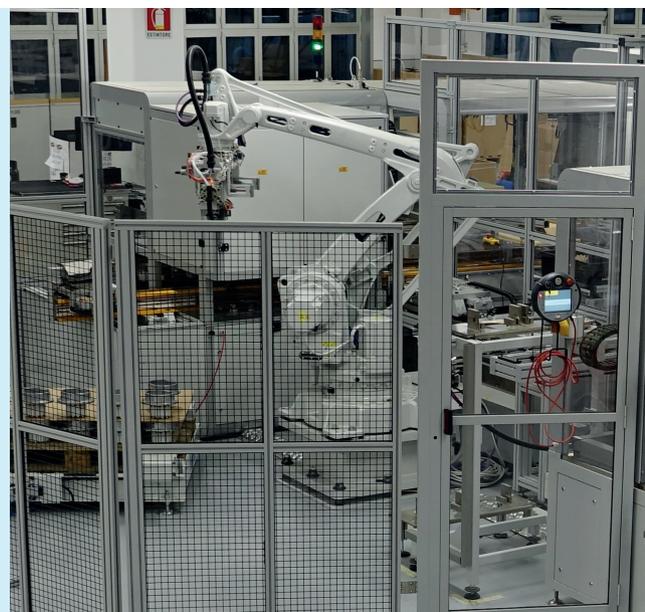
Marsilli has thirty years of experience using the fundamental process of welding copper wire to the terminal.

Over the years technology has evolved and much of it has been developed internally thus achieving optimum results both for performance and traceability. Today the choice of the technology to use is given by taking many parameters into consideration.

This process is so important that at Marsilli today there are people with long standing experience who deal specifically with welding and the lab tests needed to define the most appropriate method to subsequently apply in production.

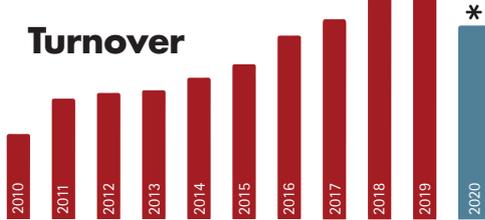
## Automation technologies

From the first semi automatic lines for coil assembly in the early eighties to today's complex systems many things have changes and certainly some of the things are the number of processes and operations used. In addition of course to the transport of parts, which alone would need to be described separately for its outstanding quality and flexibility, our systems include a huge amount of operations that depend on the peculiarities of the product to be executed.



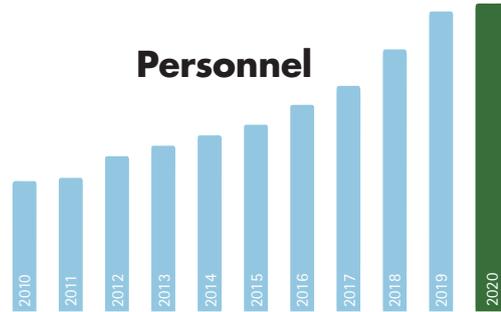
# Facts and figures

## Turnover



*\*Despite to the turnover reduction, the travel cancellation, the temporary layoff paid by the government, and an even more attention on operation management gave to Marsilli a positive marginality for the 2020.*

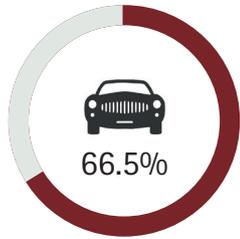
## Personnel



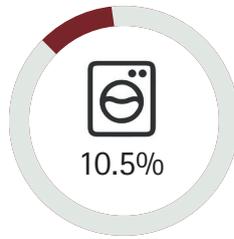
The 'Big Marsilli family', as we like to call it, is made up of a growing number of people with expertise, know how, experience, motivation and vision. The development of new technologies and complex solutions requires the commitment of a large and close-knit group of people.

## Think global Act local

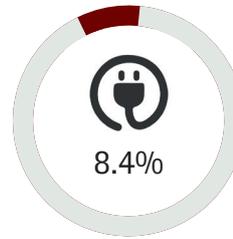




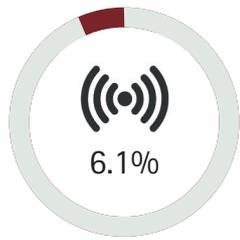
**Automotive**



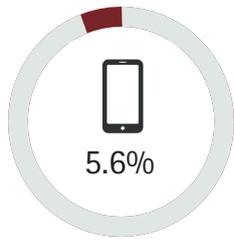
**Appliances**



**Electromechanical Applications**



**RFID**



**Consumer Electronics**



**Others**

## Our markets

MARSILLI's business is aimed at manufacturers who produce wound components which need precision, speed, reliability, traceability and process control during the production cycle, manufacturers who do not simply just need a standard product but a unique custom solution built for them.

## Our certifications

At Marsilli we consider the certification process as a privilege and we are proud to say that our company was a pioneer way back and we have had the ISO 9001 certification since 1994. Today Marsilli has expanded the process to all the areas that foresee certification, and the latest is Information Security (ISO/IEC 27001).



- **Quality Management System**  
Since 1994 certified ISO 9001
- **Environmental Management System**  
Since 2010 certified ISO14001:2004
- **Safety Management Systems**  
Since 2013 certified OHSAS 18001
- **Information Data Security**  
Since 2015 certified ISO27001



- **Company financials**  
Certified Since 1995

# Our Competence Centres

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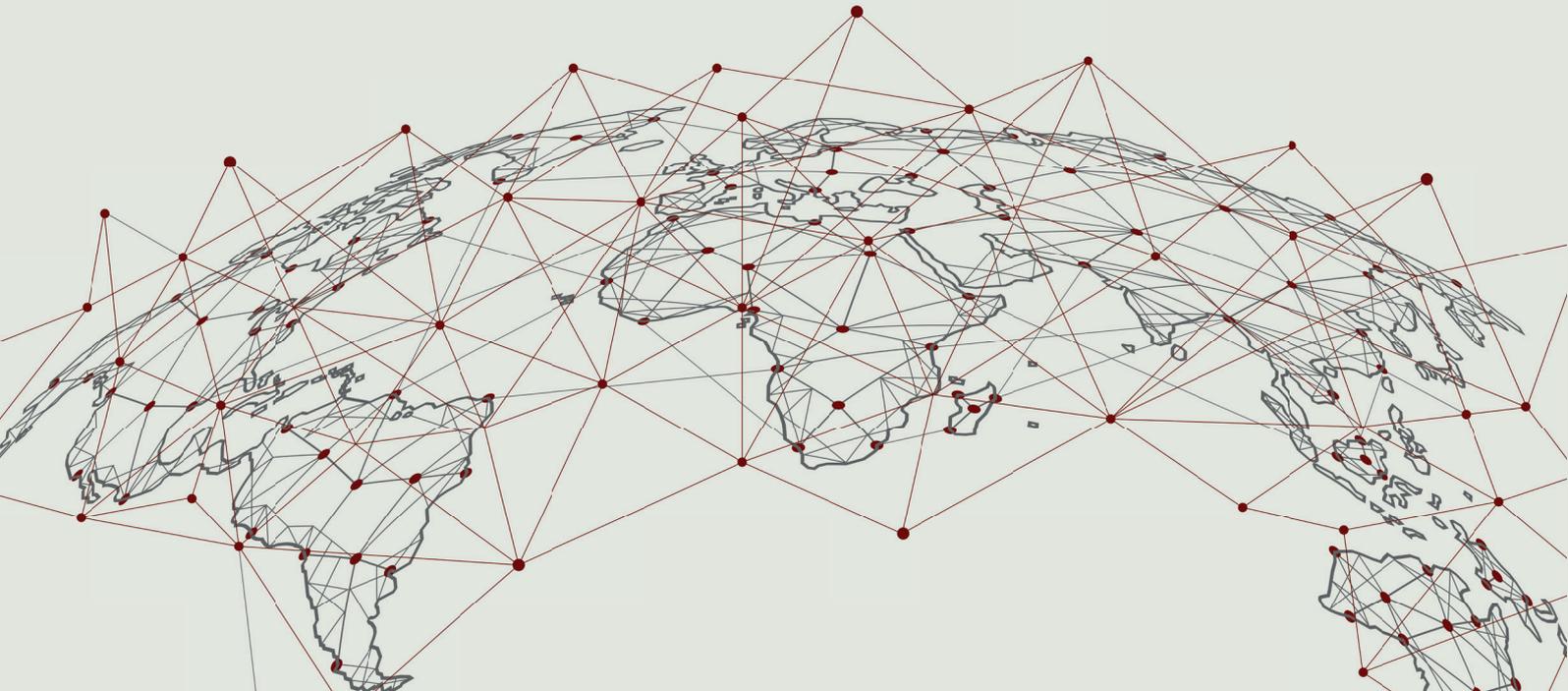
We do all our best to follow our customers closely, so close that we have opened subsidiaries exactly where our customers have their production sites: United States, Mexico, India, Germany and China.

But "subsidiary" does not fully describe them. They are more Competence Centres: they are close to your home and they can offer all services that you may need thanks to their local experts and the direct contact with our Headquarters in Italy.

They are gateways, thanks to which you can exchange information, expertise and technologies with our specialists from every part of the world at all times.

We have a laboratory in every Competence Centre, called LabLink, which is constantly in contact with our main laboratory in Italy in order to provide the same quality level all around the world.

**We have never been so close.**



## **Marsilli S.p.A.**

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