

ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

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UCIMU-SISTEMI PER PRODURRE



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A SUCCESSFUL PARTNERSHIP BETWEEN RALC ITALIA AND SIEMENS

Ralc Italia Srl deals with the **design, construction and installation of full automatic industrial machines.**

Founded by the current owner and CEO Andrea Lazzarini in 1990, Ralc Italia offers a wide range of machines, both standard and special, **for processing tubes, bars, and profiles made of steel, copper, brass and aluminum.** Ralc Italia has a long tradition in the **refrigeration sector**, for which it can offer not only **orbital cutting lines, end forming, punching and bending machines, but also a special CNC machine for producing conveyors for heat exchangers.** This machine was patented and is today **diffused among the most important companies in the HVAC industry.**

During its over **thirty years of experience**, Ralc Italia has also acquired **two important companies**, known in the market for the construction of industrial machines for **processing ferrous and non-ferrous metals**, specifically **machining centers and blade saws.**

With these acquisitions, Ralc Italia has internalized the technical expertise relating to standard machinery and has thus responded to the need, increasingly present on the market, to obtain a **finished product**: over the last years, Ralc Italia's core business has been indeed the construction of **hybrid lines**, consisting of **cutting lines Conni Cutting Lines**, a brand founded in 1965 and belonging to Ralc Italia since 2011, and other machinery typical of the traditional competence of Ralc Italia: chamfering / deburring, marking, drilling or punching, systems of control of various types (length, straightness, homogeneity, surface, roundness, etc. ...).



The partnership between Ralc Italia and Siemens started a long time ago, indeed, many of Ralc Italia technologies are based on Siemens products. Ralc Italia is going to equip its machines with the latest SIEMENS' CNC, the **"SINUMERIK ONE"**. This new generation of CNC is developed to be the fulcrum of the Siemens digital platform in machine tool sector. It allows you to express the maximum potential of digitalization, in a sustainable faster and safer way, to optimize productivity and create a new way of designing. The digitalization is pervading not only in our daily life but also the machine tool supply chain. So, it needed to adapt the sector at the new market requires.

Thanks to “**Sinumerik ONE**” and its applications like Digital Twin, it is possible to create and test the CNC, the machine and production process before to have the machine physically. So, every important process can be simulated and optimized before to build the machine. Thanks also to “Create My Virtual Machine” and “Run My Virtual Machine” software’s, it is possible to have 8 levels of digital twin according to the OEM and END USER needs. A new way of designing, selling and using machine tools was born. The digital twin is no longer a simple option of the machine tool, but an effective and sustainable tool of competitiveness for the same manufacturer and user.

Other benefit and services that can help the manufacturer and end user are evaluation or solve anomalies remotely, testing working program, create a tool list and verify the real time of workpiece machining, avoid collision during the engineering of machine, training of new operator without to use the real machine etc. All these activities can be done remotely, saving time, risks, costs and resources, supporting also a sustainable progress.

Ralc Italia has always found in Siemens a valid partner to complete and support its know-how by offering the right solution to market demands. Ralc Italia is also one of first companies to be registered on the “**SINUMERIK Machine Compass**” global portal of SIEMENS.

Nowadays, Ralc Italia has modern facility that includes a team of 40 high qualified employees, like engineers, technicians and managers for development and manufacturing of the standard and customized machines, as well as the developing of new technologies. In fact, Ralc Italia **internally manages the programming of robots** and can offer 3, 4 and 5-axis machining centers with or without automatic loading and unloading and combined with units such as punching machines, marking machines or other processing units.

The main fields of application are the **automotive, furnishings, refrigeration, construction**, although the **great flexibility** allows Ralc Italia to adapt its applications to **any sector**.

For information: www.ralcitalia.com - info@ralcitalia.com



The project Piattaforma India has been promoted by UCIMU – Association of Italian Machine Tools Manufacturers and AMAPLAST – Italian Plastics and Rubber Processing Machinery and Moulds Manufacturers Association. The two associations agreed on the idea that promoting a network of associations and entrepreneurs who have developed knowledge and experience on the Indian market, can be useful in favoring of new paths of development for business. The Indian companies who are interested to form JV, cooperation, technical tie up, purchase machinery etc from/with Italian companies can contact below mentioned address for any assistance:

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