

ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

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PIATTAFORMA INDIA PROJECT

NEWSLETTER NO. 86



UCIMU-SISTEMI PER PRODURRE



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SIEMENS



GIUSEPPE GIANA AND SIEMENS FROM VIRTUAL TO REAL

Giuseppe GIANA srl works from more than 30 years in the machine tools industry. The company stands as a well-established presence in the market, known for pioneering technological innovations. Fueled by a commitment to excellence, it is set on ambitious goals for the future, driving sustainable growth and maintaining our position as an industry leader.

In addition to the many technologies that the company offers, **Giuseppe GIANA** cooperates for a long time with the largest automation and CNC supplier in machine tool field, such as **SIEMENS** Company.

SIEMENS is a leader company in all technology areas, first developing Software and Hardware and then testing in its own production sites, without ever losing sight of the issue **sustainability**.

SIEMENS supported **Giuseppe GIANA** to equip with “**SINUMERIK ONE**” the most flexible and multitasking machine tools series, the **GGTRONIC**.



The **GGTRONIC** series is engineered to machine medium and large workpieces, the machine is able to load up to 200 tons and have turning diameter up to 5.500 mm without affecting machining quality, reliability and safety.

The **GGTRONIC** series focuses on the flexibility of machine tool customization, in fact, it is able to include different technologies such as turning, milling, boring and grinding, so that any machining requirement can be fulfilled in a single machine tool.

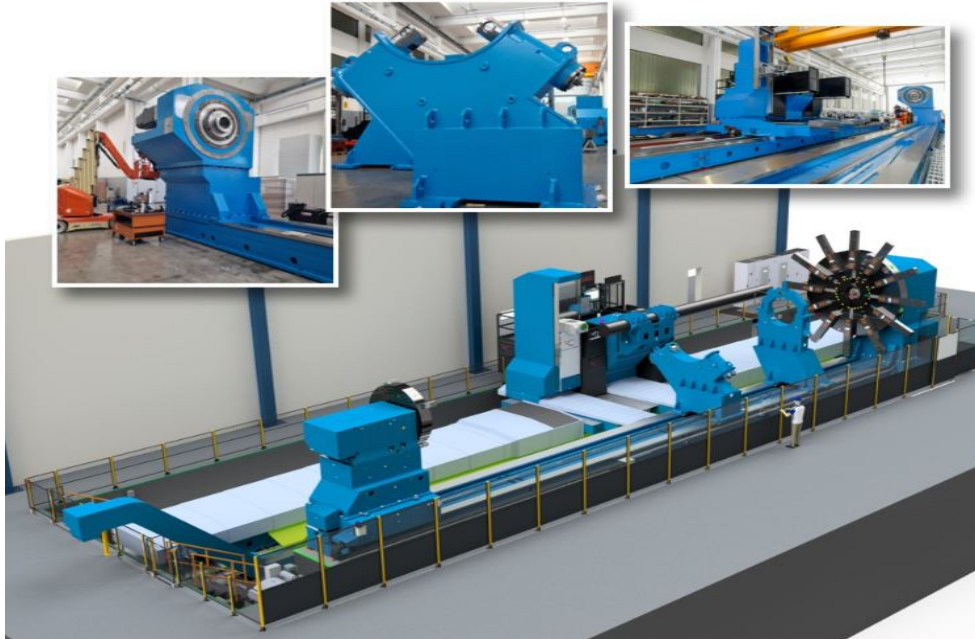
The **GGTRONIC** series has a wide range of application fields and can be used not only in general mechanical engineering, but also in sectors such as energy, aeronautics, shipyard, oil & gas, etc.

Now, The **GGTRONIC** series can be equipped with last generation Siemens CNC “**SINUMERIK ONE**” in order to enhance its feature units, machining performances and make the complete engineering process more sustainable thanks to **Digital Twin**.

Nowadays, demands to make machine tools and manufacturing plants smart, sustainable and safety, are increasing. **SIEMENS** already offers a dedicate digitalization portfolio based on its **Xcelerator** platform.

MACHINUM is the section where it is possible to find a wide range of software and hardware solution to make one or more machine tools smart and sustainable, all managed from a single server.

GGTRONIC from VIRTUAL to REAL



For further information: <https://www.giana.it/> e-mail: giana@giana.it

“**SINUMERIK ONE**” and its digital native, is the confirmation that **SIEMENS** desires to once again be at the forefront of digitalization. The latest CNC enables seamless interaction between virtual and real world for significantly increased productivity in the production and use of machine tools. “**SINUMERIK ONE**” offers **8** different levels of digital twin, **4** for machine builders through software application “**Create myVirtual Machine**” and **4** for the end users through “**Run myVirtual Machine**” software.

“**SINUMERIK ONE**” and its native digital twin, enable machine tool builders and end users to be more sustainable, to contribute in decarbonization, to reduce energy consumption, time and waste of resources by using dedicated software to create the digital twin of the machine tool.

The digital benefits of the machine builders are a lot, in addition to engineering the machine remotely, the OEM can develop and tests PLC, the Safety's program machine data, cycles, operative surface and simulation. All operations can carry out in parallel by all engineers simultaneously, forgetting the old serial approach, which involved finishing one process and starting the next.

On the end-user's side, digital benefits are equally important; such as testing part program in the office before, checking the eventual collisions between tool and workpiece, getting information on the work schedule, to know the complete tool list required for the part program of the machine, 3D drawing and all the information needed to safely complete the machining, as everything has been tested in the technical office on the machine's digital twin on the shop floor.



SIEMENS has a complete and modular range capable to meet all requirements of the machine tool market.

For further information: <https://www.siemens.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:

Contact information of Piattaforma India desk:

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