

ITALIAN MACHINE TOOLS, ROBOTICS & AUTOMATION INDUSTRY ~ NEWS

June 2023

PIATTAFORMA INDIA PROJECT

NEWSLETTER NO. 80



UCIMU-SISTEMI PER PRODURRE



Need Buyer Credit Finance to buy machine?

We can help you!

please write to us – italianmachinery@indiaitaly.com

SIEMENS

THE FIRST CNC SUPPLIER FOR THE ITALIAN MACHINE TOOL MANUFACTURERS

SIEMENS Italy contributes to the country's development for more than 120 years. Our technology is the milestone of the infrastructure and industry that drive the Italian economy. Nowadays **SIEMENS** drives forward digital transformation in the machine tool industry with a brand new Sinumerik generation.

SINUMERIK ONE enables seamless interaction between virtual and real world for significantly increased productivity in the production and use of machine tools. The new CNC has a calculation speed 10 times faster than the previous model and a dedicated software to create the digital twin of the machine tool.

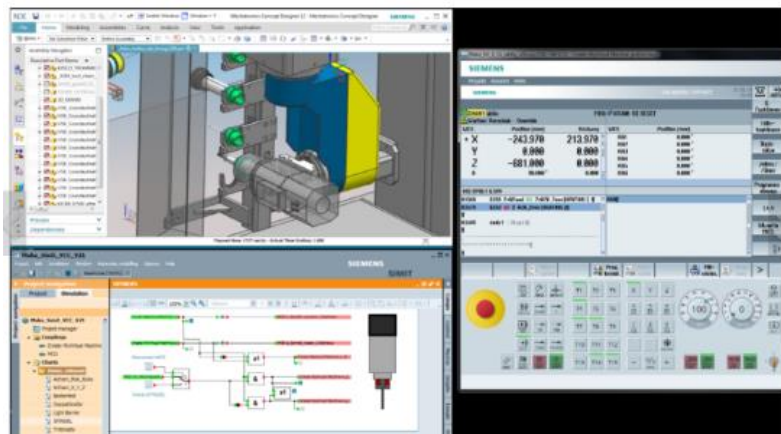
SINUMERIK ONE is the first choice for the sector application like, Automotive, Energy, Oil&Gas, Railway, Steel, Oil, Paper, Shipyard, Aerospace, Heavy industries and other. The Italian machine tool manufactures find all their expecting features from new generation of CNC.



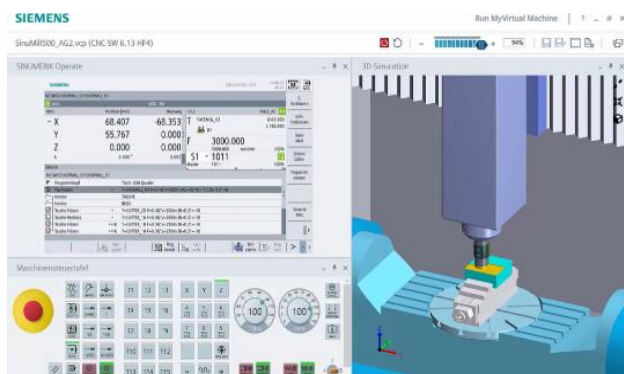
This latest CNC and its native digital twin, allowing machine tool builders and end users to be more sustainable, to contribute in decarbonization, reducing energy consumption, time and wasted resources by using dedicated software to create the digital twin of the machine tool.

SINUMERIK ONE offers 8 different levels of digital twin, 4 for machine builders through application software “**Create myVirtual Machine**” and 4 for the end users through application software “**Run myVirtual Machine**”.

The full version of the “**Create myVirtual Machine**” allows machine tool builders to have a digital copy of the machine tool, and starting in parallel the engineering of the PLC, safety program machine data, cycles, operating surface and axis simulation, collision avoidance, etc. So, every important process can be simulated, tested and optimized before building the machine physically. All engineers can develop their work forgetting the old serial approach of finishing one process and starting the next. All of these activities can be done remotely of course, avoiding error and the consequent risk of wrong purchases, modification parts, re-programming, loss of time and additional costs.



Create MyVirtual Machine /SIMIT Connector

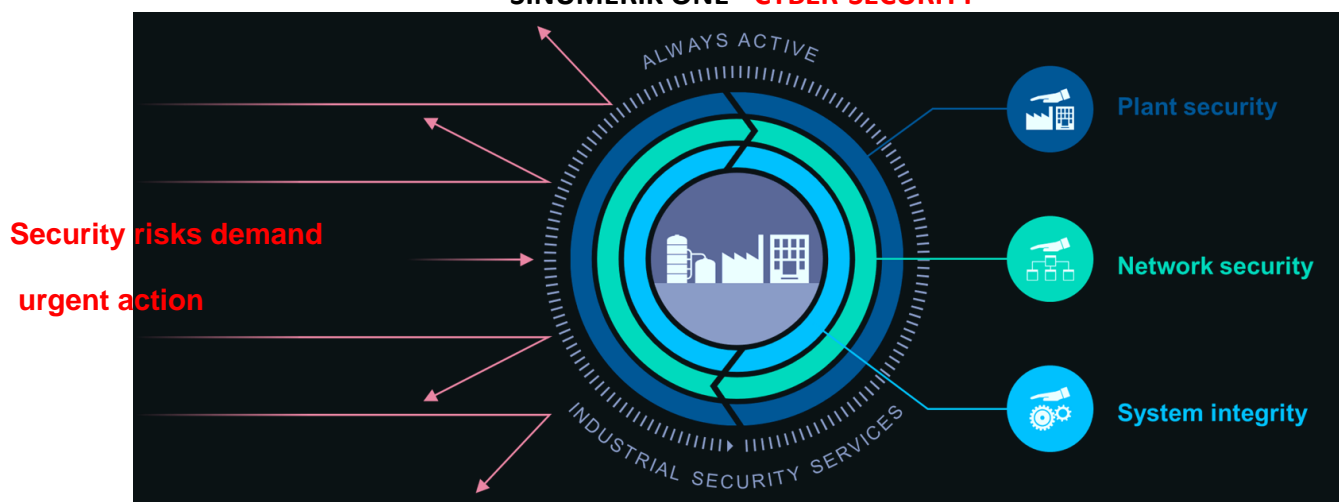


About the end user, the most important benefits of “**Run myVirtual Machine**” software are: to create and check the workpiece machining program in the office before, check any collisions between tool and workpiece, obtain missing information on the working program, know the complete list of tools for the machining operation, have the 3D drawing and all the information they need to work safely. All of these activities can be performed and tested remotely on the digital twin of the machine on the shop floor. Finally, training new operators without committing a machine in production, avoiding mistakes and production delays.

Other digital applications to make a smart machine tool are: **Analyze MyMachine, Optimize MyMachining, Analyze MyWorkpiece, Manage MyMachines, Protect MyMachine, Run MyRobot** and others.

SIEMENS says that a new way of engineering, selling and using machine tools is born, the “**SINUMERIK ONE CNC**”. The digital twin is no longer just an option of the machine tool, but an effective and sustainable competitive tool for the manufacturer and user themselves.

SINUMERIK ONE - CYBER-SECURITY



SINUMERIK ONE is ready to be integrated into all systems and processes protected by cyber-security, like Plant security, Network security and System integrity.

SIEMENS has a complete and modular range capable of satisfy all the demands in the machine tool market, and this is the reason why the most important Italian machine tool manufacturers choose **SIEMENS**.

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:

Mr. Nilesh Joshi
Manager - Italian Machinery Desk in India



C/o The Indo Italian Chamber of Commerce and Industry
11th Floor, Tower - A, Urmi Estate 95, Ganpatrao Kadam Marg,
Lower Parel (W), Mumbai 400013, Maharashtra
P: +91 22 67728186
Mob : +91 7666795385
Fax. : +91 22 67728191
Email : italianmachinery@indiaitaly.com