

Mandelli Sistemi SpA

The Values of Performance: Power, Agility, Versatility, Endurance



Mandelli Sistemi, founded by Renato Mandelli in Northern Italy in 1932, is a manufacturer of high quality five axis machining centres dedicated to the industries, where accuracy, efficiency and long lasting performance can generate real competitive advantages.

Our customers' challenges

In the mature business of machine tools, the challenge today is that of increasing the efficiency of the production means and of developing systems with speedy reaction to a constantly changing, volatile demand of products and services. In this game digitalization and the effective use of information play a key role for collecting and analysing a huge amount of data and for letting smart systems to take real-time decisions.

Our solutions

iPum@-suite4.0 is the Mandelli Digital Package of new solutions/options/Apps focused on the Smart Factory concept as a practical and efficient solution to the new Industry 4.0 and IIoT (Industrial Internet of Things) paradigms. iPum@-suite4.0 has been created according to 6 basic notions: "innovativeness", "imagination", "intelligence", "ingenuity", "inspiration" and "intuitiveness" smartly implemented in the machine tool "arena" to assure that the users get the most out of their machining environment.

iPum@-suite4.0 is based on five main directives:

- iControl: connection/remote control.
- iScada: sensorization of the machining centre.
- iSmartcut: dynamic recalibration of the machining parameters (speed/feed).
- iPredict: development of a self-diagnosis system for predictive maintenance.
- iReality: use of virtual reality to enhance interaction between the operator and the production system.



“Creating value for Shareholders, Customers, Employees, Suppliers is how we measure the company success: our primary capital is consistency between Thought, Word and Action.”

Saverio GELLINI
CEO

What improved:

- Increase of Technical Availability by optimizing the machine parameters and reducing MTTR thanks to early diagnosis of potential failures.
- Improvement of the operational and educational level of manpower through a smart use of complex tools.
- Creation of global performance awareness by sharing experiences and data with the different production facilities.