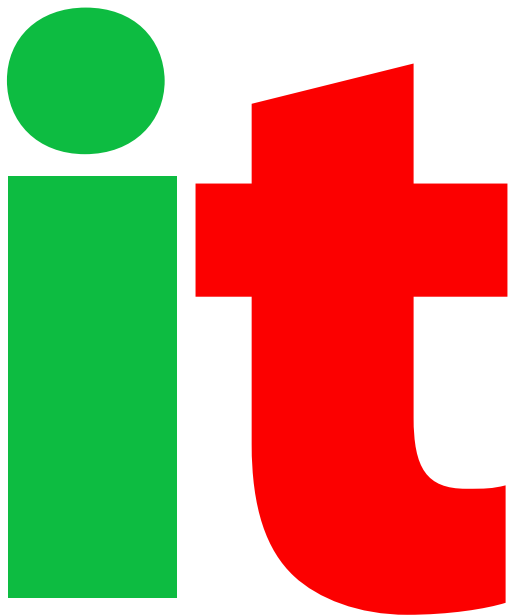


ITALIAN TECHNOLOGY



The Italian Plastics Industry: →
Machinery and Processing

Injection Moulding, →
Extrusion, Recycling

Materials and Applications →

Ancillary Equipment and Automation →

THE MAGAZINE
OF ITALIAN MACHINERY
AND PLASTIC MATERIALS

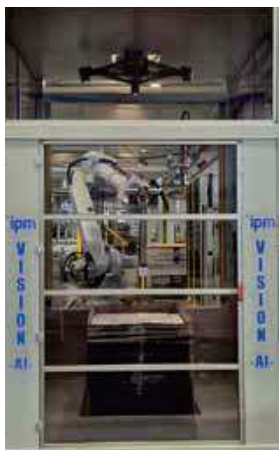
SUPPLEMENT PLAST N.10 OCTOBER 2025

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PACKAGING AUTOMATION FOR PLASTIC PIPE EXTRUSION



2025
4-10 OCTOBER
Koblenz, Germany
Hall 16
Stand D58



IPM, a leader in plastic pipe extrusion machinery, hosted the “Stronger Together” symposium to showcase its latest innovations, including a fully automated end-of-line system. Powered by AI and robotics, the solution boosts efficiency and addresses global labor challenges. IPM will present further advancements at K 2025.

TOGETHER TOWARDS AN INCREASINGLY INNOVATIVE FUTURE



From design to manufacturing, each machine is conceived and brought to life within the Romagna-based company, a true embodiment of Made in Italy and a benchmark in the field of plastic pipe extrusion and processing machinery. A constantly evolving journey that for nearly forty years has been filled with challenges, enthusiasm, talent, and passion, culminated a few months ago in the “Stronger Together” symposium, held at IPM’s head-

quarters in Lugo di Romagna, which welcomed approximately 130 Italian and international customers.

The world of manufacturing is evolving rapidly: change is not only inevitable, but accelerating. Precisely for this reason, the symposium sparked great interest among customers seeking quality, technology, innovation, and customization—key elements for standing out in the market, staying competitive, and keeping up with the times.

Today, our machines are present in 124 countries across all five continents.

Throughout the day, the area managers of IPM srl showcased the many new developments within the facility, giving customers the opportunity to see the machines in operation, ask questions, and interact with one another.

“We organized the symposium because we are convinced - especially after the Covid period - of the importance and necessity of returning to human contact,” the company owners: Argnani, Barabani and Geminiani explained, “and of the direct interaction between knowledge, experience, customer needs, and the know-how we have acquired over 38 years of continuous research and development in the field of extrusion machinery.”

Among the main technological innovations presented:

- haul-offs with 12 tracks up to pipe diameter 1600 mm,
- different types of electric and non-electric saws,
- electric socketing machines for PVC and PP pipes,
- pipe bending machines, threading machines, and slotting machines,
- and most notably, an innovative system for the automation



Automatic packaging and palletising system equipped with robots and artificial intelligence



Centralised island for the automatic packaging of PP pipes from 6 extrusion lines



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ers from repetitive, heavy, and potentially dangerous tasks. These problems are now widespread globally, which explains the high demand for these systems from customers around the world. These are the driving reasons that led IPM - a leader in the sector - to invest in solving issues that are common to the entire sector. We are talking about complex systems and cutting-edge technologies that help optimize processes and increase operational efficiency. Consisting of sets of machines and robots, these systems, thanks to artificial intelligence, next-generation cameras and sensors, as well as increasingly powerful software, are now able to:



The IPM founding members: from the left, Bruno Barabani, Silvia Geminiani, Claudio Argnani



Robot for wooden frames positioning

of the end of the extrusion lines for PVC pipes (both corrugated and smooth) up to diameter 800 mm, operating 24 hours a day.

This is an industry first, capable of replicating and replacing human labor in terms of precision, speed, and durability, solving problems related to unreliability and labor shortages, as well as relieving work-

- recognize objects through computer vision,
- automatically classify them,
- produce, select, assemble, and package,
- perform inspections of each individual item,
- operate in increasingly large production areas.

Furthermore, thanks to advanced technologies such as machine learning and predictive analyt-

ics, companies can monitor and optimize every production phase, reducing costs and improving performance.

However, this does not mean that humans can be completely replaced. The ideal approach is to enhance synergies between robots and people, creating collaborative work environments where both can work together, leveraging their respective strengths.

"K 2025 will be another great opportunity to present the results of our ongoing commitment and our pursuit of increasingly customized and technological solutions," say the partners Argnani, Barabani, and Geminiani. "Our goal is to help our customers improve the quality of their products by focusing on automation and more precise and intelligent control of energy resources. Change in the world of work is undeniable, even for the most sceptical: the future will be increasingly linked to robotics and artificial intelligence, essential tools for improving production processes."