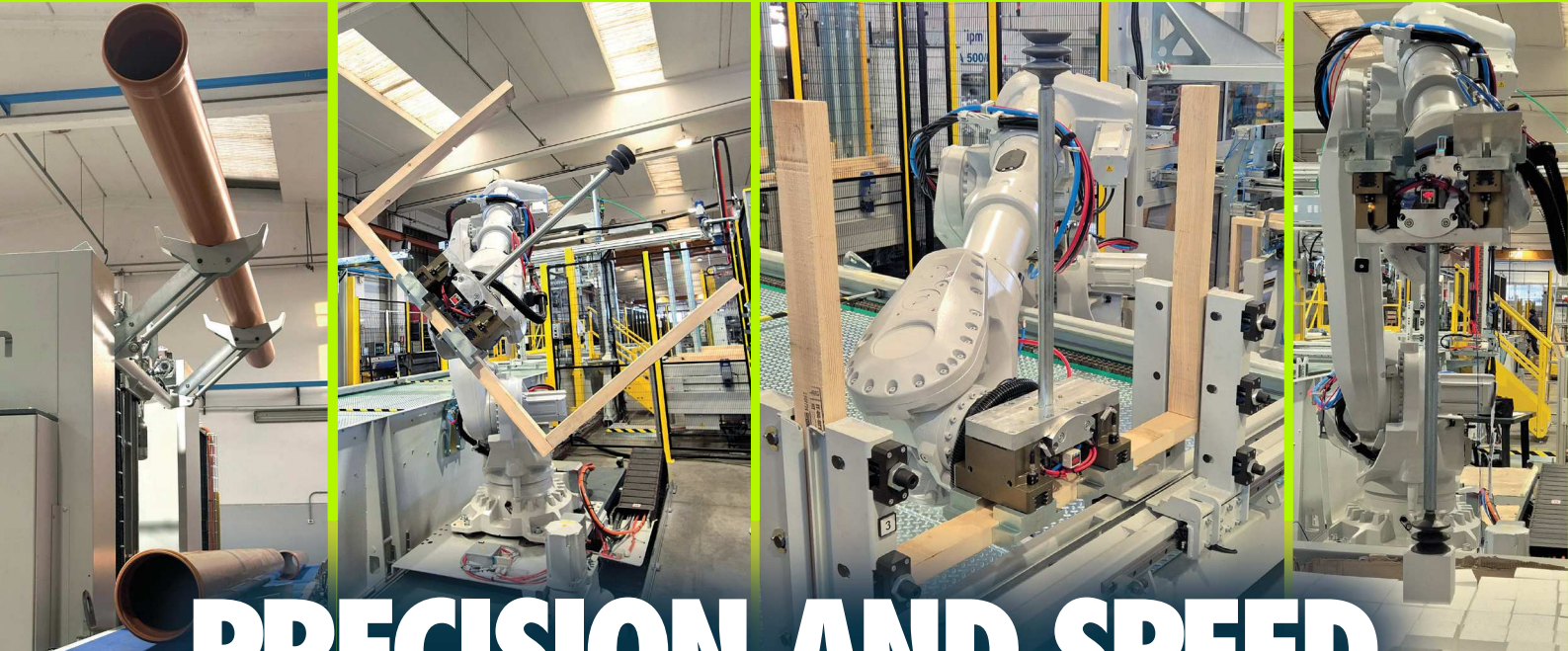


PACKAGING AUTOMATION IN EXTRUSION LINE



**PRECISION AND SPEED
24 HOURS A DAY**



ipm[®]
italian plastic machinery

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2025
8-15 OCTOBER
Düsseldorf, Germany

Hall 16
Stand D58



IPM grows stronger

Towards an increasingly innovative future

From design to production, every machine is conceived and built entirely within IPM's facility in Lugo di Romagna (Ravenna, Italy), a company that fully represents the values of Made in Italy and serves as a benchmark in the field of plastic pipe extrusion and processing machinery. A recent milestone in IPM's journey of innovation, passion, and customer engagement was the "Stronger together" symposium, held at its headquarters and attended by around 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 Stronger Together, organised by IPM, sparked great interest among cus-

tomers seeking quality, technology, innovation, and customization – key elements for standing out in the market, staying competitive, and keeping up with the times.

Today, IPM's machinery is installed in 124 countries across all five continents. Throughout the day, the area managers of IPM 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."



Robot in action positioning wooden frames for the production of pipe pallets on an IPM line.



Latest technological developments

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 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 labour in terms of precision, speed, and durability, solving problems related to unreliability and labour shortages, as well as relieving workers 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.

Fostering human-robot collaboration

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. The Italian company is talking about complex systems and cutting-edge technologies that help optimise 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: recognise 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



The three partners of IPM, from left: Bruno Barabani, Silvia Geminiani, and Claudio Argnani.

learning and predictive analytics, companies can monitor and optimise 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.

Looking ahead to K 2025

“K 2025 is another great opportunity to present the results of our ongoing commitment and our pursuit of increasingly customized and technological solutions,” said 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.” **MP**

System for forming pipe pallets with opposing ends.





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