



PRESS RELEASE

Campetella Robotic Center - Our history is our strength!

Celebrating our 10 years anniversary of automation in the US market

Montecassiano, Italy – May 2024

Food and industrial packaging, medical and pharmaceutical industry, household products...Name one, we are in it!

NPE 2024 is just around the corner and we can't wait for you to be our guest!

Where you can find us:

- Campetella Robotic Center, West Building Level 2 - Expo Hall - Booth W1988
- Engel, West Building Level 2 - Expo Hall – Booth W3301
- Krauss-Maffei, West Building Level 2 - Expo Hall – Booth W600
- LS USA, West Building Level 2 - Expo Hall – Booth W1101
- Shibaura, West Building Level 2 - Expo Hall – Booth W2743
- JSW, West Building Level 2 - Expo Hall – Booth W1561
- Sumitomo-Demag, West Building Level 2 - Expo Hall- Booth W3343

Visit Campetella to get an overview of what we can do to boost your production process. We offer a wide range of automation solutions that share the same common thread; their design and manufacturing is a perfect mix of experience, passion, innovation and construction quality.

Be our guest at booth W1988, West Building, level 2 and take the chance to discover a sample of our linear robots:

- GS3 X-Series, the ultra-fast top-entry robot designed for high payloads and the most extreme performance providing record-breaking accelerations and speed.
- SP3R Prime Series, the compact and functional rotary sprue picker that combines low power consumption, high reliability and maximum performance. Its peculiarity consists in having three electric servo-guided axes, two of which are linear (X, Y) and the other one is rotary (A) for the vertical axis' rotation in the entire range of $\pm 90^\circ$.

Campetella Robotic Center – Choose the Right Way

Sustainability is at the base of the Campetella corporate culture. How do we achieve it? Through a significant reduction in energy consumption.



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Our stack molding automation systems offer unquestionable advantages in high-productivity sectors as they optimize the company's costs while respecting the environment. The IMM tonnage is almost halved compared to traditional systems. This helps to considerably lower energy consumption and the relative CO2 emissions into the atmosphere, thus reducing their impact on global warming. Green economy is now a challenge and, in order to face it, we need to provide ourselves with highly efficient and sustainable production systems.

If you crave a stack molding system you have never seen before, then stop by our partner Engel, booth W3301, and have a look at our stunning Modula Twin Maxi X-Series. A fast, sturdy and powerful side-entry robot conceived to perform the most complex stack-molding applications.

IML & Stack Molding | More productivity in less space

The MAXI variation of the Modula Twin X-Series increases strokes and dimensions, while maintaining excellent performance. Designed to withstand high payloads while reducing cycle times, it offers remarkable acceleration even when dealing with the heaviest and highest volume parts, thus being an extremely compact, fast, efficient and reliable packaging solution.

Ready-to-use on different product dimensions and equipped with a fully flexible base for each product and label type, it highly optimizes footprint on the ground while considerably reducing energy consumption. A solid ground base, ultra-light moving parts and powerful servomotors outline its construction philosophy, aimed at achieving maximum productivity.

Synchronized production of lids and containers

Benefit from the synchronized production of both containers and lids in a unique 2-level 4+4 cavity stack mold. A process that would normally require two separate IMMs, automations and molds, involving different mold opening, timings and closing distances.

Conceived for IMMs up to 1.200 ton, our Modula Twin Maxi handles both 500 ml octa-round containers and lids in one solution, thus becoming the most efficient side-entry robot for high-tonnage IMMs.

Innovative sliding rotating table

This robot is also equipped with two label magazines, one for the containers (5-sided label) and one for the lids (flat label). The carbon fibre arms reduce vibrations while guaranteeing excellent label positioning and the rotary table on the label magazine allows easy and safe label refilling while the robot keeps running.





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Now let's move to Krauss-Maffei, Booth W600, where Campetella exhibits its SPIN assembling and palletizing foldable fruit and vegetable plastic crates.

The simplicity of a SCARA with the benefits of a 6-axis robot

Powerful and sturdy, this SCARA is equipped with three rotary axes (shoulder, elbow, wrist) and a linear axis for vertical movements with a peculiar architecture. Its high dexterity makes it perfect for fast palletizing and pick & place operations. The Z-axis movement is possible thanks to the sliding of the entire arm along the robust supporting column of the robot, which allows a vertical stroke of over 3 meters with payload up to 50 kg. This feature makes it a valid and – in many ways superior - alternative to industrial robots as far as palletizing operations are concerned, especially in terms of both footprint and easy programming.

Looking for the right robot to perform the fastest take-out ever?

Meet our best-seller GS2 X-Series at our partners' LS USA, booth W1101. Well-known for its high-speed and precise movements, it is an uncompromising model specifically designed for the food-packaging industry. Ultra-performing servomotors combined with innovative construction technologies and materials typical of the aerospace industry, such as carbon fibre and light alloys, ensure record-breaking acceleration and speed, for operating cycle times up to 2.5 seconds.

Campetella offers a wide selection of robotic solutions designed for IML applications on many types of industrial packaging, ranging from the classic top-entry robots to the most sophisticated and performing side-entry SM3-D, which you will find at Shibaura's booth W2743.

The revolutionary robotic solution for the industrial packaging

SM3-D X-Series is the most sophisticated side-entry robot with double arm to double your productivity in multicavity take-out operations. The perfect solution to handle IML applications with limited opening strokes since its arms move individually for the highest performance in as little space as possible.

Flexible and highly performant, it combines the productivity typical of all the side-entry robots with a versatility that is quite revolutionary for this category. Its innovative vibration-free architecture, featured by a solid ground base and a double column support, besides ensuring maximum precision, allows fast work cycles with higher payloads in medium high-ton IMMs. Moreover, its long strokes in all directions provide high centering flexibility.

Your plastic buckets are in good hands!



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At NPE 2024 the Campetella X-Series SM3-D side-entry robot performs a high-speed IML application on plastic buckets and fully automatic assembly of support handles, buffered for cooling.

Unlike all the traditional side-entry robots, it requires no external palletizing axis or gripping system. Its long travels on all the three axes, together with the built-in wrist, allow the robot to carry out all pick-up, drop-down and palletizing operations with a single end of arm tooling in a sequential manner. By avoiding the parallel coordination of an external palletizing axis, programming and managing operations get much simpler. Its absence also allows to quickly invert the gripping side on the fixed or moving surface, thus increasing flexibility when it comes to productions where a mold change is needed. In fact, SM3-D can easily fit IMMs and moulds of different dimensions.

Transferring parts between different gripping hands is a very delicate operation, especially in multi-cavity applications, where loss of alignment and piece-dropping may easily occur. The presence of a single EOAT avoids such risks, thus preventing possible downtimes and consequent loss of productivity.

Its double transversal arm enables sequential operations inside the mold, consequently reducing both the opening stroke of the IMM and the cycle time. The rotation motion enables the most accurate alignment of the label edge with the hook handle, significantly improving the aesthetics of the finished product. Thanks to the on-board assembly technology, no manual handle assembly is needed and more warehouse space is gained.

Nevertheless, we don't want you to think that Campetella only provides complex automation systems. Our offer of linear robots is both wide and competitive.

What about positioning accuracy?

Visit JSW, booth W1561, and check out our premium level top-entry robot MC2-2H X-Series, ideal for IMMs up to 600 tons and accurately designed for maximum performance on every front. Strength, speed and control are the main benefits of this last generation manipulator, capable of enduring a maximum payload of 18 kg.

MC2-2H X-Series is equipped with a CNC control cabinet integrated on board. As a result, ground footprint is zeroed and the maximum plant cleaning is guaranteed, due to the total absence of wiring on the pavement. For increased requirements in terms of accessibility and maintenance, the electrical panel on the ground is available on request, in lieu of the CNC control cabinet integrated on board. The strength of this architecture is the absence of collision problems between the robot and the hopper.

In order to meet different requirements in terms of payload, stroke and dimensions, the MC2 X-Series robot is available with 3 different types of vertical axis. Type B: direct single stroke





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axis; simple and functional. Type H: telescopic double stroke axis; maximum stroke for minimum vertical dimensions is the ideal solution for installations with ceiling height restrictions. Type M: direct single stroke axis; reinforced structure for the highest payload. Type H and M are featured by pneumatic balancing cylinder, a device that supports the vertical axis servomotor, increasing the payload and minimizing the energy consumption.

The robot is also equipped with a pneumatic C-axis wrist that allows the flat positioning of the picked-up parts in the mold, making it possible to choose between two programmed positions (vertical/horizontal). In the most advanced configuration, the wrist is featured by 2 servo-driven digital axes, thus ensuring the maximum level of control with its 5 electrical axes.

Whether you need speed, compactness or flexibility, Campetella has it all and can easily provide you with a customized solution based on your most demanding production needs, including complex automation cells made up of standard robots that give birth to fully automated systems requiring no human intervention.

Campetella Robotic Center: passion, efficiency and expertise always at your service.



The majestic Modula Twin Maxi, the stack mold side-entry robot designed for the highest payloads and the lowest cycle times.

Campetella Robotic Center Srl

Campetella Robotic Center is an international company that boasts a centuries-old history involving five generations of the Campetella family.





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Our core business lies in designing and manufacturing both standard industrial robots and complex automation systems for the plastic injection molding field.

With a wide range of All-In-One robotic solutions designed to meet the most demanding production needs, Campetella is a unique partner capable of providing its customers with a complete package of services, from initial consultation to after-sales assistance, guiding them through each step of their automation process with passion and expertise.

Our customers can count on a partner network spread worldwide, whose speed of intervention is guaranteed by our specialized technicians, ready to assist them every step of the way.

Our mission is to build strong and solid partnerships to guide and support our customers throughout the automation of their production processes by suggesting them the right solution to meet their production needs while granting and maintaining over time the highest quality standards of both products and services, in compliance with the ISO9001 and ISO140001 certifications Campetella has obtained.

Campetella Robotic Center: passion, know-how and innovation always at your service.

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