



PRESS RELEASE

Packaging Automation knows no boundaries

Montecassiano, Italia – November 2023

Campetella Robotic Center is attending the exclusive TG TECH DAYS event scheduled for 29 - 30 November 2023 at the Top Grade Molds' Technology Center.

The focus will be on IML technology, next generation automation and innovative robotic solutions within the industrial packaging industry.

Meet SM3-D X-Series by Campetella, the most sophisticated side-entry robot with double arm to double your productivity in multicavity take-out operations

Campetella offers a wide selection of robotic solutions designed for IML applications on various types of industrial packaging. Ranging from the classic top-entry robots to the most sophisticated and performing side-entry SM3-D and Modula X-Series, their highly configurable IML automation solutions boast full electric technology and extremely fast cycle times.

SM3-D X-Series is the perfect solution to handle IML applications with limited opening strokes since its arms move individually for highest performance in as little space as possible.

Sturdy, 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, grants fast work cycles with higher payloads in medium-high tons IMMs. Moreover, its long strokes in all directions provide high centering flexibility.

At TG Tech Days the Campetella X-Series SM3-D side-entry robot performs 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



Campetella Robotic Center Srl | 62010, Montecassiano | Tel:

(+39) 0733 29891 | Fax: (+39) 0733 298912 | info@campetella.it | www.campetella.com/en



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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 mould, consequently reducing both the opening stroke of the IMM and the cycle time.

The rotation motion allows 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.

The X-Series SM3-D side-entry robot is also equipped with self-lubricating sliding blocks with roll-by balls on carbon steel prismatic guides. Thanks to this system, under optimal conditions, the robot can run for more than 40,000 km without needing guides' lubrication, thus minimizing both maintenance and machine downtimes.

Belonging to the X-Series, it comes with the most advanced Campetella EVO control unit. Light and intuitive, it allows a simple and immediate programming and management of all the robot's functions.

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.





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Campetella Robotic Center Srl

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

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 provides 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, ready to assist them every step of way and whose speed of intervention is guaranteed by our specialized technicians.

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, also documented by the ISO9001 and ISO14001 Environmental certification Campetella has recently obtained, proof of its commitment to the environmental impact reduction.

Contact for journalists and readers:

Via Grazia Deledda, 40/42 – Z.I. Villa Mattei

62010, Montecassiano (MC), Italy

Tel.: (+39) 0733 29891

Fax: (+39) 0733 298912

www.campetella.com/en

info@campetella.it

