

# THE RISE OF EDGELESS PACKAGING

ARCWISE®: THE BOX THAT FOLLOWS THE SHAPE OF YOUR PRODUCT “SURVEYS SHOW THAT ROUNDED SHAPES ARE GENERALLY PREFERRED OVER THE ANGULAR ONES”

The perfect pack adherence to the product is an important competitive advantage for food & beverage manufacturers. Thanks to the rounded design, it is possible to realise board packs with a unique aspect and captivating graphics that is not interrupted in the corners, but continues without interruptions on all pack edges. Furthermore, rounded boxes are easy to store and feature greater robustness and resistance to loads, thanks to their unique curved shape.

Arcwise® board, that can be used on case packers and multipack packers produced by SMI in order to create wrap-around boxes or board clusters, employs raw materials that fully derive from renewable sources, thus allowing companies that make use of them to improve the standards of environmental compatibility in their production.

Appealing graphics and packs that perfectly follow the product curved shape. Corrugated board boxes,

manufactured by the case packers from the WP range, take full advantage of the features offered by Arcwise® technology.

The board blanks produced by the packers from the MP range combine the robustness of corrugated board with the design of Arcwise® curved shapes

Circular shape in form and substance. Advantages of Arcwise® board:

Very appealing graphics that attracts the consumer, better brand visibility on the shelves, surfaces with no defects and imperfections, reduction of the pack weight by around 30 % (depending on the type of application and on the pack shape), that can be achieved by adding rigidity to the round-shaped board, less material needed for the same protection and greater resistance compared to traditional boxes.

SMI designs and manufactures bottling plants and packaging machines with an innovative design, equipped with IoT technology, providing thousands of customers from more than 130 countries with smart solutions, able

## Facilitating Cobot Integration into Complex Machines

**Universal Robots is pleased to announce a new partnership with Siemens' TIA (Totally Integrated Automation) that will allow the integration of Universal Robots cobots into complex machine and manufacturing environments.**

This new interface will facilitate a seamless integration process for machine builders and system integrators. Universal Robots' cobots will become part of the Simatic Robot Library within Siemens' TIA environment through an interpreter interface planned to be completed within the fourth quarter of 2021.

Mark Gray, Country Manager UK&I said, "Machinery and plant engineers as well as manufacturers with large production facilities will benefit from our cobots' TIA integration.

Thanks to this new interface, they will soon be able to apply our cobots' functional diversity, precision and repeatability within complex production lines, benefitting from all aspects of digitalised automation – from digital planning and integrated engineering to transparent operations."

The holistic TIA Portal engineering framework supports users in planning extensive manufacturing automation projects. In November 2020, Siemens presented the Simatic Robot Library as an addition to this application:

The comprehensive 'robot library' allows users to program their cobots directly within the TIA Portal via a unified user interface and to include them in their planning, which will now also include UR's collaborative robots, greatly extending the range of companies benefitting from the cobot technology: Across industries, users will now encounter the UR cobots in the context of complete plant engineering solutions. "We are welcoming Universal Robots as a new partner just in time for the start of the new Simatic Robot Library's piloting," says Tobias Fengel, Marketing Manager at Siemens Digital Industries. "We are delighted that we will soon be able to offer our clients a forward-looking solution together with the cobot market leader."



# ARCWISE®

to meet their requirements in terms of competitiveness, production efficiency, operational flexibility, energy saving, easy management and monitoring of the whole production process.

The latest developments and the continuous investments in Research & Development have led to the production of even more compact, economic and eco-friendly

machines, able to meet production requirements up to 36,800 b.p.h.

✉ [info@smigroup.it](mailto:info@smigroup.it)  
☎ +39 0345 40111

Users can now independently implement the UR cobots within major production lines and teach them functions such as jog mode or path point creation. The new comprehensive library allows users to download programming examples and use them to control the UR cobots. "Our cobots have always been characterised by their intuitive handling," Mark Gray explains. "Their integration into the TIA portal via the Simatic Robot Library now accelerates their integration and implementation into complex production lines. It also makes it easier to combine the UR cobots with technologies like Edge data analyses or cloud services and include them in the monitoring of plant conditions."

## No Time To Waste

**A.G. Barr has confirmed it plans to be carbon net zero by 2040.**

Under its No Time to Waste initiative, the business has set out its ambition to be totally carbon neutral ten years ahead of the UK's proposed 2050 deadline. It has also confirmed that IRN-BRU and Rubicon will be in 100% rPET bottles by Spring 2022.

Bringing together multiple energy, packaging and waste initiatives reinforces the company's aim to increase sustainability and ultimately reduce environmental impact.

But the company knows

there's more to do in 2021 it will, significantly reduce the use of virgin plastic through 100% recycled film on all consumer multipacks, introduce paper straws on small juice packs and be among the first in the UK to introduce only plant-based plastics in its 1ltr cartons

Roger White, AG Barr Chief Executive said, "As a responsible business this is a hugely important programme for us. Under our No Time To Waste programme we are openly committing to be carbon net zero by 2040, if not sooner, and plan to involve all our staff, suppliers and customers in achieving our long-term vision".