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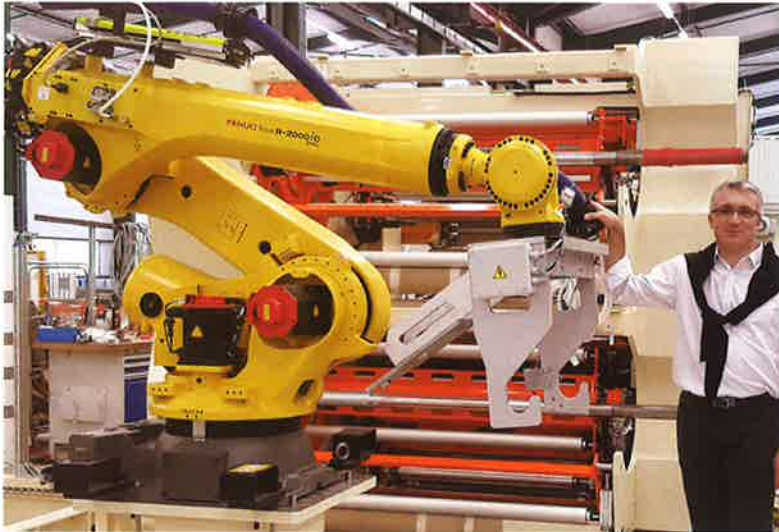
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tire
technology

Slitting and spooling



Calemard will reveal a fully automated winding solution at Tire Technology Expo 2018



Having sold its first machine to the tire industry in 1965, Spoolex Group, and its well-known Calemard converting machinery division, is now recognized by the major tire manufacturers as a worldwide reference in slitter rewinders and spoolers to cover all slitting needs in passenger, light truck or high-speed tire plants.

"Thanks to this experience and a close relationship with tire manufacturers, the French company offers reliable and adaptable solutions covering the whole range of products from pure gum to steel-reinforced bias products and through standard cap-ply/cap strips or chafer/angled corded products, textile or aramid."

Calemard is an innovative machinery manufacturer, helping tire makers to increase productivity as well as quality.

Regarding the slitter-rewinder range, Christian Montusclat, sales manager of the tire division at Calemard, explains, "To complete our standard reliable slitter-rewinder range, we have been continuously expanding our solutions and especially the fully automated and continuous ones, like our turret winder equipment."

For many years now, Calemard has offered in-line turret winders to convert and rewind large webs of plastic films and non-woven materials. Today, the company also offers a patented solution for an in-line, center-driven turret winder for narrow webs (slitting 700mm [28in] into 30/40mm [1.1in/1.5in] strips) even for sticky products like gum tapes.

Montusclat will be at Tire Technology Expo 2018 (booth 9040) to discuss future converting projects. He explains, "Our engineering team has developed an inline solution to cut narrow tapes down to 30/40mm. This fully automated winding section, to be inserted into a gum tape extrusion line, offers at the same time high technology and high versatility, combined with easy handling and optimized productivity."

This new Calemard technical solution consists of a plastic liner, cantilever dual-unwinder with a liner guiding/positioning system and automatic splicing device for continuous liner feeding. There is also a driven tension-controlled accumulator for up to 60m (197ft) of product storage, a slitting station with two crush-cutting ramps that enable preset slitting widths to quicken product dimension changes, and two scrap edge extractors (with liner separation/recycling). A staggered turret winding station is capable of center-surface winding, equipped with a gap winding solution for precise and stable winding of gum pad and an automated unloading robot, fully independent of the operator, who only takes care of removing trolleys (when full of pads) and core installation on empty shafts. The operator does not handle pads or anything else. Montusclat adds, "This project is a first step in our range extension. We have also worked on continuous spoolers for in-line spooling directly after the extrusion process and look forward to disclosing more information on this project soon!"

Left: Christian Montusclat in Calemard's workshop

Right: Pads on an Orion G tire slitter

"Thanks to a systematic, needs-analysis approach and a flexible organization, we are closely supporting our customer throughout the converting project, from first contact to turnkey equipment, ready to produce."

Calemard can rely on Spoolex's integrated R&D and engineering department to design tailor-made machine concepts and to support its customers in choosing the most suitable technological solutions.

"Thanks to our testing laboratory, our process specialist can set up and perform trials," he continues. "This technical support is a guarantee to define the most cost-effective standard or specific solution. We believe that Spoolex is a process expert, not just a machine manufacturer."

The technical team of skilled technicians and engineers with strong product and process expertise, combined with tension control expertise, enables the company to constantly innovate to offer more productivity-boosting solutions. Spoolex annually invests 5% of its turnover in R&D and currently has a portfolio of 22 patents.

Moreover, a customer service team is dedicated to supporting Spoolex's customers all over the world, either for technical assistance (on-site or using VPN to fix the problem remotely), or for training, support and commissioning. **tire**

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