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DRIVES GIVE ACCURATE PAY-OFF ON OPTICAL FIBRE LINES

The new and highly innovative range of ComPo optical fibre and cable unwinders from Finnish company Compomec Oy, all feature Commander SK AC drives supplied by Control Techniques' local distributor SKS Control Oy.

"Why do something the hard way, when it can be done the easy way," comments Compomec's Technology Manager, Mike Aunola. "The drives have proved to be exceptionally reliable and, using the simple to use LogicStick, programming is as easy as plugging it in," he says.

A range of Commander SK drives have been supplied to Compomec in recent months, ranging from 0.75kW for the high performance ComPo 35 up to the heavy duty ComPo 100 tube unwinder that uses a 4kW drive.

The ComPo range is designed for demanding applications for loose or tight buffered products, dry constructions and fibre ribbons with high acceleration performance. Accurate tension control is achieved according to dancer position, with no feedback being required to the drive, which runs in PI mode. Built-in diameter measurement reduces operator tasks during reel changeover.

The ComPo 35, (recently selected by Maillefer Extrusion to complete their secondary coating process), has a maximum reel diameter of 350-mm and weight of 10kg (up to 60-km) and can handle up to four spooling units, with tension 0.2 – 2 N ±0.05N and an acceleration on 100m/sec² up to a maximum line speed of 1200m/min.

KEY BENEFITS

- EXCEPTIONAL RELIABILITY
- EASE OF USE
- ACCURATE TENSION CONTROL & MEASUREMENT
- HIGH ACCELERATION
- ONLINE CONTROL

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The larger ComPo 100 tube unwinder for rewinding or stranding duties has a maximum reel diameter of 1000-mm with a weight of 400kg, an acceleration of 50m/sec² and a maximum reel speed of 480 rpm.

"All the ComPo unwinders have actual tension measurement and online control," adds Mr Aunola, "because they use this latest AC drive technology. The Commander SK drives also provide additional options such as fieldbus connectivity which we can offer our customers."

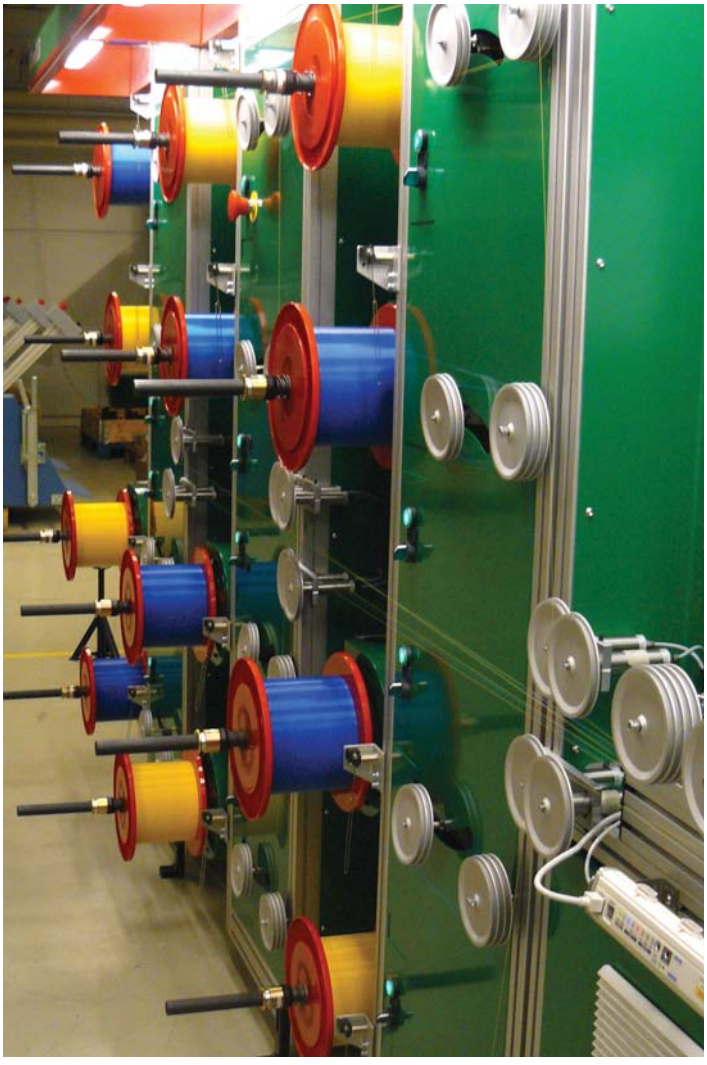
Compomec's choice of Commander SK follows many years' experience in the use of Control Techniques drives, including Dinverters and Unidrive AC drives, but they have used Commander SK drives since their market introduction and have expressed great satisfaction with the product's quality and ease of use.

As standard, the Commander SK is simple to fit and can be programmed for most tasks in a matter of minutes, inputting just 10 basic parameters on the front-mounted keypad and copying parameters from one unit too another was never simpler with the SK's SmartStick plug-in option.

Commander SK is packed with features including dynamic braking, ModBus, PID control, EMC filter, fieldbus options, extensive memory, basic closed-loop and positioning control - even task scheduling! Really adding ultimate versatility, Commander SK even offers simple PLC functionality using a Logic-Stick with SyPT Lite programming, to replace a nano or micro PLC, or to replace relays and timers. This is another unique feature that is potentially a major cost-saver for OEMs, giving more functionality at a lower cost, cutting out expensive additional components, reducing space, weight, cubicle size and both wiring time and test time.

Compomec was founded in 1993 to meet the increasing need for engineering expertise in the fibre-optic industry. In 2005 the company developed the next generation fibre pay-off and take-up ComPo range and over 20 new products have been launched under this brand.

Compomec is particularly known for its expertise in demanding tension control which is essential in the production of high quality fibre and cable production – and Control Techniques drives are key to this success.



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