as soon as the contamination is outside the field of view, says Sikora.

"Our scanner uses a third black and white camera, so a significantly higher detection rate is achieved – and more contaminants are detected," said Kulenkampff.

The company will also show its Purity Concept V laboratory testing device. Within a few seconds, test material can be inspected for metal contamination or optical deviations. Sikora is encouraging visitors to bring material samples to K2022, where it can analyse them.

› **www.sikora.net**

IMAGE: TECNOMATIC

Above: A redesigned feedscrew will help Tecnomatic improve its Vega and Zephyr extruders

Tecnomatic of Italy is developing new versions of its Vega and Zephyr extruders, in order to improve pipe extrusion – in part by redesigning the feed screw.

"The design of the extruder feed screw has always established the productivity and quality of the extruded product," said the company. "Our designers are constantly asked to improve the quantity of output without sacrificing quality – or to improve both at the same time."

The new Evo version will feature a new screw geometry, as well as newly designed spiral outlets. It aims to improve plasticisation and homogeneity, and boost energy saving.

In addition, there will be a new release of the Extrusion Process Control (EPC I) control system. The 4.0 paradigm requires simple, effective and advanced interfaces, allowing operators to manage production systems that are increasingly interconnected and integrated – from multiple devices. For this, Tecnomatic will introduce the Multitouch Capacitive Panel PC Platform – with integrated Web Server and 4.0 connectivity – at K 2022.

A 21.5in TFT LED display guarantees high performance of the integrated graphics libraries and allows numerous plug-ins and widgets. It allows the integration and control of all components, including co-extruders, corrugators, gear pumps, screen changers, calibration tanks, haul-off and cutters. Integration and management can take place through common analogue communication protocols or the more modern OPC-UA, in accordance with Euromap 84.

Management of energy consumption – of specific equipment or the entire line – can be monitored by installing specific modules.

The company has recently supplied lines for several large-diameter pipe projects – including one for 1200mm HDPE pipes in Japan, and a 1200mm line to make three-layer pipes in the Czech Republic – which has an output of 2,000 kg/h.

› **www.tecnomaticsrl.net**