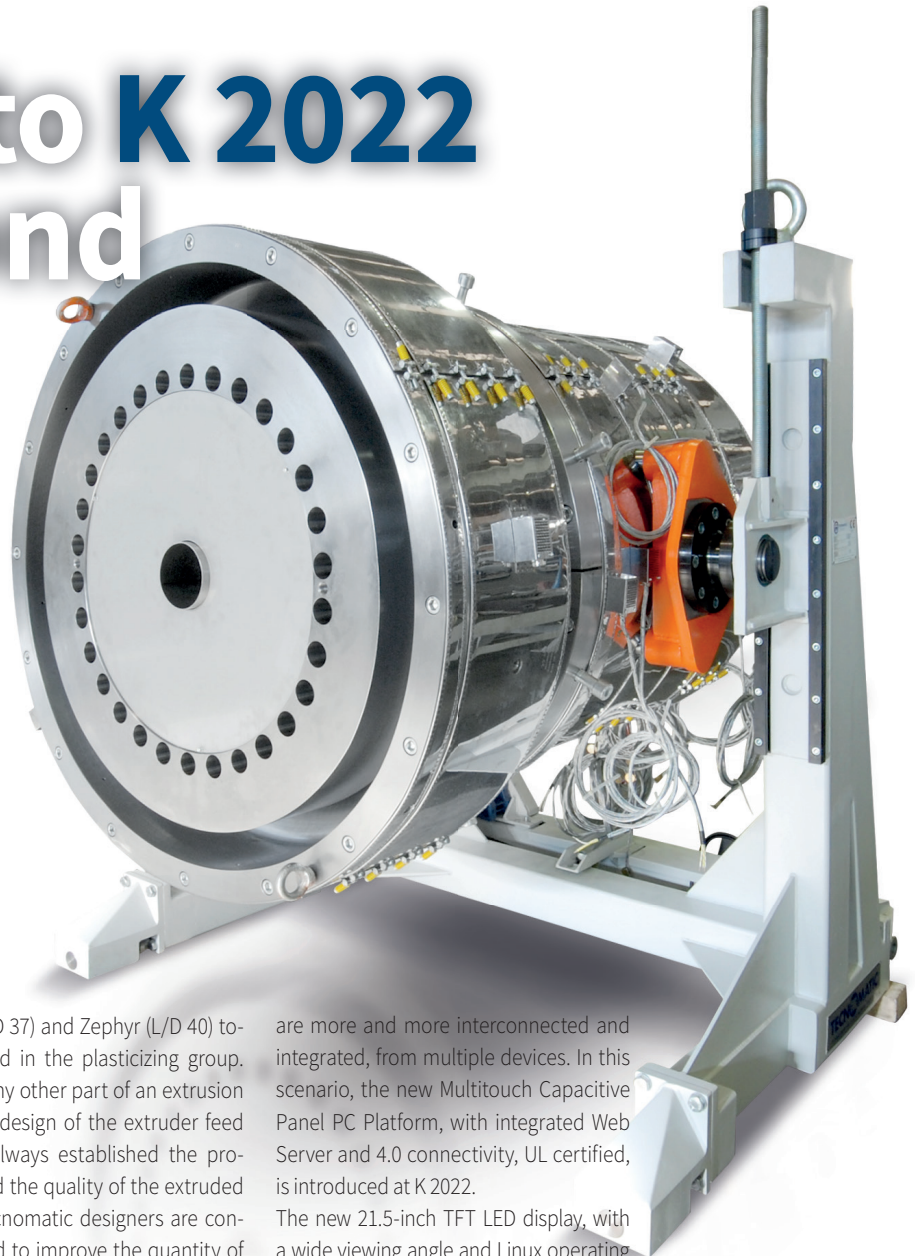


A relaunched Tecnomatic

Looking to **K 2022** and beyond

A “new course” is characterizing the recent activity of Tecnomatic, the Italian manufacturer of lines for pipe extrusion, which can count now on new members in its team and offer renewed products in line with the standard of Industry 4.0. Here it is how



Venus Multi 3-1200 extrusion die-head

Thanks to its long experience in manufacturing plants for plastic pipes, Tecnomatic is able to offer complete extrusion lines for pipes with an external diameter up to 3000 mm, or customized lines for special productions. Investments in research and development are a constant of Tecnomatic activity, in order to maximize the performance of its machines and allow greater production at high and constant quality.

With 45 years of industrial experience, it boasts a customer community that reaches over 100 countries around the world, but the future prospective does not stop there. Tecnomatic, which has a well-balanced team of sales, research and development, service and production, has the passion to continue working hard and be a quality partner, developing increasingly important projects.

A totally renewed plasticizing group

With this in mind, and in preparation for the next international fair K 2022, Tecnomatic (**booth D05, hall 16** at the German fair) is developing a version of its extrud-

ers Vega (L/D 37) and Zephyr (L/D 40) totally renewed in the plasticizing group. More than any other part of an extrusion system, the design of the extruder feed screw has always established the productivity and the quality of the extruded product. Tecnomatic 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 completely revised geometry of the screw, as well as newly designed spiral outlets. The new version represents the strongest evolution of Tecnomatic extruders after several years, and aims at improving plasticization, homogeneity and energy saving, leaving unaltered the performances, which are at the highest level that the market can offer.

Control of the extrusion process

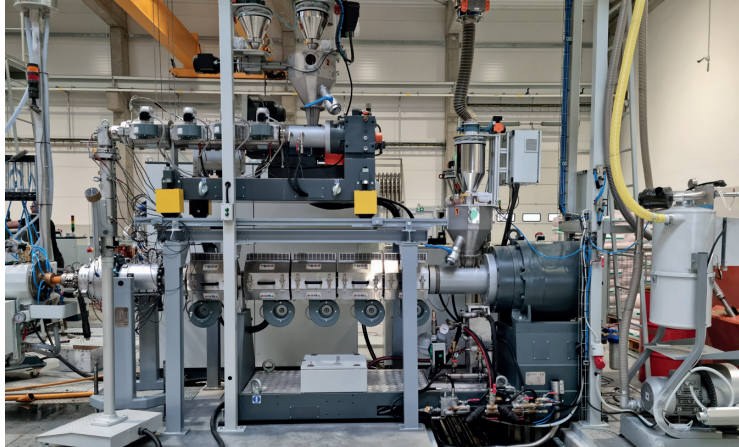
At the same time, there will be a new release of the EPC I (Extrusion Process Control) control system. The 4.0 paradigm requires, indeed, simple and effective advanced interfaces, which allow the operator to manage production systems that

are more and more interconnected and integrated, from multiple devices. In this scenario, the new Multitouch Capacitive Panel PC Platform, with integrated Web Server and 4.0 connectivity, UL certified, is introduced at K 2022.

The new 21.5-inch TFT LED display, with a wide viewing angle and Linux operating system combined with 64-bit RISC quad core - 1.6 GHz processors, guarantees high performance of the integrated graphics libraries and allows numerous plug-ins and widgets, such as HTML browsers, PDF and video viewers, as well as the ability to create and print reports. Developed on the specific needs of operators, it allows integration and control of all components such as: gravimetric dosing unit, coextruders and corrugators, gear pumps, screenchangers, calibration tanks, haul-off and cutters. The integration and management can take place through the most common analogic communication protocols or the more modern OPC-UA, in accordance with Euromap 84.

Particularly interesting is the management of energy consumption of specific equipment or the entire line, which can be monitored by installing specific mod-

A multilayer extrusion line
with gearless extruder and piggyback
coextruder for external layer



ules and whose data are transmitted to the PLC via modbus TPC protocol, or even

exported to the customer control system via modbus-slave communication.

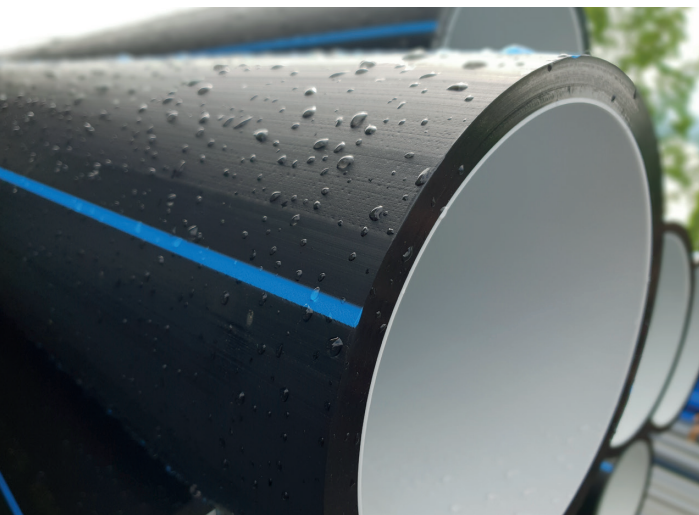
Confirming the presence in the sector

These developments take place during a year of great satisfactions for Tecnomatic, with important projects for large diameter pipes for both EU and non-EU markets. Amongst them, stand out the high-performance HDPE line with a diameter of 1200 mm for the Japanese market and the 3-layer line with a diameter of 1200 mm for the Czech market, with an output of 2000 kg/h, which is one of the first in Europe with a configuration of this type.

Confident in its team that brings new talents every day, Tecnomatic will continue

meeting the ever-changing needs of its customers. For several years the company has been stuck on consolidated technical solutions, but which lacked the technical refinement capable of further improving the quality of the extruded product. Thanks to the inclusion of new technical staff, with extensive experience in the sector and in plastic materials, the input has finally arrived for the development of a new range of extruders which, due to its degree of innovation, will represent a clean break with the first series. In this way, Tecnomatic wants to confirm its presence in the sector; a presence based on strong working activity, its ability to innovate and research, rather than cloning other competitor solutions. ■

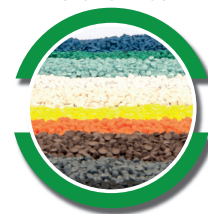
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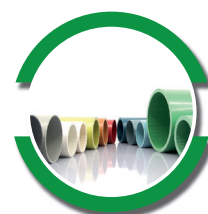
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