

EXTRUSION



1/2018

VIA VERLAG
Cologne/Germany



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**ContiTech setzt in Korbach
SIKORA Röntgenmesssysteme
zur inline Qualitätskontrolle von
Bremsschläuchen ein**

Italian Extruders Maker focuses on Industry 4.0 for Plastic Pipes Companies

The world is going to enter Industry 4.0, in which computers and automation will come together, in an entirely new way, with robotics connected remotely to computer systems equipped with machine learning algorithms, that can understand and control the robotics with very little input from human operators.

Industry 4.0 introduces what has been called the "smart factory," in which cyber-physical systems monitor the physical processes of the factory and make decentralized decisions. The physical systems become Internet of Things, communicating and cooperating both with each other and with humans in real time via the wireless web.

In this regard, Tecnomatic supports its customers during the design, the implementation and the integration of systems aimed at supporting the new digi-



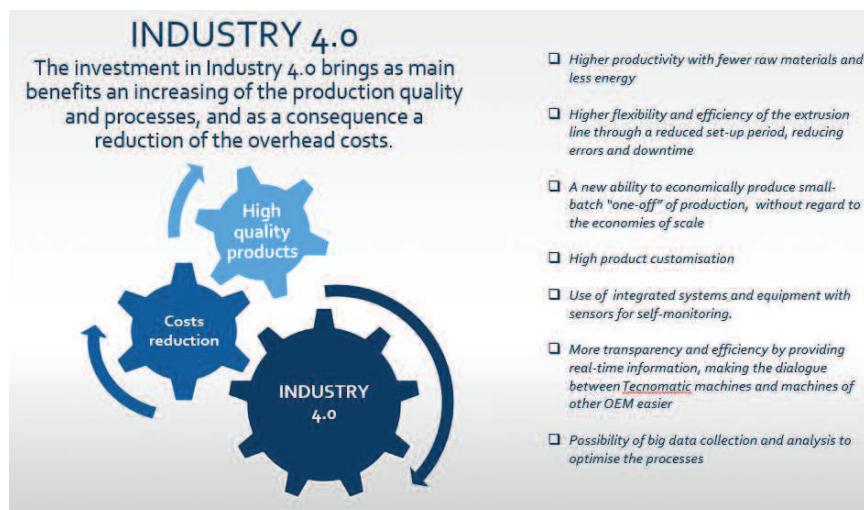
tal industrial revolution, providing to the plastic pipes manufacturers a complete and integrated portfolio of products, solutions, industrial softwares and automation technologies.

The system provides a simple user-friendly program for the networking of extrusions pipes lines. Via the machine's EPC (Extrusion Process Control) system, several machines and peripherals are connected and linked together to be operated via a uniform user interface, which enables interaction between the individual

appliances. In this way, the entire manufacturing process, including material feeding, temperature control, synchronization is coordinated and tracked.

Another important point is having all parameters centrally recorded and monitored. The system allows, not only to carry out energy monitoring, but to convert numbers and data into valuable information on the processes within the line. This enables optimal analysis of a line's performance. From the relevant key performance indicators for shift supervisors up to the clear presentation of the line performance for the management.

INDUSTRY 4.0 – Higher quality & costs reduction



Perfectly in line with the concept of "smart factory" of the Industry 4.0, all data, including preventive maintenance and service parameters or alarms can be monitored via internet or intranet, to Pc, servers or to mobile devices.

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