

HIGH-SPEED AND ACCURATE CUTTING FOR THE MEDICAL SECTOR



The range of machines built by BARUFFALDI Plastic Technology-Primac has been enriched with the new TC.TVP/40 planetary cutter with built-in traction haul-off, for cutting and evacuating medical pipes directly from

straight-line extrusion systems. The new cutter is intended for the processing of PP, PE and LDPE pipes in a production area defined as a 'clean area' as it is designed for medical companies.

The entire structure as well as the cutting and the operative system are designed for a working environment where the whole plant will operate at a temperature between +15°C and +35°C with a moisture content between 35% and 60%. The device has rotary knife cutting without material removal, with cutting precision of ±1mm/m at high process speed (20m/min).

The cutting system is equipped with vision sensors for precise point cutting points on the moving profile. The haul-off group, with two independent track speed pairs, provides for pipe compacting where necessary. Haul-off and cutting units are operated by four independent brushless motors for maximum flexibility of the system.

The last generation operator panel allows the user to select production programs through preset job prescriptions. The advanced electronics of this new, versatile and compact machine makes it possible to control cycle times in order to optimize the production process at best. The machine is also distinguished by its quiet operation and energy saving features.

BARUFFALDI PLASTIC TECHNOLOGY srl - Via Walter Tobagi 13/15, 48034 FUSIGNANO RA ITALY - Tel. +39 0545 52652 - Fax +39 0532 53122 - Email: info@baruffaldi.eu - www.baruffaldi.eu

SOAG ORDERS 24 NEGRI BOSSI MACHINES



NEGRI BOSSI received an order from Soag Europe (Sigit Oman Automotive Group) for 24 machines to be installed during 2017 and 2018. Soag is amongst NEGRI BOSSI's most prominent and long-established customers, having installed over 150 NEGRI BOSSI machines in the last ten years. The machines range in size from 50 to 2,000 tonnes.

Soag is a multinational automotive and appliance components manufacturer with over 1500 employees. Formerly Sigit, the company started operating in Italy in 1966, establishing themselves in the automotive industry as a Tier 1 supplier to Fiat group. The company started a growth strategy in 2000, when

new plants were opened in Italy, Spain, Serbia, Morocco, Russia and in Poland strengthening their relationship with Volkswagen, Renault and Peugeot. In 2017 a new business unit, Soag Appliance was formed, acquiring Tecnoplast group, who have strong relationships with Whirlpool, Electrolux and Philips. All the machines installed in Sigit are equipped to the same specification enabling total inter-operability between plants. Strong economies of scale ensure reduced management and maintenance costs, whilst standardisation of processes and technologies assure better repeatability and product consistency across the various plants.

Soag is the first customer of NEGRI BOSSI to have already adapted its production organisation to the concept of Industry 4.0. All 150 presses in 8 factories are connected to a dedicated Wi-Fi network and transmit real-time production, machine shutdown and quality data to their ERP (SAP) system. There is therefore a centralised and always up to date view of the manufacturing performance of the factories.

The new machines ordered will allow the company to further experiment with new technologies keeping Industry 4.0 in mind. Experimenting with predictive maintenance solutions, synchronised planning and orchestrated production with other business processes is a key focus. To achieve these goals, Soag and NEGRI BOSSI signed a collaboration agreement for the joint development of the Open Plast project www.openplast.it, the first open and scalable open source platform for Industry 4.0 in the plastics world.

NEGRI BOSSI spa - Viale Europa 64, Casella postale 101 20093 COLOGNO MONZESE MI, ITALY - Tel. +39 02 273481 - Fax +39 02 2538264 - Email: nbinfo@negribossi.it - www.negribossi.com

1/3

PREDICTIVITY: THE NEW FRONTIER FOR CNCs



The key element in the future success of manufacturing companies lies in the technological evolution that today unites human expertise and experience with the total automation and interconnection of manufacturing solutions. From October 19 to 21, BIESSE opened the doors of its Pesaro campus, demonstrating the advantages that the company's technology offers for those who work with plastics and wood industry.

190,000 square metres of innovation made available to clients for testing, providing them with the opportunity to take a closer look at the machinery, automated systems, advanced software and interconnected technologies capable of optimising manufacturing processes and digitalising factories. Inside the Tech Center, visitors were

also able to meet Sophia, the IoT platform by BIESSE, developed in collaboration with Accenture, which enables its customers to access a wide range of services to streamline and rationalise their work management processes, and which will be sooner available also for the processing plastics machines. This technology is based on the connection to a cloud service and a number of special sensors applied to the BIESSE machines, which together enable information and data on the technologies in use to be recorded and sent in real time, optimising performance, preventing malfunctions and increasing the productivity of machines and systems. In addition, the direct connection with Parts, the BIESSE replacement parts portal and the ability to upgrade software in a few clicks provides customers with everyday work tools that can simplify a host of tasks. The key value of Sophia is the power of its predictive nature: the ability of this technology to offer a vision of the future, anticipating issues that may arise, identifying solutions and improving performance. The IoT features within the platform guarantee a significant increase in productivity, courtesy of a process of constant, accurate and comprehensive analysis and reporting on manufacturing performance.

BIESSE has also introduced significant new developments in terms of software with B_Avant, the BIESSESystems supervisor for the integrated and efficient management of production facilities, in accordance with processing needs. Each component/batch is tracked, and can be easily traced at any time. The software is customisable and can be perfectly integrated with pre-existing management and software systems, offering full functionality. Visitors were also able to view a number of production lines, for a closer look at the benefits and opportunities that production flow automation offers in terms of efficiency and quality.

BIESSE spa Divisione Advanced Material - Via della Meccanica 16, 61122 PESARO PU, ITALY - Tel. +39 0721 439100 - Fax +39 0721 453248 - Email: biesse.marketing@biesse.com - www.biesse.com

IN CHINA, INDIA AND RUSSIA TO EXPAND ITS ACTIVITIES GLOBALLY



MORETTO, the Italian company leader in automation technology for the plastic processing industry, expands its activities globally with the opening of three new branches in China, India and Russia. Three markets where MORETTO's technology has been protagonist for years through the realisation of several plants and the supply of primary companies in the sector.

China is a market at the core of the international plastics industry with growing production needs from both technological and automation point of view. India is considered the second emergent country after China and represents today an important attraction for economic activities around the world with an exponential and continuous GDP growth. Last, but not least, Russia with growing plastic applications in all areas where it is

applied. A market in which MORETTO plans to double its sales volume according with the results of first half of 2017: an increase of 35% compared to the total amount of 2016.

Three countries that are positive to the plastic world. The opening of the new MORETTO's branches responds to the need to be a reference point ever closer to the plastics transformers on site. Every office engage experienced staff able to offer qualified advice with a careful analysis of customer's requests and the proposal of timely and effective solutions. The on-site presence ensures a prompt and immediate after-sales service through direct presence on the market. Each office engage business partners and technicians equipped of dedicated vehicles and equipment.

2/3

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FOR FURTHER INFORMATION +39 02 82283736 OR +40 21 4130745

A new opportunity to demonstrate the competitiveness and technical reliability of MORETTO's solutions with a complete range of auxiliary equipment and automation systems for feeding and conveying, dosing, drying, storage, grinding, thermoregulation, refrigeration and supervising systems.

MORETTO spa - Via dell'Artigianato 3, 35010 MASSANZAGO PD, ITALY - Tel. +39 049 9396711 - Fax +39 049 9396710 - Email: info@moretto.com - www.moretto.com

3/3

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