



→ Kastiva GmbH is the Beckhoff new distribution partner for Bulgaria. The company was established two years ago and is therefore a relative newcomer on the Bulgarian automation market. In addition to the head office in Sofia, Kastiva has two branches, one in Plovdiv in southern Bulgaria, and one in Varna, on the northern Black Sea coast, to be able to provide optimum customer support

## Kastiva GmbH takes on exclusive sales operations for Beckhoff products in Bulgaria

In the long term, Kastiva aims to make a name for itself as a competent and reliable partner for automation projects. General manager Katja Kirova said: "The cooperation with Beckhoff as a supplier of high-quality products and innovative system solutions is exactly how we had imagined." So far, Kastiva has dealt with customers from the following sectors: mechanical engineering, pharmaceutical, chemical and food processing industry, and environmental protection.

For Kastiva, Beckhoff's innovative PC-based control philosophy is the way to go. Ms. Kirova comments on her experience: "Bulgaria has excellent specialists for PC technology, and the younger generation in particular is very open towards new technologies." In June 2003, with support from Beckhoff, the company organized a 3-day workshop for system integrators, during which participants could familiarize themselves with the "New Automation Technology". The seminar was very well received. Ivan Ganev, manager for automation systems, said: "The most convincing thing for customers is successfully implemented applications."



The plastic injection moulding machines for PET bottles from Bulmach are equipped with Beckhoff control technology

### Flexible control technology for plastic injection molding machines

One application using Beckhoff products was realized at Bulmach, one of the best-known mechanical engineering companies in Bulgaria. Bulmach, a regular customer of Kastiva, designs and builds machines for producing PET bottles (blow-molding machines). Mr. Ganev said: "For two new machine types, we were able to get our customers to adopt an automation solution based on Beckhoff system components." Depending on the machine type and its specific requirements, Bulmach uses the CX1000 Embedded PC with CP6819 Control Panel or, for smaller machines, the BX3100 Bus Terminal controller with Cimrex panel.

### CX1000 controls special NC machine

Another Kastiva customer, the company Eltronik GmbH, designs, develops and assembles special machines. Eltronik was commissioned by Vidima, the Bulgarian subsidiary of American Standard – producers of high-quality sanitary fittings – to



Katja Kirova, general manager of Kastiva GmbH



Ivan Ganev, manager for automation systems at Kastiva



Another project based on Beckhoff products was the automation of a grain silo in northern Bulgaria. The task was the modernization and conversion of an old plant with sand silos for utilization as grain silos. The investor, Astra Finance, was quickly persuaded to use a PC-based controller for the complicated logistics. This project was a significant challenge for Kastiva, but it was mastered with great success.



The company Eltronik GmbH developed a special NC machine with CX1000 controller for Vidima, the Bulgarian branch of American Standard.



build a special NC machine for the surface treatment of fittings. The main requirements were high productivity, perfect repeatability and processing accuracy. The machining process consists of the uniform removal of the surface layer with the aim of creating a perfect surface. This requires consistent rotational speed, and the contact roller pressure has to match the contact surface accurately.

The machine, with a grinding head and 3 controlled axes for positioning, was commissioned in September 2003. The system is controlled using a CX1000 with a CP6819 Control Panel.

Regarding the control system, optimum price/performance ratio and the option of integrating a visualization system were crucial criteria. The CX1000 with Beckhoff Control Panel exactly met the particular requirements of the application. The CX periphery enables simple connection of the measuring systems and servo drives. A large number of program cycles are reliably archived via the CX1000 Compact Flash card. "The development and commissioning of a new machine within such a short space of time required a very flexible control system, such as that offered by the CX1000".

→ Kastiva GmbH  
ul. Uzundjovska, 3a  
1000 Sofia  
Bulgaria  
Phone: +359 (2) / 9 80 17 72  
Fax: +359 (2) / 9 87 95 84  
office@kastiva.com