The international magazine for the tube and pipe industries

TUBE & PIPE TECHNOLOGY

September 2010 | Vol 23 No 5 | US$33

Dreistern GmbH & Co KG

Germany — Hall 27 Stand E16

A GLOBAL oversupply of goods is forcing many producers of consumer goods to produce an increasing number of new products for any possible target group. As a consequence their suppliers have to deal with an increasing number of product variants and often drastically reduced lead times. Many tube and profile producers are not prepared to manage this challenge. Die change-over techniques require too much time. At the same time, the companies are forced to reduce their inventory cost in order to meet cost targets.

Dreistern has developed a number of technologies that allow for an efficient counter strategy. They target two main areas: reduction of the required time for a product change to a few minutes, in order to allow the producer to supply small batch sizes without the need for intermediate storing; and enhanced capability to produce completely different products on one production line. This provides the tube manufacturer with the possibility to not only produce round tubes but also complex welded and open sections.

Dreistern provides a number of possibilities to accelerate product change-over. An easy and fast way is a change-over analysis. Dreistern experience shows that a 50% reduction in change-over time can be achieved at relatively low cost, and the company has developed a procedure based on video recording.

Automatic adjustment of roll tools is another efficient option to accelerate product change-over.

Many operators know how much time and material could be saved, when adjustment of tools after production start-up could be avoided. The new TMA System targets this problem, and allows automatic measuring and adjustment of all roll tool parameters before production starts. The system ensures that all tool parameters are set and the new product can be produced within the required tolerances and without need for additional adjustment.

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Dynobend BV

Netherlands — Hall 11 Stand B44

DYNOBEND BV has developed two new types of machine.

The DP15T-16-2 tube end forming machine was developed with a new approach that made it possible to create a machine with a maximum of benefits for the customer. For example, the machine is able to end form both ends of the tube, even with different end forms, without the necessity of intermediate storage. This is possible because the machine works on two sides, with a total of 32 dies. The machine has four clamp positions. This, in combination with its freedom for clamping already bent products results in improved performance.

All movements are servo electric steered, and the deceleration energy is transferred to the next circuit, so the machine uses less energy. The machine is equipped with Dynobend PC steering, and is highly user-friendly.

The other new development is a complete new version of a combination bending machine, which combines mandrel bending with roll bending. Features include left- and right turn bending, free form roll forming and multi radii bending brought together in one machine.

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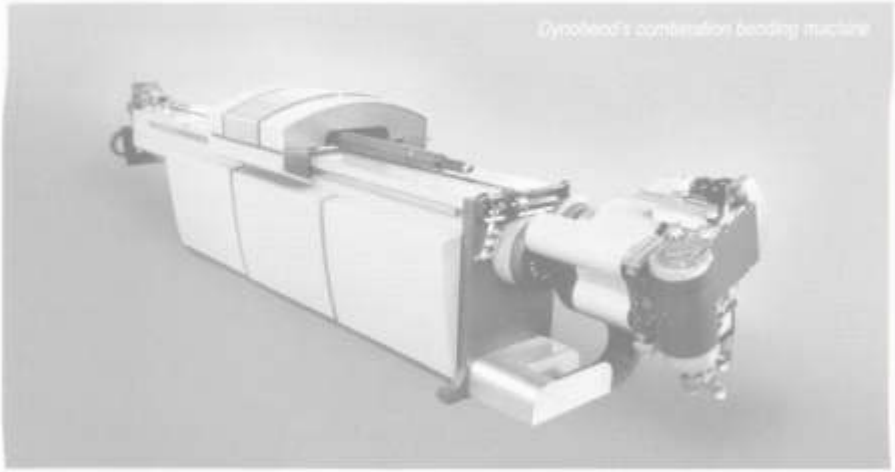

Dynobend's combination bending machine

Eckert Cutting Technology GmbH

Germany — Stand TBC

ECKERT, Germany, produces cutting machines operating in four main thermal technologies, and complete robotic workstations.

Cutting can be performed by oxygen, plasma, laser or water. This year the latest technology has been successfully implemented – fibre laser in the Diamond Fiber cutting machine. This 'green technology' significantly reduces consumption of electric power and additional gases.

Currently, worldwide there are more than 800 Eckert cutters, and customers include Daimler Chrysler Rail Systems, Rolls-Royce, Becker Warkop, Manesmann – Siegen, Siemens – Chemnitz, and GEA.

The company's water and plasma cutting machine Opal Waterjet Combo is a patented solution that allows the user to automatically cut out the edges of one element with two technologies, resulting in large time savings.

Eckert Company made the assumption that not all edges of a detail must be made in the most expensive and slowest water technology.

Some of the edges – selected by the technologist – can be cut with plasma, which is many times faster and cheaper than water.

Support 3D, which allows cutting and bevelling of plates, tubes and profiles, has a unique mechanical construction with the RACT system (Real Adjusted Cutting Trace). The company states that it represents a step forward in terms of speed and positioning accuracy.

With the availability of all thermal and water cut technologies, and a large park of demonstration machines, Eckert can fit the best possible technology to the needs of a customer.

In addition, machines are built in a way to be perfectly suited to the realities of a customer's production hall.

Thanks to a large service department, Eckert Company provides very fast and efficient service, and with the ability to connect machines to the Internet there is a possibility to make remote diagnostics of a device (online), to reduce the cost of service.

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