

■ **Press release 02 | 2009**

**Straightforward and inexpensive solution for fast pipe centring**

**Production of large diameter pipes much more efficient with ECCO!**

When large diameter pipes are produced, the start-up process is complex and lengthy. Pipe centring is the difficult part. An effective solution is now available with ECCO. The new ultrasonic measuring system by iNOEX makes pipe centring a fast process. On top, it adds to cost savings due to its high efficiency.

Different temperatures inside the extrusion die influence the melt's flow behaviour which leads to irregular wall thickness sizes around the circumference of the pipe. This applies in particular to pipes with a large diameter. It takes some time for the pipe to be measured and the extrusion die to be centred as line speed is low and mass throughput is high. A lot of material is used during this period of time. Costs occur which could have been avoided if an early centring device had been in use. The centring aid supplies data on wall thickness distribution right after production start based on which the die head can be centred straightaway.

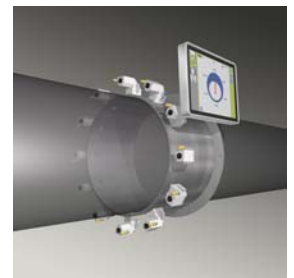
ECCO centring unit which is easy to operate was designed specially for this task.

Ultrasonic sensors mounted on the calibration sleeve measure wall thickness distribution as early as the pipe is calibrated. Measuring data is evaluated and automatically displayed on a 10 inch monitor. Any variation in wall thickness distribution is immediately visible and information is available on its exact location. Sections which are too thin or too thick can be compensated through manual adaptation of the extrusion die. This way, the pipe is already centred after a few metres and the production process can be continued precisely under the set conditions. The fast start-up and reduced start-up scrap save considerable costs so that the system purchase will have paid back after a few months only.

ECCO is easily retrofittable on a calibration sleeve. A special engineering package is available including a description for assembly and the water and power supply. The perfect solution is to combine the system with the flexible MAXFLEXX calibration sleeve by iNOEX for simultaneous adaptation of exterior diameters to different pressure classes. A purchase well worth considering when an investment is made into ECCO.

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Retrofit: ECCO on calibration sleeve



Ex works: ECCO with MAXFLEXX calibration sleeve

**About us:**

For more than 20 years, iNOEX has been the synonym for innovative measuring & control technology and process engineering in the plastic material industry. Long-term experience and revolutionary ideas have resulted in systems and solutions put into practice by a team of experts. Systems are finely tuned to requirements in the pipe, profile, cable and film extrusion. iNOEX is represented all over the world with its own subsidiaries and sales offices. The company has got 130 employees.

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