

## New assembly line for production of measuring unit V2: Convincing technology

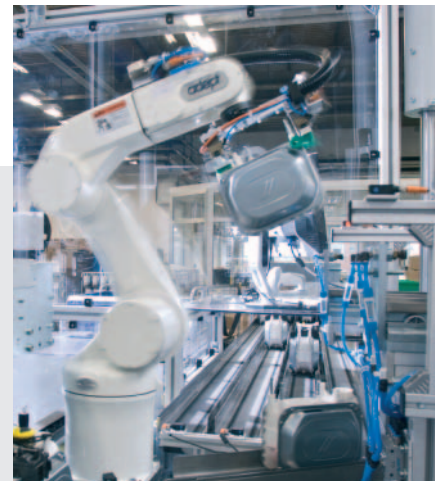
Good news for our customers and our company: in the first quarter of 2008, Elster is commissioning a new automated production line to assemble measuring units V2 and V2T at the production site in Osnabrück.

### Convincing quality features

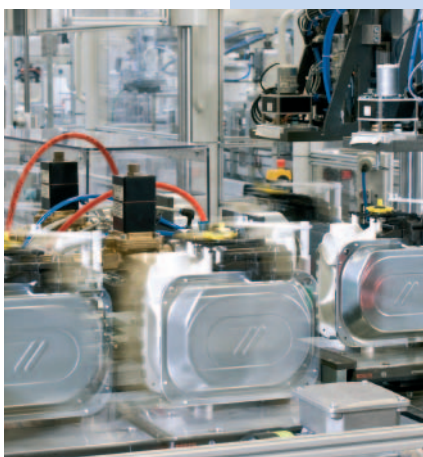
The production line design is based on the experiences gained from the existing assembly line. To increase its functionality, numerous features have been redesigned and optimised. The most important improvements to the assembly line are:

- More precise diaphragm assembly
- Dosing technology independent of temperature
- Optimised tightness test
- Calculated positioning of flag arms
- Measurement of assembly loads
- Central recording of production parameters for QA diagnostics

Even though the diaphragm gas meter is also a product that has vastly matured, with regard to its qualitative and metrological features, chances to improve it still come up again and again. At Elster, we know what we're doing when it comes to automated processes, so we could implement many ideas and improvements with the introduction of the new, automated production line. At many points this only involved slight nuances, but this had positive effects on the typical features of a diaphragm gas meter, such as gross error, error margin and pressure loss. Of course, we cannot go into all details at this point, as this would go beyond the scope of a short article.



steps can also be automated at a later point in time. In addition, it has been possible to successfully optimise the cycle times, in other words the throughput time for each individual measuring unit throughout the system.



### Customer benefit by bundling competence

The central competence in the Production and R&D departments will be concentrated in Osnabrück, thanks to the new production line. All Elster customers will benefit from this, even those outside Germany. At the same time, this investment will help to safeguard jobs.

### Increased economy

The system has, of course, also been designed to increase productivity. This means that in the gear assembly, for example, a higher degree of automation will be reached. Thanks to the modular structure of the system, further production

### Would you like to visit?

It really is a pleasure to watch the speed and precision with which the measuring units for diaphragm gas meters are produced in this new production line. If you would like to get an impression of our technology, why not simply come over one day and have a look round our production lines. It would be a pleasure to make this possible for you, if it is pre-arranged – please contact your regional sales staff, or you can also go to: [www.elster-instromet.com/de/ansprechpartner\\_aussendienstmitarbeiter.html](http://www.elster-instromet.com/de/ansprechpartner_aussendienstmitarbeiter.html) or apply directly to Hans Arp.