

# Elastocon®

Testing with precision

## Elastocon AB

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Our calibration lab is accredited by SWEDAC



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## We will be there – will you?

This year it is time again. At 10 o'clock Wednesday October 16th the doors will open for K 2019.

The exhibition that takes place every 3rd year in Düsseldorf, Germany is usually something many people from all around the world will visit, both as exhibitors and visitors.

Elastocon will as usual be in the stand that we share with our German distributor (company Richard Hess MVB GmbH) in hall 11, stand 11G42. If you visit the exhibition, we're hoping you will come by and say hello!

**We will show our new triple rig** (read more on page 2), some example of our sample preparation equipment, a stress relaxation rig and an ageing oven. But we are of course happy to discuss all instruments in our assortment.

According to a wish we will have a slightly higher focus on different type of ovens that you can have in the laboratory. So, if you are uncertain about the differences between a laboratory oven and a high precision ageing oven for polymeric materials you know where to go.

From Elastocon we will take turn to be there. During Saturday and half Sunday the stand will be without Swedish personnel.

We look forward seeing you!

The World's No. 1 Trade Fair for Plastics and Rubber



Above, the manual cutting press EP 08. To the left relaxation rig EB 02 and below cell oven EB 19 with 4 cells, each with individual temperature. Each cell has room for 24 test pieces.



Elastocon manufactures instruments for testing of rubber and plastic materials

- Specimen preparation
- Ageing ovens
- Stress relaxation and creep
- Low temperature testing
- Windscreen fogging
- Computerised testing
- Electrical tests
- Custom built instruments
- Calibration service

# Triple rig for testing according to ISO 6914

**During K 2019 we will, for the first time, display our new triple-rig for stress relaxation in tension according to ISO 6914 or other technical equivalent standards.**

The rig will naturally work for both test methods A and B. For test method C we recommend a different solution since that requires a somewhat customized tensile tester or similar.

- Method A is an excellent test method foremost for ageing of rubber where the relaxation correlate with the change in elongation at break for the material.
- Method B measure the change in the module/stiffness in the material.
- Method C is like method B but with another specified test equipment.

From the name you understand that this solution will enable triple tests in the same rig. This means that you save a lot of space in your laboratory. Instead of as traditionally use three rigs for a triple test you can now run all three in the same rig. The biggest space saver is the fact that you don't need as many cell ageing ovens for your relaxation tests.

In spite the three times larger capacity in each rig they will still fit into our cell ovens designated for relaxation tests.

As default a load cell for forces up to 100 N will be mounted for each sample position in the rig. 100 N has proven to be sufficient for most tension tests and using a larger load cell than necessary will reduce the accuracy.

**Do you want to know more?  
Contact us, we will be happy to help you!**



## Rack with extendable shelves for ageing ovens, ERACK11

Elastocon has developed a rack with extendable shelves for ageing ovens, ERACK11.

The two lower shelves are extendable and are suited for cell ageing ovens EB 01-II, EB 19 or EB 20. On top is a fixed shelf for aging cabinets.

Please contact us for more information and quotation.



## Test tube rack for liquid testing

Elastocon offers a new test tube rack, with room for 15 test tubes, for liquid testing in a lab oven.



## Customer visit

During a couple of days in August we had the pleasure to welcome some customers from Poland who, among other things, took a closer look at our low temperature compression set (LTCS).



*Arleta Swierkocka, Ann-Cathrine Magnå and Pawel Nowacki.*

# Intensive weeks with many travels

During the months of May and June I had some intensive weeks with many travels.

I started in Italy (May 6–10) for both an installation and an additional customer visit. This was followed by a trip to USA (May 13–24) during which I had two installations in different states and an additional customer visit.

In June 10 I went to a third state in USA for another installation and came home June 15.

Early Sunday morning June 23 I went to Germany for an intensive week with different customer visits together with Petra from our German distributor.

During this period I installed the following instruments:

- Stress relaxation (in two different locations)
- Stress relaxation with cycling temperatures (-40 to +200 °C)
- TR-tester (temperature retraction)
- Combined TR- and Brittleness tester

I also have some colleagues who helped me with some other installations during these months.

*Anna Anderzén*

## Installation of LTCS in Malta

In mid-May this year I had the privilege of going to Malta on a business trip.

There I installed an LTCS system at Trelleborg Sealing Solutions Malta.

LTCS stands for *Low Temperature Compression Set* and it is a system we manufacture where you continuously measure compression set at low temperatures without touching the sample or taking the sample out of the freezer.

Trelleborg Malta have purchased a system with three rigs but with the capacity for adding three more rigs when required. The test prescribes triple tests and with six stations you can test two materials at the same time.



*Ann-Cathrine Magnå*



## Installation of EB 17 in the US

In July Andrés Svensson went to the US for an installation of a cell oven EB 17 for relaxation testing at a customer who upgraded their existing relaxation system.

Cell oven EB 17 has six cells with the same temperature and can be programmed for cycling temperature from -40 °C up to +245 °C.

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