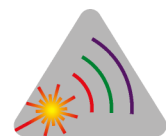
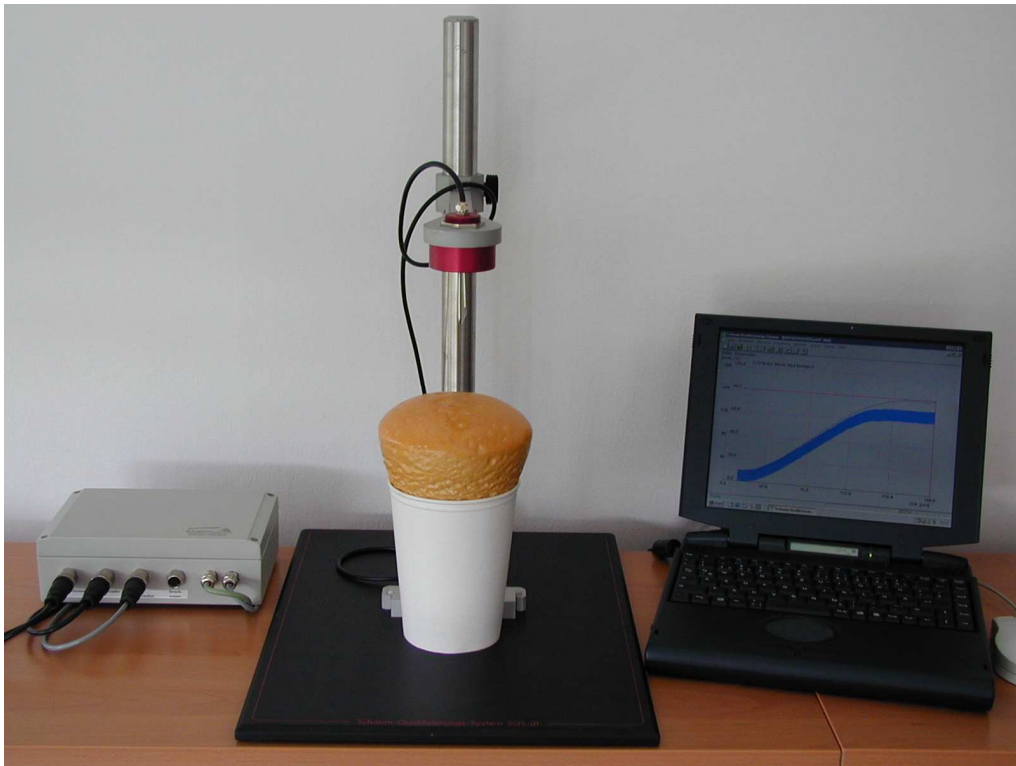


FOAM - QUALIFYING - SYSTEM

SQS - 01



Non-contact foam height-measuring system SQS-01 for quality grading of PUR-foams according to their rise behaviour

The automatic processing of PUR foams requires high consistency properties of the foam to be processed. One characteristic parameter for registering these properties by measuring technique is the foam's rise behaviour and the parameters, which can be derived from it, such as:

- rise time, start of rise
- max. rising height
- rise speed
- shrinkage, etc.

The new **Foam Quality-Grading System SQS-01** has been developed as a laboratory and production measuring system.

During the development of this system, we intentionally reverted to the well-established components, which we are employing for foam measuring for years.

The operational software is the foam-height measuring software under Windows, a consistent further development of the DOS software. The **SQS**-system is already in operation at many well-known foam manufacturers and processing companies - such as BMW, DOW, Elastogran, Goldschmidt, etc. Apart from the measuring applications described above, the software also provides the following options:

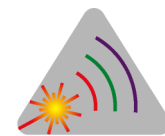
- curve comparison of several measuring curves
- comparison of one measuring curve with a master curve
- tendency indication
- magnifying certain curve areas (zoom)
- gel time determination
- data export (e.g. to Excel)
- temperature measuring
- pressure measuring

A high-definition ultrasonic-sell-radiator is used as a transducer. The ultrasonic device has been designed as a compact unit which can be used with the serial port of standard PCs or Notebooks.

The comprehensive all-inclusive system consists of:

- ultrasonic measuring system
- PC with colour monitor and colour printer
- data-input cards and I/O card
- telescopic measuring support with sensor for measuring start
- foot control
- foam-height software, version 4.3, incl. all optional features
- documentation

Our systems are recommended by DOW, ICI and Elastogran.



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