



SEQUENTIAL END SAMPLING SYSTEM

Fastest response on irregularities at every single filament spinning position in order to avoid big batches of inferior quality or waste - this is the major aim of today's quality assurance in the filament industry. Our **SESS** is your solution!

With Lenzing Instruments **SESS** together with our respective filament testing instruments, it is now easy to realize a new „in-stream“ or „atline“ concept by moving your quality control from the laboratory right into the product workflow. This approach opens the way to a number of advantages like increased test frequency together with an overall reduction of operator's workload at the same time. Due to an integrated expert system concept which guarantees for objective quality decisions, the quality control can be performed automatically by production staff and does not require the presence, the background and the expertise of any specialized laboratory personnel.

SESS is a management system which organizes the concerted operation of the automated filament testing instruments **ACW 600/DVA**, **DTI 600**, **RAPID 600**.

SESS physically handles all the ends from a transport buggy or shuttle automatically by subsequently feeding them to the connected testing instruments. With this proven at-line concept main quality data is achieved within minutes after the yarn bobbins have left production.

FILAMENT TESTING



Scope:

The concept of sequential end sampling is focused on increasing testing frequency, going hand in hand with reduction of the operator's workload. Moreover, the expert system of each connected testing instrument allows for an objective and efficient quality evaluation.

Method:

All yarn ends from a shuttle or creel are subsequently guided to the connected instrument(s) on a pneumatic air stream by the **SESS**. All what is required from the operator is to feed the yarn ends to the **SESS** and to press the „start“-button in the software program of the connected instrument(s).

Results:

The expert system of each connected testing instrument displays measurement results graphically and numerically during the measurement. Analysis is made easy by means of statistic reports including special key figures which enable quick reactions to any quality deviations.

Sample feeding:

Automatic pneumatic string-up and instrument feeding

Number of bobbin positions:

Tailored to customers needs; from 6 up to 24 positions, adapted to buggies or shuttles in use

Control system:

Totally computer controlled by the connected testing instrument via RJ 45 interface connection

Temperature range:

max. 35 °C

Relative humidity:

max. 90 %, non-condensing

Protection class:

IP 54

Air supply:

90 psi instrument air
20 scfm (6 bar, 0.6 Nm³/min)

Power supply:

24 VDC
Optionally 100 - 240 VAC
50/60 Hz
Max. power: 312 VA

Dimensions:

The dimensions and weight of a specific SESS unit depends on the number of positions

Technical data and pictures are subject to change.