



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. At the same time, **SESS** manages the entire data transfer between a central (host) computer and the testing instruments. With this proven at-line concept you achieve the main quality data within minutes after the bobbins have left production.

FILAMENT TESTING

Scope:

The concept of intelligent sequential end sampling is focussed on increasing testing frequency, going hand in hand with reduction of operator's workload. Moreover the **SESS** allows for an objective and efficient quality evaluation through the included expert system.

Method:

All the ends from a shuttle or creel are subsequently guided to the connected instruments on a pneumatic air stream by the **SESS**, which at the same time takes care for the appropriate data management. **SESS** monitors the tests of every single end and collects all the results, which are passed back to the host system. All what is required from the operator is to feed the ends to the **SESS** and to press the „start“-button.

Results:

Sample identifications together with the individual test settings for every single bobbin are communicated from an external computer (host system) via the **SESS** to the connected testing instruments. Test results are collected by the **SESS** and reported back to the central host computer.

Sample feeding:

Automatic pneumatic string up and instrument feeding

Number of bobbin positions:

Tailored to customers needs. 6 to 24 positions, according to buggies or shuttles in use

Power supply:

230 / 115 VAC \pm 10 %, 50 / 60 Hz, 750 W

Control system:

Totally computer controlled data exchange with external sources (host computer, data server, etc.) via serial port or network communication

Dimensions:

Height: 1500 mm
Width: 1200 mm
Depth: 1000 mm
Weight: approx. 250 kg
(May vary according to customer's specifications)

Air supply:

90 psi instrument air,
90 scfm (6 bar, 2.7 N³/min)

Options:

- SESS to handle 2 instruments sequentially
- OPC UA interface

Technical data and pictures are subject to change!

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