

Special Training Course on the USE OF USTER® HVI AND AFIS



Central Institute for Research on Cotton Technology
Matunga, Mumbai 400 019

**Special Training Course on the
USE OF USTER® HVI AND AFIS
in Collaboration with
Zellweger Uster (India) Pvt. Ltd. (ZUI)**

Why Special Training ?

At a time when the Indian cotton economy is being integrated with world economy it is important to ensure that cotton and cotton textiles exported from India are in no way inferior to those available in the international market. Exercise of quality control at every stage of textile processing right from raw material selection is the best way to achieve this objective.

The High Volume Instrumentation (HVI) system has established itself as the most effective tool in material selection and bale management.

The Advanced Fibre Information System (AFIS) holds immense potential not only in the evaluation of certain special quality parameters of raw cotton but also in process control in textile mills through proper scheduling of machinery maintenance. The use of AFIS would ensure fewer quality related problems in the finished product.

About 110 HVI and 45 AFIS units supplied by ZUI are in active use in textile mills in different locations in India. The Round Test organised by CIRCOT for HVI users in the country in 1997 had clearly brought out the need for training programme for the users to ensure effective utilisation of the instrument both in quality evaluation and quality control.

To meet the training needs of HVI and AFIS users, CIRCOT has initiated special training courses at regular intervals in collaboration with ZUI.

What is so special about the training ?

The training is unique in several respects :

- * **Faculty** : CIRCOT technical officers who have undergone Trainers' Training at Zellweger Uster, Fibre Division, Knoxville and Technical Experts from ZUI.
- * **Number of Trainees** : To ensure individual attention to each trainee, the number of trainees is restricted to six in a batch.

* **Course Content** : The programme is tailor-made to suit the Indian user and is supervised by ZUI.

* **Duration & Course Fees** : 5 days (HVI & AFIS) Rs. 10,000/-
3 days (HVI only) Rs. 7,500/-
2 days (AFIS only) Rs. 5,000/-

Who can participate ?

Personnel from the quality control departments of textile mills having HVI/AFIS or intending to purchase these instruments.

Fibre testing personnel from trade and textile associations using HVI and AFIS or planning to procure these instruments in the near future.

Course Content

Introduction : An outline of the main stages in cotton growing, harvesting, ginning, marketing and processing; need for objectivity in testing.

HVI System : Introduction; theoretical background; calibration cotton and calibration of instrument; procedure for testing; repeatability and reproducibility of test results; importance of humidity during storage and testing of cotton; interpretation of HVI test data; bale management.

Advanced Fibre Information System (AFIS) : Introduction; theoretical background; calibration of instrument; procedure for testing; interpretation and use of test results in quality control.

About CIRCOT

CIRCOT established in 1924, is a research institute under the India Council of Agricultural Research. The main objective of the Institute is to support cotton improvement research by evaluating the quality of new strains evolved at agricultural research stations in India and to provide necessary technological inputs that will promote cottons meeting the quality requirements of the textile industry. In addition, the Institute also functions as a National Centre for education and training in cotton technology and related areas.



CIRCOT, Mumbai

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