

International Student Exchange Programme: Report

Name : Laurent Verbrugge
Company : The Südwole GmbH & Co.KG
Stay : 04/07/2006 – 26/09/2006

During the first two months, I've been working in the dyehouse, called "Dye Co". I got a training on four different levels:

1. Physical testing

Working with the physical testing team in the laboratory, testing all production batches for all physical parameters as specified by the customers.
Assessment of test results and reporting.

2. Laboratory dyeings and data base

Working in the recipe formulation department of the laboratory, assisting with the production of lab dyed samples for submission to customers.
I was also involved with the preparation of reference dyeings for DCI match computer data base for basic dyes on acrylic substrate.

3. Assessment of colour evenness

Assisting with the preparation of knitted samples for all batches of dyed yarn and their assessment for colour evenness.
Also involved in technical discussion where revision or modification of dyeing procedures, dyestuff selection or change of dyeing machine conditions were deemed necessary to optimize dyed results on future batches.

4. Treepoint

Assisting with the introduction of Treepoint technology to assess the accuracy of dye concentrations in dye solutions prior to dyeing by measuring transmission values using a spectrophotometer.
Use of Treepoint to carry out batch corrections to attempt to reduce colour difference between batch and standard.
Use of Treepoint to carry out batch corrections to attempt to reduce colour difference between batches of the same shade.

The last two weeks of my stay, I have worked in the lab of the three spinning mills. There, I've worked together with the physical testing team, testing all production batches for all parameters as specified by the customers