

TECHNICAL TUESDAYS

TOPIC: Slasher / Sheet Dyeing Process

REF: TT/ MAR 2017/ WK 3

Description of Slasher / Sheet Dyeing:

In a continuous slasher / sheet dyeing and sizing machine, direct warping beams are used instead of ball warping logs with respect to Indigo rope dyeing system.

The Slasher Dyeing machine is capable of handling Ne count from 9/s to 30/s (OE and Slub both).

At the back end of the slasher / sheet dyeing range, the direct warping beams are creeled. The yarns sheet from each beam is pulled over and combined with the yarns from the other beams so that multiple sheets of yarns are created.



ADVANTAGES:

Slasher dyeing range have a number of advantages. They directly produce the sized beam which are ready to use during weaving. Sheet Dyeing method has the following advantages:

1. Slasher dyeing is more comfortable for the production of lightweight denims
2. These machines require less floor space
3. Enable smaller production runs
4. They have a quicker turn over time
5. The technology is less capital intensive and the cost of machinery is low
6. The cost of production is low



7. Different types of dye can be used to dye the cotton in this range. Hence the slasher dyeing technique can produce a wide variety of colors other than indigo blue
8. Rope opening is avoided, as in the case of rope dyeing
9. The time required for immersion and oxidation are much shorter than rope dyeing

Disadvantages:

1. Sheet dyeing causes a center to selvedge shade variation
2. The hydrosulphite consumption is much higher owing to the greater surface

Wishing you a great week ahead!

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