

## References

1. Van der Sluijs MHJ, Hunter L. A review on the formation, causes, measurement, implications and reduction of neps during cotton processing. *Textile Progress* 2016; 48(4): 221-323.
2. USTER® News BULLETIN magazine, 2014, No. 50, 41
3. Uster®. Instruments : Uster Technologies. [Online].; 2011 [cited 2017 6 7. Available from: <https://www.uster.com/en/instruments/fiber-testing/uster-hvi/>.
4. Instruments: Uster Technologies. [Online].; 2011 [cited 2017 6 7. Available from: <https://www.uster.com/en/instruments/fiber-testing/uster-afis-pro/>.
5. Örtlek HG, Sarıtaş Ö, Meriç A. Uster Afis sisteminin organik pamuk ipliği üretiminde kullanımı. *Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi*. 2010; 26(1): p. 27-33.
6. Üreyen ME, Kadoglu H. Regressional estimation of ring cotton yarn properties from HVI fiber properties. *Textile Research Journal* 2006; 76(5): 360-366.
7. Ureyen M, Kadioglu H. The prediction of cotton ring yarn properties from Afis fibre properties by using linear regression models. *FIBRES & TEXTILES in Eastern Europe* 2007; 15, 4(63): 63-67.
8. Ozcelik G, Kirtay E. Examination of the influence of selected fibre properties on yarn neppiness. *FIBRES & TEXTILES in Eastern Europe* 2006; 14(3): p. 525.
9. Faulkner WB, Hequet EF, Wanjura J, Boman R. Relationships of cotton fiber properties to ring-spun yarn quality on selected High Plains cottons. *Textile Research Journal* 2012; 82(4): 400-414.
10. Frydrych I, Matusiak M. Predicting the nep number in cotton yarn-Determining the critical nep size. *Textile Research Journal* 2002; 72(10): 917-923.
11. Hequet EF, Abidi N, Ethridge D. Processing sticky cotton: Effect of stickiness on yarn quality. *Textile Research Journal* 2005; 75(5): 402-410.
12. Abidi N, Hequet E. HPLC of insect honeydew deposits collected from the high speed stickiness detector. *Textile Research Journal* 2005; 75(4): 362-370.
13. Ethridge MD, Towery JD, Hembree JF. Estimating functional relationships between fiber properties and the strength of open-end spun yarns. *Textile Research Journal* 1982; 52(1): 35-45.
14. Stuhlfauth N. ITMF International Committee on Cotton Testing Methods. Bremen; 2004.
15. Turkish Standards Institution. TS EN ISO 139 - Standard atmospheres for conditioning and testing. Ankara; 2008.
16. RIETER. The blowroom installation as a sequence of machines - Rieter. [Online].; 2008 [cited 2017 6 7. Available from: <http://www.rieter.com/tr/riepedia/articles/fibre-preparation/the-blowroom/summary-of-the-process/the-blowroom-installation-as-a-sequence-of-machines/>.
17. USTER®. USTER® HVI Test Results. Uster/Switzerland; 2008.
18. Gordon S. Cotton fibre quality. In Gordon S, Hsieh YL, editors. *Cotton: Science and technology*. Cambridge: Woodhead Publishing Limited; 2007. p. 68-100.
19. Zeidman MI, Batra SK, Sasser PE. Determining Short Fiber Content in Cotton. Part II: Measures of SFC from HVI Data&mdash;Statistical models. *Textile Research Journal* 1991; 2(106-113): p. 61.

20. USTER®. U\_AFIS\_PRO\_2\_A\_new\_single.pdf. [Online].; 2008 [cited 2017 6 7. Available from: [http://usterquantum.com/fileadmin/customer/Knowledge/Textile\\_Know\\_How/Fibre\\_testing/U\\_AFIS\\_PRO\\_2\\_A\\_new\\_single.pdf](http://usterquantum.com/fileadmin/customer/Knowledge/Textile_Know_How/Fibre_testing/U_AFIS_PRO_2_A_new_single.pdf).
21. Kretzschmar D.S, Furter R. A new single fiber testing system for the process control in spinning mills. Application Report. Uster/Switzerland; 2008.
22. Uster Statistics. Application Handbook\_Uster\_Statistics - Uster Technologies AG. [Online].; 2013 [cited 2017 6 7. Available from: [https://www.uster.com/fileadmin/customer/Services/USTER\\_Statistics/Application\\_handbook\\_USTER\\_Statistics\\_2013.pdf](https://www.uster.com/fileadmin/customer/Services/USTER_Statistics/Application_handbook_USTER_Statistics_2013.pdf).
23. Cotton Incorporated. Classification of Upland Cotton - Cotton Incorporated. [Online]. [cited 2017 6 7. Available from: <http://www.cottoninc.com/fiber/quality/Classification-Of-Cotton/Classification-Upland-Cotton/>.
24. Leica Microsystems. Leica EZ4 D - Images: Leica Microsystems. [Online].; 2017 [cited 2017 6 7. Available from: <https://www.leica-microsystems.com/products/stereomicroscopes-microscopes/details/product/leica-ez4-d/gallery/>.
25. Sands L.A. F, JE, Little HW, Grant JN. Effect of cotton fiber bundle break elongation and other fiber properties on the properties of a coarse and a medium singles yarns. *Textile Research Journal* 1956; 26: 553-564.
26. Wakeham WP H. Cotton quality and fiber properties. *Textile Research Journal* 1956; Part IV. (26): p. 177-191.
27. Aggarwal SK. A model to estimate the breaking elongation of high twist ring-spun yarn cotton yarns-part I: derivation of the model for yarns from single cotton varieties. *Textile Research Journal* 1989; 59: 691-695.
28. Negm MA, Sanad SH, Kugler G. A Comparison of HVI, AFIS and CCS Cotton Testing Method. In Committee ICA, editor. *12th Meeting of the Inter-Regional Cooperative Research Network on Cotton for the Mediterranean and Middle East Region*, 2015, Sharm El-Sheikh / Egypt.
29. Fiori LA, Brown JJ, Sands JE. Effect of cotton fiber strength on single yarn properties and on processing behavior. *Textile Research Journal* 1954; 24(6): p. 503-507.
30. Anon. *American Wool and Cotton Reporter* 1951; 65(9):17-18, 55.
31. Frydrych I, Matusiak M. Trends of AFIS application in research and Industry. *FIBERS & TEXTILES in Eastern Europe* 2002; 10(3): p. 35-39.
32. Abidi N, Hequet E. HPLC of insect honeydew deposits collected from the high speed stickiness detector. *Textile Research Journal*. 2005; 75(4): 362-370.
33. en\_USTER\_HVI\_1000\_TD\_2015\_11.pdf. [Online].; 2015 [cited 2017 6 7. Available from: [https://www.uster.com/fileadmin/customer/Instruments/Fiber\\_Testing/HVI/en\\_USTER\\_HVI\\_1000\\_TD\\_2015\\_11.pdf](https://www.uster.com/fileadmin/customer/Instruments/Fiber_Testing/HVI/en_USTER_HVI_1000_TD_2015_11.pdf).
34. Perkins HH, Barger JD. Factors affecting short fiber content of cotton. Bremen, 1982.
35. Rogers CD. *Influence of ginning on spinning performance and yarn quality*. New Orleans/Los Angeles, 1997.