

## References:

- [1] S. D. Eppinger, "Three Dynamic Problems in Robot Force Control," IEEE Robotics & Control., vol. 8, pp. 751-758, Dec 1992.
- [2] Kondratas, "Robotic Griping Devise for Garment Handling Operations and its Adaptive Control," Fibres and Textiles in Eastern Europe., vol. 13, pp. 84-89, Oct/Dec, 2005.
- [3] S. Kelegama, "Readymade Garments Export From Sri Lanka," Journal of Contemporary Asia, Vol. 39, No. 4, pp 579 – 596, 2009.
- [4] S. R. Bernd, T. Michael, S. Steffen, R. Daniel, O. Mehmet-Emin and H. Torsten, "Applying Autonomous Control in Apparel Manufacturing," M. Eng. Thesis, University of Bremen, Bremen, Germany, Jan. 2010.
- [5] V. Q. Huy, N. Thanh Ha, C. C. Loi, N. V. Tien, V. T. Thanh and N. Thang, "Textile and Garment Industry in Vietnam," Hanoi National Economics University. Hanoi Tech. Rep, Nov. 2001.
- [6] R. K. Mittal and I.J.Nagrath, "Robotics and Control," 10<sup>th</sup> ed. Tata McGraw-Hill, pp. 35 – 338, 2008.
- [7] Automated ~~University of Moratuwa, Sri Lanka~~ Production, Duerkopp Adler Product Manual, 2009.
- [8] M. A. Pashid, "Rise in Readymade Garment in Bangladesh," in Pros. World bank and BIDS Asi. Report. BD/1624/2K3/ SN .Nov, 2006.
- [9] Automated Sewing Systems, ASS Product Manual, 2009.
- [10] <http://www.SMCworld.com>, 21<sup>st</sup> February 2010.
- [11] Autonics 5<sup>th</sup> Total Catalogue, Autonics Product Manual, 2010.
- [12] M. Mitsuo, "Fabric Handle and Its Basic Mechanical Properties," Journal of Textile Engineering, Vol. 152, No.1, pp. 1-8, 2006.
- [13] P. D. Dubrovski, P. F. Cebacek, "Analysis of the Mechanical Properties of Woven and Nonwoven Fabrics as an Integral Part of Compound Fabrics," Journal of Fibres and Textile in Eastern Europe, Vol. 13, No 3, pp. 50 – 53, 2000.
- [14] T. G. Clapp, "Characterizing and Control of Fabric Properties Textile and Apparel Manufacturing," National Textile Centre Annual Report, England, pp. 177 – 186, 1993.
- [15] Z. Rukuiziene, R. Milasius, "Inequality of Woven Fabric Elongation in Width and Change of Wrap Inequality Under Axial and Bi-Axial Tensions," Journal of Fibres and Textile – Eastern Europe, Vol. 14, No 1, pp. 36 – 38.

- [16] A. Das, V. K. Kothari, and N. Vandana, “A Study on Frictional Characteristics of Woven Fabrics,” AUTEX Research Journal, Vol. 5, No3, pp 133 – 140, 2005.
- [17] H. Sun, N. Pan, “Shear Deformation Analysis for Woven Fabrics,” Science Direct Journal, pp. 317 – 322, 2004.
- [18] R. Choudhury, “Modern Control Engineering,”<sup>3<sup>rd</sup></sup> ed. Vol. 1. Prentice-hall. India, pp. 47-119, 2006.
- [19] J. E. P. Puig, N. E. N. Rodriguez, and M. Ceccarelli, “ A Metrology for Design Robot Hands With Multiple Fingers,” International Journal of Advanced Robotic Systems, Vol. 5, No. 2, pp. 177 – 184, 2008.
- [20] S. Arimoto, and M. Yoshida, “Modelling and Control of 2D Grasping Under Rolling Contact Constraints Between Arbitrarily Shaped Objects: a Riemannian Geometry Approach,” Vol., HINDAVI Journal of Robotics, 2010.
- [21] V. F. Romano, “Semi Passive Arm Concept to Support AUV’s Activity,” vol 3, ABCM Symposium of Mechatronics, pp. 336 – 346, 2008.
- [22] L. Udwatta, and B. Jayasekara, “Computer Aided Simulations”, New Delhi, Narosa Publishing, pp. 63 – 89, 2009.
- [23]  University of Moratuwa, Sri Lanka  
Electronic Theses & Dissertations  
<http://www.shaco.com>, 11<sup>th</sup> February 2010.
- [24] P. Surinder,  “Design of Remote Control Gantry Mechanism for SCARA Robot,”Texas A&M University.” Unpublished, 2007.
- [25] V. Fereira, and V. F. Romano, “A Design Methodology for the Compensation of Positioning Deviation in Gantry Manipulator,” no 2. Vol 24, Journal of the Brazilian Society of Mechanical Science, pp. 1 – 28, 2002.
- [26] R. Karwa, “Machine design,” 2<sup>nd</sup> ed. L. Publications. India, pp. 13 – 39, 280, 297, 516-556, 1999.
- [27] SKF Product Manual, High Precision Bearings, 2010.
- [28] <http://www.pbclinear.com>, 07<sup>th</sup> May 2010.
- [29] A.B. Gupta, “Practical Handbook for Mechanical Engineers,” Galgotia Publications, New Delhi, pp. 50 – 59, 61-75.
- [30] R. K. Jain, “ Machine Design,” Khanna Publications, Delhi, pp.100 – 122, 133 – 207, 407 – 416, 858 – 886, 1996. (bearing)
- [31] S. Singh, “ Mechanical Engineering Handbook,” 2<sup>nd</sup> ed, Khanna Publications, Delhi, pp. 312 – 317, 596 – 616, 1176 – 1189, 1553 -1558, 2003.
- [32] <http://www.xinje.com>, 12<sup>th</sup> June 2010.

- [33] S. N. Verma, "Automatic Control Systems," Khana Publications, Delhi, pp. 90 – 99, 1995.
- [34] M. A. Martinez, C. Navarro, R. Cortes, J. Rodriguez, and V. S. Galvez, "Friction and Wear Behaviour of Kevlar Fabric," Journal of Material Science, pp. 1305 – 1311, 1993.



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