

Effect of different textile structures on Modern sewing seam**Dr/ Shaimaa Mustafa Ahmed Mohamed****Lecturer at Faculty of Applied Arts -Helwan university**shaimaadesign@yahoo.com**Assist. Dr. Kariman Ali Bek Abd El-Rahman****Assistant lecturer at Faculty of Applied Arts -Helwan university**karimanalibek@yahoo.com**Abstract:**

People who are interested in the ready-made garments industry works hard to improve the efficiency of both manufacturing and production process. In addition, they work hard to reduce the resulting defects by knowing the causes and try to prevent it. One of the most important efforts in this regard is to use modern production technology in the manufacture of ready-made garments. Modern manufacturing technology and fashion trends affect the fashion designers thought globally in the ready-made garments industry field. So, it is important to benefit from modern technology in the clothes production process. In particular, the aim of this modern technology is to produce clothes that perform specific functions meanwhile have a beautiful appearance that follows the international fashion trends. It is important to considered the garment products functionality when assembling different fabrics and during the production and manufacturing processes during the designing process. This is because of its nature such as the direction of the fabric, comfort, balance and drape on the body. So, it requires a technical approach that is consistent with its natural and mechanical properties.

Each product has its functional characteristics which are the main determinant of its design lines and are derived from the effects of the used materials, the elongation ratios of cloth, the nature of this product and standard specifications.

Keywords: Ultrasonic Welding, Sewing Quality, Mixing Fabrics, Seam Types.