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DESIGNING CLOTHES USING MODERN SOFTWARE

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ABSTRACT

In this article, it is considered necessary to achieve specific results in the production of materials and finished products that meet international standards, and certification of finished products taking into account the requirements of foreign markets in textile and sewing-knitting industries.

KEYWORDS

Needle wave, speed, shear, deformation, strong break, fabric thread, thickness, leather, assortment.

Introduction

In recent years, complex measures have been implemented in the republic to develop the textile, sewing-knitting, leather-shoe and fur sectors of the light industry, to expand the types and assortment of manufactured products, as well as to comprehensively support the investment and export activities of the enterprises of the sector. Including the production of materials and finished products that meet international standards in the enterprises of the textile and sewing-knitting industries, it is considered necessary to achieve specific results on the certification of finished products taking into account the requirements of foreign markets.[1]

The results that the authors of the modern automated design programs, which are being created now, are promoting are the ability to satisfy the demands of every customer who comes to production, the ability to rapidly prepare a new model that will meet the capacity of the entire enterprise in a short period, etc.

Algorithms form the basis of the mathematical support of the design process automation system; according to these algorithms, the software of the automation system of design processes is developed. The elements of mathematical support in the system of automation of design processes are different. Among them, there are invariant elements - the principles of creating functional models, methods of numerical solution of algebraic and differential equations, setting extremum problems, and searching for extremum. Today, there are the following types of automated design systems programs in the world, which are used in the construction of clothing structures of various combinations. Their types:

- salsa technology; -Gerber technology;-Assol technology;
- AutoCAD technology; -Asusttechnology;-Gemin Cad technology;
- *Lectra technology; -comtense technology;-cybrid technology;*

From there, we will get acquainted with the programs of Gemini.

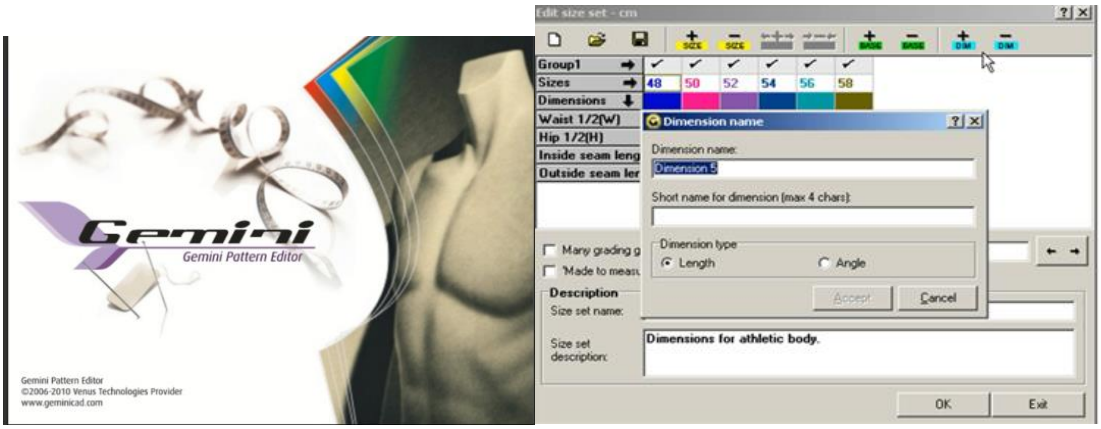

Figure 1. Work window of Gemini technology program

Modern ALT includes the following technical tools:
The processor is the main processor of the computer, performing all its functions, the operator device is a component. All programs and operating devices are stored in the memory of the processor (internal memory).

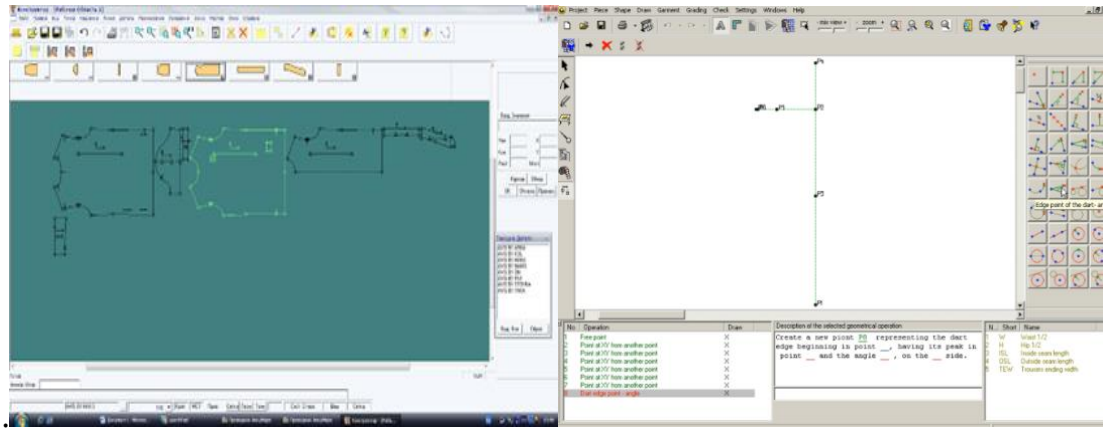

Figure 2. Geminin technology program to enter dimensions

A monitor is a screen of the computer, on which all the programs that are running directly during operation are visible.
Work table - this equipment is a rectangular drawing table with a width of 2 m. 3 m long. The table is attached to special legs. its slope can be changed as desired. The surface is covered with a special photocell substance. 2 cm from the edges. the digitizer does not work at a distance.
Digitizer is a numbering device. The modern look of the mouse. Digitizer - consists of 4 or 16 buttons. Plotter- used for printing large-scale drawings. At the operator's request, it is possible to print the details individually or with ready-made templates at any scale. Printer- can be printed on a small scale from the computer's memory or collected during the work process.[2]

In the joint enterprise "Narimteks" operating in the city of Margilon, Fergana region, men's and women's outerwear and light clothes are developed, taking into account hygienic features.

At the enterprise, garments are designed using the Gerber technology program, and the quality of fabrics is checked on the "Cetron" equipment. Fabrics are laid on "Otaman" brand equipment, fabrics are cut with "Tesan" and "Sabri" machine equipment, and items are sewn on "Protex" and "Tupical" sewing machines.

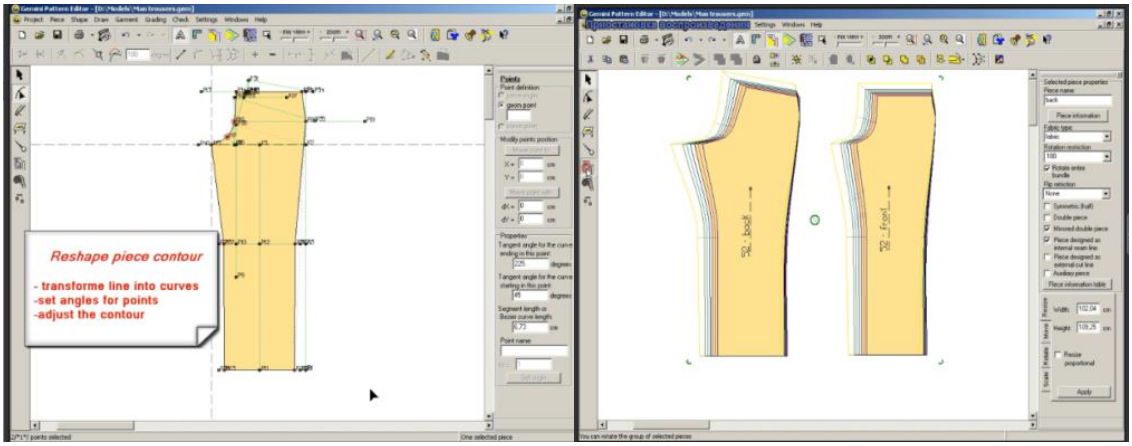

Figure 4. Creation and gradation of pants construction in Gemini technology program.

Conclusions

With the help of such modern technological equipment, modern and high-quality sewing products are produced in our Republic today, and 80-90% of them are exported to foreign countries, mainly Russia, Turkey, China, Kazakhstan, Tajikistan, Turkmenistan, and India, and economic efficiency is achieved by saving raw materials. is achieved.

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