

APPLICATION OF MODERN TECHNOLOGIES IN PROCESSING CLOTHING DETAILS

Mamatqulova Qunduzxan Umarovna

Tashkent State Technique University Kokand branch

Materials science and sure sciences department

Abstract:

This in the article clothes to the details modern technologies apply about data given

Keywords: designer, 3D printing output, product, individual needs , design

Clothes to the details processing in giving modern technologies apply many in areas including design , production release , and quality control such as processes efficient to do help will give . Below this technologies some of them cited :

1. 3D Printing release (3D Printing): 3D printing release technology to designers complicated and unique to the details have clothes to create possibility will give . This technology clothes prototypes in creating , as well as individual needs customized products work in release is used .

2. Laser cutting and engraving : Laser cutting and engraving technologies fabrics and another materials sure cutting and decorate for is used . This is technology using complicated patterns and designs Create can

3. Digital pressing output (Digital Printing): Digital pressing release technology using fabrics on top of it different color and patterns high quality printing can This is the method fast and Flexible as well as small in volume products work in release economic in terms of useful

4. CAD programs (Computer-Aided Design): CAD programs clothes designs computer using Create and modeling enable will give . These programs to designers of clothing different parts create , measure and in setting help will give .

5. Advanced reality (Augmented Reality, AR) and virtual reality (Virtual Reality, VR): AR and VR technologies using customers clothes virtually try to see can These technologies online trading processes in improvement important important have

6. Automated seam Cars : Modern seam cars automated they are using complicated seam their work high in accuracy and at speed done increase can

7. IoT (Internet of Things): IoT technologies using in clothes different sensor and devices integration will be done . These are sensors clothes of the owner health and activities observation enable will give .

These technologies clothes work release processes significant level changing it effective , ecological clean and to customers customized without to do enable will give .

Of course , below each one of technology wider description given :

1. 3D Printing 3D Printing

3D printing release technology using clothes and accessories Create can This is technology to designers new and innovative products work release enable will give . 3D printing release through Create possible has been things to the line complicated structures , geometric patterns and even personalized clothes enters

2. Laser cutting and engraving

Laser cutting technology fabrics sure and fast cutting enable will give . This is the method using complicated designs and patterns to the cloth sure apply can Engraving and laser using to the cloth ornaments drop off for is used . This technologies clothes design to himself special in doing very effective

3. Digital pressing Digital Printing

Digital pressing release technology fabrics directly click enable will give . This is the method color using and complicated patterns to the cloth sure and good quality click can Digital pressing release economic in terms of thrifty is especially small in volume orders for it is convenient.

4. CAD programs (Computer-Aided Design)

CAD programs clothes designers computer create a model using enable will give . This programs using designers of clothes different parts design , dimensions setup and 3D model to create can CAD programs design process significant level simplifies and accelerates .

5. Advanced reality (Augmented Reality, AR) and virtual reality (Virtual Reality, VR)

AR and VR technologies using customers online in stores clothes virtually try to see can These technologies to customers to themselves suitable clothes in finding help will give and

repetition processes reduces Designers while this technologies using own products more demonstrative way present reach can

6. Automated seam cars

Automated seam cars complicated seam their work high accuracy and at speed performs This machines a person without interference big in volume work release enable will give . They are using bet processes accelerates and quality will improve .

7. IoT (Internet of Things)

IoT technologies using to clothes different different sensor and devices is added . This sensors clothes of the owner health , physical activity and another information observation can For example , sports clothes installed sensors using of the user heart beats , calories spending and another parameters observation can

8. Biomaterials and ecological clean technologies

Biomaterials and ecological clean technologies clothes work in release stability provides . For example , re processed of materials use , biological decomposable fabrics , and the water thrifty technologies this in the field wide is being used .

9. Smart clothing (Smart Clothing)

Smart clothes own into different different technologies cover takes , for example , LED lighting , heating elements , and others This type clothes often sports, health storage and military in the fields is used .

Modern technologies clothes work release new to the degree take coming out , this while not only designers , maybe more to consumers opportunities is creating .

Of course ! Modern technologies clothes to the details processing in giving medium and big to power have The following technologies clothes work in release important place holds :

1. Nanotechnology

Nanotechnology clothes materials good convenience and safety with provides . This is technology using to clothes water and the tachs kissing possible being them cleaning and a little repair opportunity will give .

2. Technological through supply (Textile Technology)

Technological through provide clothes materials in creating high efficient and to himself special materials Create for is used . For example , antimicrobial materials , heat and healer technologies of clothes functional features increases .

3. Robotization and automation

Robotization and automation using clothes work release processes efficient and is accelerated . Automated devices using clothes details high good quality and fast work is issued .

4. Consumption data (Big Data) and analytics

Consumption data and analytics technologies clothes in the field of consumers requirements and directions in explanation help will give . That's up to the designers and work to the producers directions in determining and clothes models in creating help will give .

5. Blockchain technology

Blockchain technology clothes in the field right treatment provide and complete transparency provide for is used . This is technology through of clothing each one part and external amenities about information done increase and confirmation can

6. Scanners and 3D model creation

Scanners and 3D model creation technologies using clothes details and big objects high accuracy and right editing possible to designers and work to the producers high in accuracy design Create enable will give .

7. Biometric technologies

Biometric technologies clothes work in release a person weight , movements and another personal information in search of help will give . This is in sports and medicine in clothes and another purposes is used .

8. LED clothes

LED clothes using complex LED and electronics priorities applied clothes Create can These are clothes many in fields , for example , fashion , show business and safety in the field is used .

These technologies clothes in the field innovation in raising and new opportunities in creating very important role plays Each technology to himself special tips and Create for opportunities present is enough

References

1. Komilova XH, Hamraeva NK — Sewing items construct . Tashkent 2003.
2. Madjidova Sh.G. , Rasulova MK " Technological processes design " Textbook . Tashkent-2011 .

3. G. Q. Kulijanova , SSMusaev - Light industry products technology || Education manual . Tashkent- 2002 .
4. Nigmatova FU — Light industry products design automated system from science lectures text Tashkent- 2015 .
5. Uzbekistan Republic President Sh. Mirziyoev's March 19 , 2019 — Youth spirituality upgrade and their prime time meaningful organize reach on 5 important initiative Statement No. 12 on.