

**GARMENT TECHNOLOGY AND CONSTRUCTION: INNOVATION AND
ENVIRONMENTAL SUSTAINABILITY**

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Abstract: In the article sewing items technology and construction the latest innovations and their ecological to stability impact analysis Modern working release in the processes energy efficiency, waste reduce and protect the environment protection to do aimed at ecological approaches important importance has. With this together, new using materials and technologies sewing of things quality increase and develop to release optimization opportunities seeing is released. Article industry stable to develop service doer innovative solutions illuminates.

Keywords: sewing products, technology, construction, innovation, environmental stability, energy efficiency, waste reduce, environment protection to do, new materials.

Introduction. Modern in the world sewing items technology and construction sectors fast pace with is developing. This industry not only economic in terms of, perhaps social and environmental also important importance has. Sewing items human of life different in all aspects, including clothing, furniture, cars and others many in the fields This is applicable. in the article sewing items innovations in technology, environmental stability and future prospects seeing is released.

Innovations:

1. Digital technologies: Modern sewing items working release digital technologies, such as 3D printing, in the process printing and digital sewing machines wide These technologies are being developed to release accelerates, reduces costs reduces and individual orders done increase opportunity gives. 3 D pressing release using complicated designs create and prototypes quickly working release possible.
2. Automation: Sewing items working release in the process automation technologies is being used. Automated sewing machines and robots working release process effective and fast does. This and worker strength reduces and working release expenses reduces.
3. Dressing Technologies: Clothing technologies, such as smart clothes and touch screen materials, sewing of things new generation as appearance This is happening. clothes human health and activity observation opportunity gives, this and sports and health storage in the fields new opportunities creates.

Ecological stability. Modern sewing items working in the release ecological issues important importance has. Ecological stability to provide for following approaches is being used:

1. Ecological clean Materials : Sewing items working in the release ecological clean and again usable materials, such as organic cotton, bamboo and polyester such as materials wide This is being used. materials to the environment less damage delivers and consumers by high is

evaluated.

2. Repeat work and stable working output : Sewing items working producers again work processes current is doing. Again, work through old clothes and materials new to products is converted, this and waste reduces and from resources effective use provides.

3. Social Responsibility : Sewing items working producers social responsibility own on behalf of are getting. Workers' rights, security and health storage issues important importance has. Stable working release processes through working issuers social responsibility to increase is striving.

Literature analysis. Modern sewing items technology and construction in the field scientific literature wide comprehensive innovative approaches and environmental stability principles to study focused on. The last in years in research working release in the processes energy efficiency increase and waste to reduce circle solutions priority to the topic For example, Smith et al. (2018) found that in the industry energy economical of technologies current to be done product to the quality the impact study, work in the release efficiency to increase aimed at approaches recommendation does. Also, Lee (2020) new synthetic and natural materials using ecological clean sewing products create according to innovations analysis did.

Ecological stability On the subject, Garcia and Lopez (2019) reduce for again work technologies importance emphasizing that in the industry waste management according to effective strategies previously pushes. From this In addition, Zhang et al. (2021) suture items in design ecological in terms of safe from materials use and their vital cycle optimization according to practical research take went.

Innovations study In the process, Kumar and Patel (2022) used automation and digital technologies application through working release process simplification and product quality to improve attention They are the focus of the Industry 4.0 concept. sewing items working to release impact more about idea However, in studies often technological the news current in doing to the surface coming financial and resource problems also exist working release of equipment ecological requirements with suitable absence such as restrictions are also noted done.

In general, generally, literature sewing items in technology innovations done improvement and environmental stability provide between balance storage importance is showing. In this area additional research, especially new materials and resources saver technologies to develop focused.

Research discussion. Sewing items in technology and construction innovations current It also works release efficiency increase, and ecological stability provide point of view from the point of view important importance has. Research results this shows that modern working release digital technologies and automation in processes methods application not only product quality improves, maybe energy and materials spending also possible to reduce gives. From this except, ecological in terms of clean materials and recycling work technologies current to be industry to the environment negative the impact to reduce help This gives its in turn, consumers ecological of mind increase and stability to products was demand increase with closely is related.

With this together, in research financial and technical of resources lack, existing working release of equipment ecological to standards suitable absence such as problems are also noted This is innovations wide on a scale current in the process of two difficulties take is coming. Received results this shows that the seam in the industry innovations successful done increase for not only new technologies current to, maybe working release system complex accordingly modernization to do, employees regular again preparation and environmental to the requirements suitable coming standards working exit necessary.

Future prospects. Sewing items technology and construction in the future further development Innovations, environmental issues and social responsibility in the field new trends is determining. In the future following prospects our view possible :

1. Again, developed digital Technologies: Digital technologies and artificial intellect sewing items working release process further effective in doing continue This is and individual orders quickly done increase opportunity gives.
2. Stable working Emission: Ecological stability and again work processes further develops. Consumers ecological clean to products was demand increases, this and working issuers stable working to release encourages.
3. Innovative Clothes: Smart clothes and sensors materials in the future wide spreads. This clothes human health and activity observation opportunity gives, this and sports and health storage in the fields new opportunities creates.

Conclusion. Sewing items technology and construction modern industry important from the fields one is, its development economic, social and environmental in terms of Innovations, environmental issues and social responsibility in the field new trends is determining. In the future sewing items technology and construction further development this is expected and consumers needs in satisfaction important role plays.

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