

# **BARMAG**

## **Creating Values in DTY Production**

### Fancy Yarn Concepts

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A close-up photograph of a piece of orange-colored knitted fabric, showing the intricate texture of the stitches. The fabric is draped, creating soft folds and shadows that emphasize its three-dimensional structure.

**From Melt to Yarn**

# As creative as the market

With our Barmag and Neumag competence brands, we are the world market leader for manmade fiber filament spinning systems, texturing machines, BCF systems and staple fiber systems. As a service provider for engineering and aftersales services, we offer total solutions for the entire textile value added chain. We attach great importance to energy efficiency and sustainable technologies in all our developments. To what extent do you profit from this? Our market position guarantees you the benefits and quality of leading technologies, our sustainable products save you money and our comprehensive services save you time and hence increase your profit.

## What is DTY manufacturing?

Apparel, home textiles, automotive - there are countless applications for textured yarns manufactured on Barmag machines. Correspondingly specific are the demands made on the yarns used.

You can rely on decades of research and a constant dialog with customers which make our systems produce the perfect yarn for each and every application. Reliability, efficiency, user-friendliness and the most economical, consistent production of high-quality yarns are the basic criteria Barmag texturing machines are fulfilling.

## DTY Fancy yarn

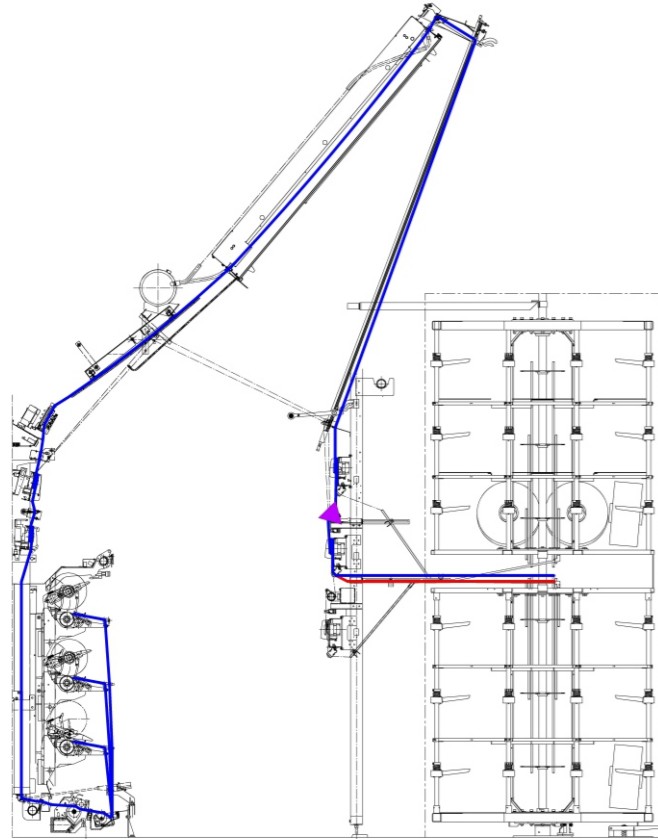
Fancy yarn deviates from the normal yarns. These deviations occur mainly due to the introduction of deliberate decorative discontinuities in the form of color, structure or both.



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## Cotton-Like DTY



### Raw Material:

POY  
FDY

### Hardware-kit:

Pre-interlacing  
G1.1  
Extended creel capacity

### Machine:

eFK / eAFK



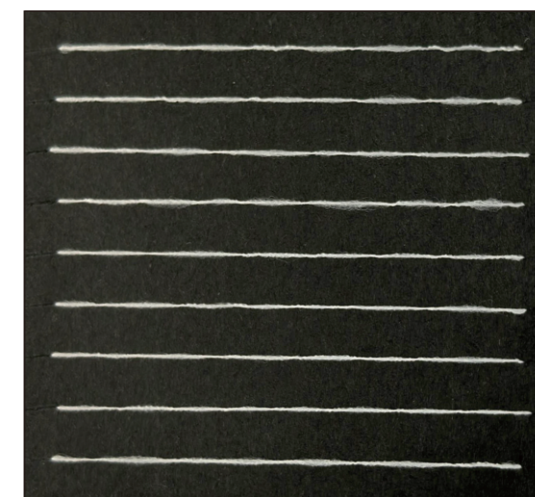
### Effects:

- Cotton like yarn feels soft and fluffy, offering the comfort and natural feel of cotton.
- It combines the moisture wicking -properties of cotton with the strength, colorfastness, and wrinkle resistance of polyester.

### End use:

Knitting & Weaving

## Cotton-Like DTY



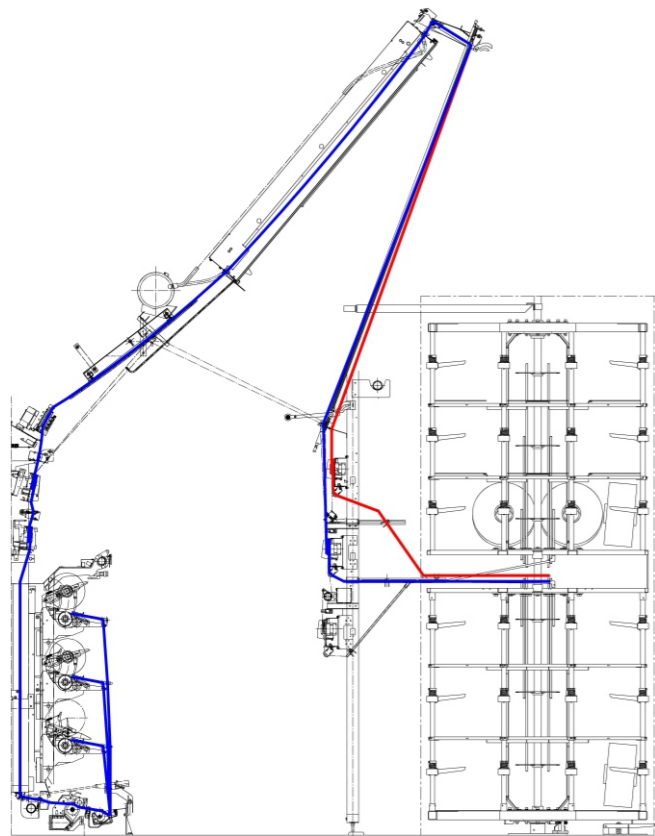
### End product:

Apparel  
Home textiles

### Yarn sample specification:

170D/108F Cotton-Like DTY

# Linen-Like DTY



### Raw Material:

POY  
FDY

### Hardware-kit:

G1.1  
Extended creel capacity

### Machine:

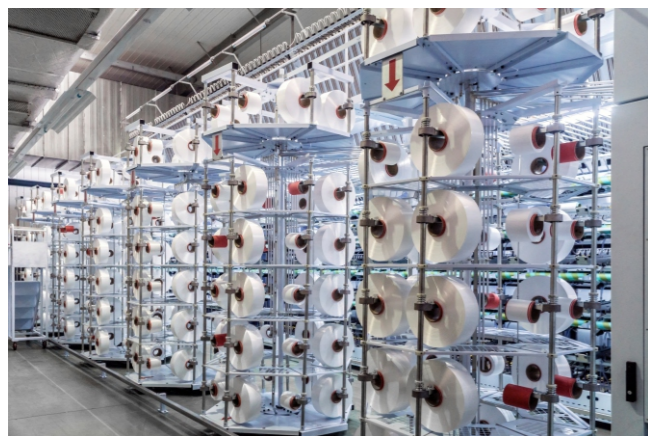
eFK / eAFK

### Effects:

- The yarn and resulting fabric are finished or blended to look and feel like linen.
- Properties of crisp, breathable, and slightly rough texture.

### End use:

Weaving



# Linen-Like DTY



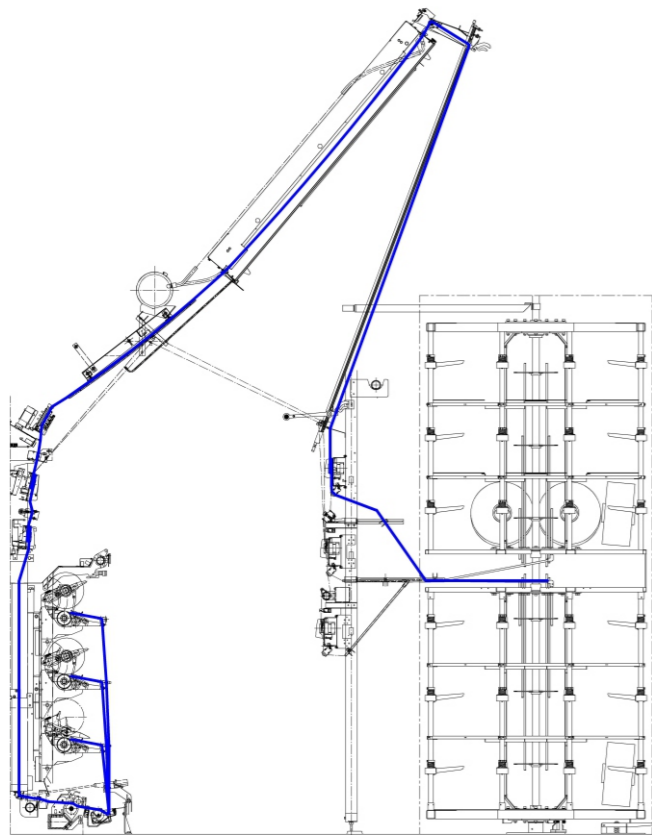
### End product:

Apparel  
Home decoration

### Yarn sample specification:

200D/144F Linen-Like DTY

# Tight Spot DTY



**Raw Material:**

POY

**Hardware-kit:**

G1.1 (optional)

Extended creel capacity (optional)

**Machine :**

eFK / eAFK

**Effects:**

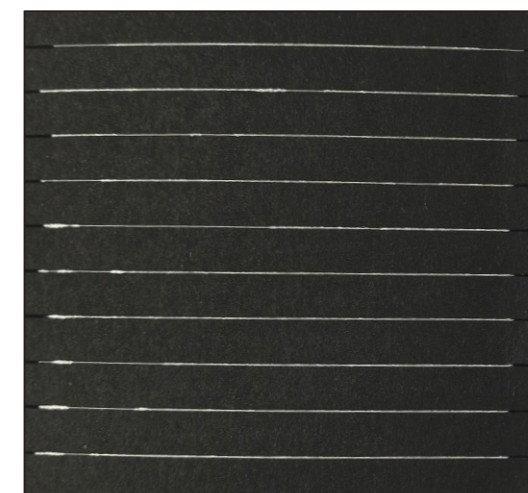
- The yarn was treated with high temperature and twist, has a coarse and thin linen like texture.
- The texturing is not uniform, causing the yarn to feel stiffer or harder in that spot.

**End use:**

Knitting & Weaving



# Tight Spot DTY



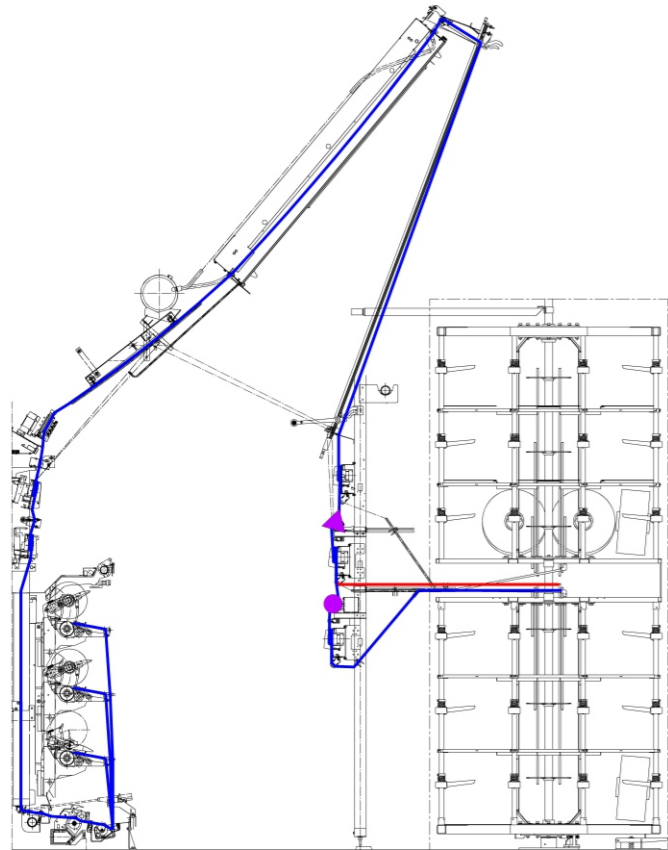
**End product:**

Apparel  
Home textiles

**Yarn sample specification:**

150D/144F Tight Spot DTY

# Wool-Like DTY



### Raw Material:

POY  
FDY

### Hardware-kit:

Pre-interlacing  
G1.1  
Hotpin  
G1.2  
Extended creel capacity

### Machine:

eFK

### Effects:

- Processed/textured to feel soft and warm like wool.
- Has a slightly fuzzy or brushed surface (giving a woolen texture).

### End use:

Weaving



# Wool-Like DTY



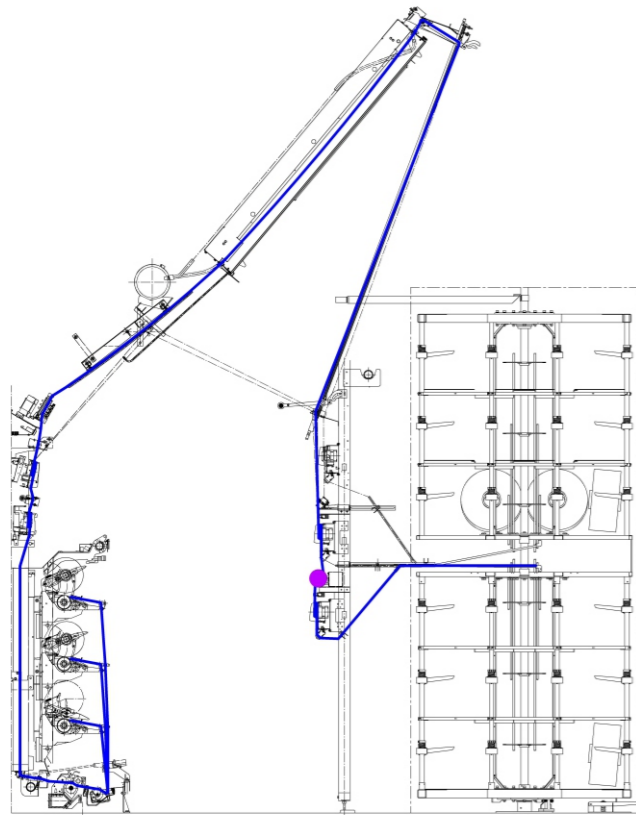
### End product:

Apparel  
Home textiles

### Yarn sample specification:

200D/144F Wool Like DTY

## Thick and Thin DTY



### Raw Material:

POY

### Hardware-kit:

G1.1

Hotpin

### Machine:

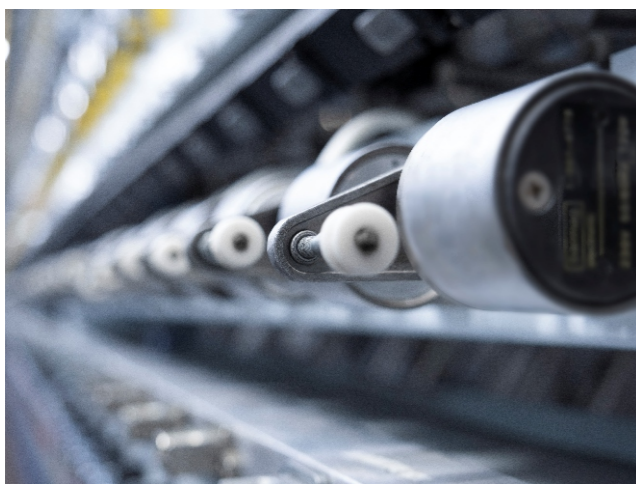
eFK / eAFK

### Effects:

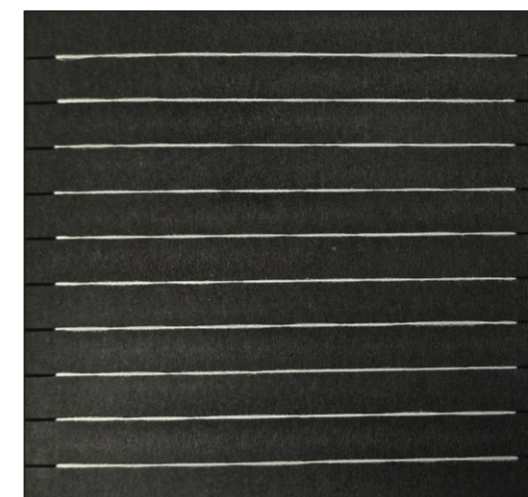
- That has an intentionally uneven texture, produced using a hot pin method during texturing.
- Some parts of the yarn are thicker (bulky), other parts are thinner (fine). Thick and thin yarn with dark and light on fabric.

### End use:

Knitting & Weaving



## Thick and Thin DTY



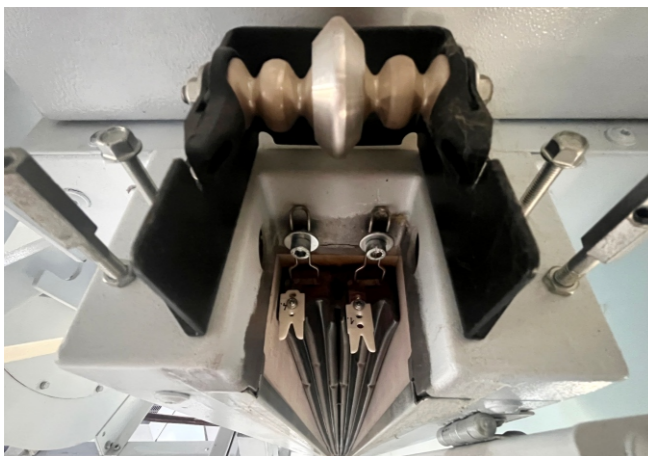
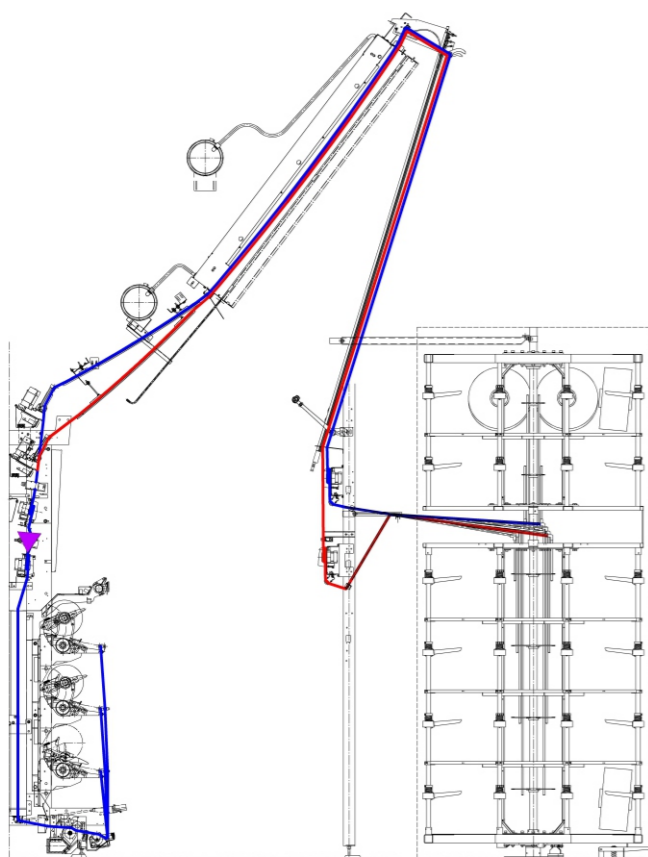
### End product:

Apparel  
Home textiles

### Yarn sample specification:

150D/96F Thick and Thin DTY

## Two-Tone DTY



### Raw Material:

POY-POY: different polymers PET CD

### Hardware-kit:

Heater clips  
G1.1

### Machine:

eFK / eAFK

### Effects:

- Two-tone DTY is a textured polyester yarn designed to create a dual-color or melange effect in fabrics, either through fiber blending, twisting, or differential dyeing techniques.
- Woven fabric with dark and light stripes. Warp knitted fabric with spots.

### End use:

Knitting & Weaving

## Two-Tone DTY



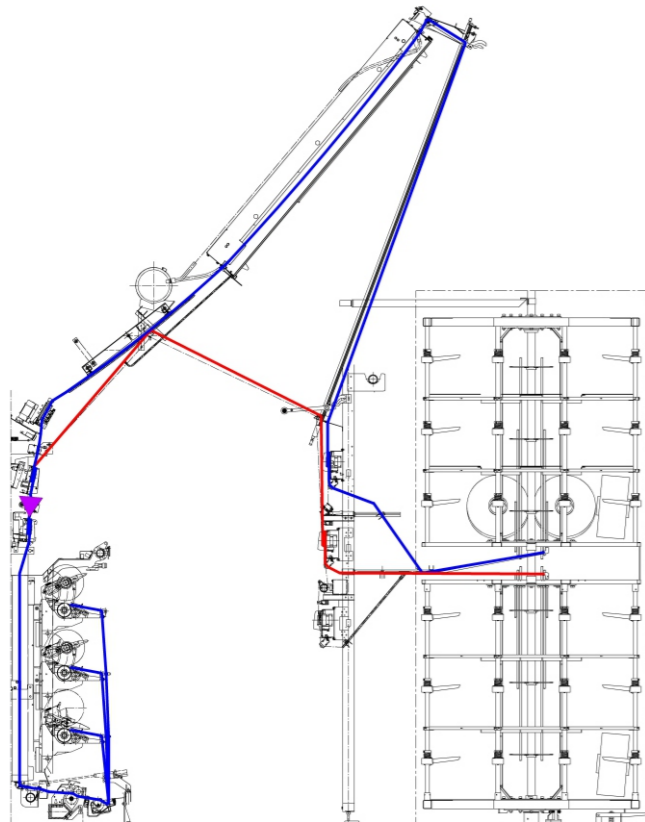
### End product:

Apparel  
Home textiles

### Yarn sample specification:

150D/144F Two-Tone DTY

## Different shrinkage DTY Ply at G2



### Raw Material:

POY  
FDY

### Hardware-kit:

G1.1  
Bypass + intermingling  
Extended creel capacity

### Machine:

eFK / eAFK

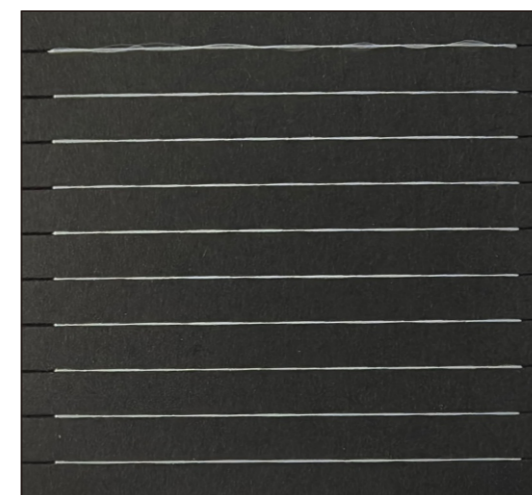
### Effects:

- Two yarns of different shrinkages combined to create one composite yarn.
- Low-shrink components loop out from the core unlike the high-shrink components.

### End use:

Knitting & Weaving

## Different shrinkage DTY Ply at G2



### End product:

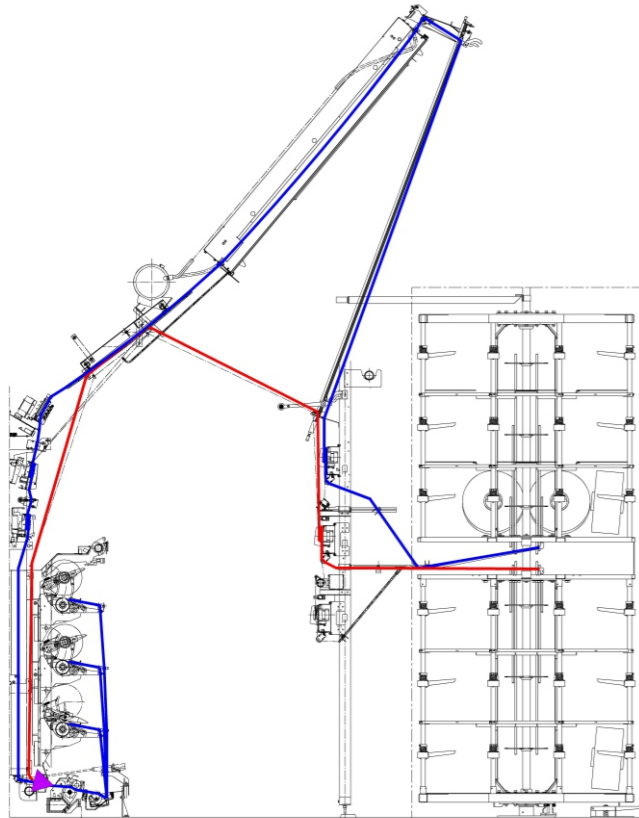
Apparel  
Home textiles

### Yarn sample specification:

150D/144F Stretch DTY

# Different shrinkage DTY

## Ply at W3



**Raw Material:**

POY  
FDY

**Hardware-kit:**

G1.1  
Bypass + special piping  
W3 intermingling  
Extended creel capacity

**Machine:**

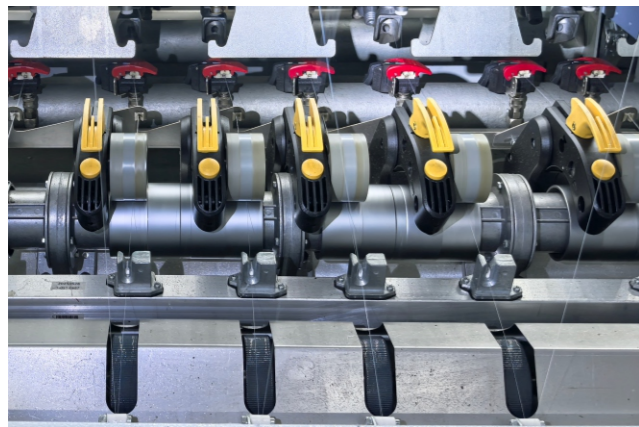
eFK

**Effects:**

- Two yarns of different shrinkages combined to create one composite yarn.
- Low-shrink components loop out from the core unlike the high-shrink components.

**End use:**

Knitting & Weaving



# Different shrinkage DTY

## Ply at W3



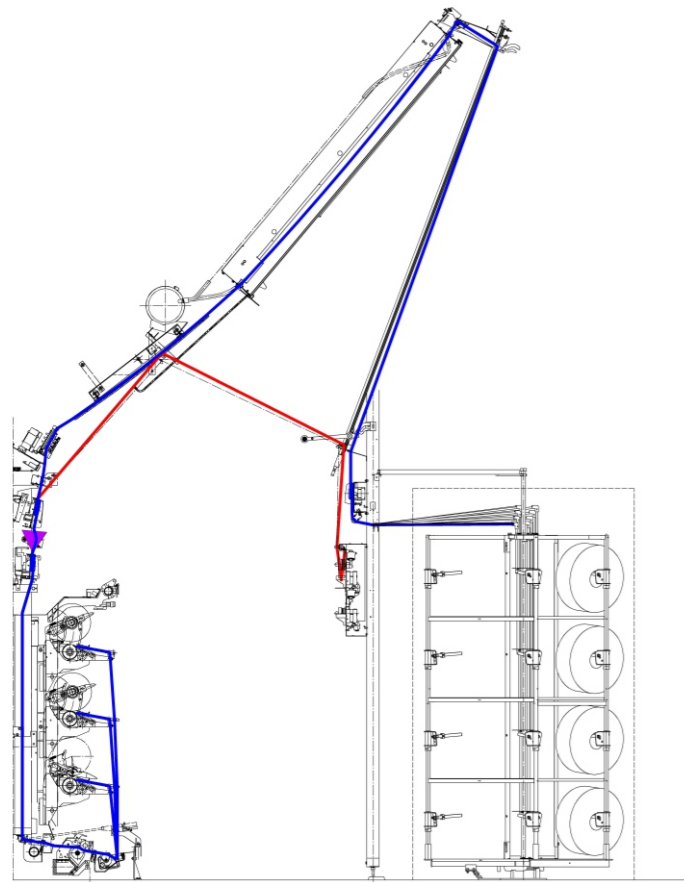
**End product:**

Apparel  
Home textiles

**Yarn sample specification:**

95D/36F Sea Island DTY

# Elastane covered yarn



### Raw Material:

POY  
Elastane yarn

Hardware-kit:  
G1.4 or G2.1  
Bypass for G1.4

### Machine:

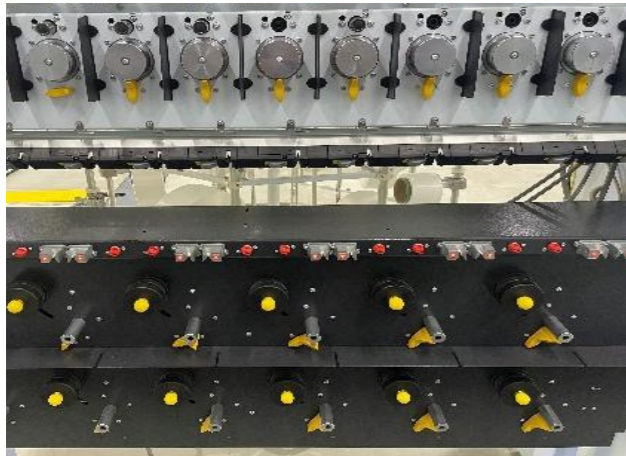
eFK / eAFK

### Effects:

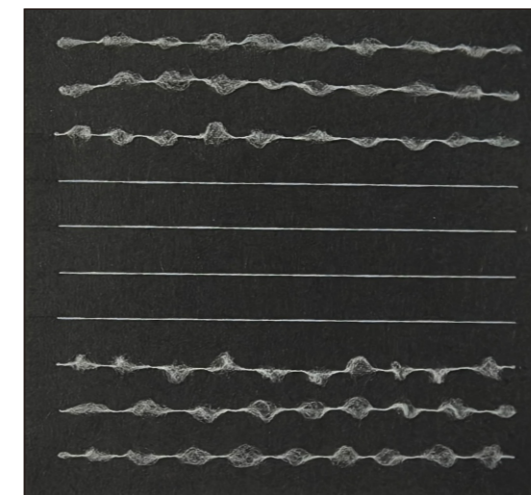
- Stretchability, high elasticity due to the Spandex core.
- Recovery snaps back to shape, ideal for tight-fitting garments.
- Softness & bulk DTY provides a soft, comfortable outer surface.

### End use :

Knitting & Weaving



# Elastane covered yarn



### End product:

Apparel  
Home textiles

### Yarn sample specification:

75D/72F+40D Elastane  
covered DTY

# Innovation and creativity for fancy yarn is open ....

*Innovation -  
inspired by nature.*



Eco-friendly



Texture



Multifunctional



Fast & Flexible