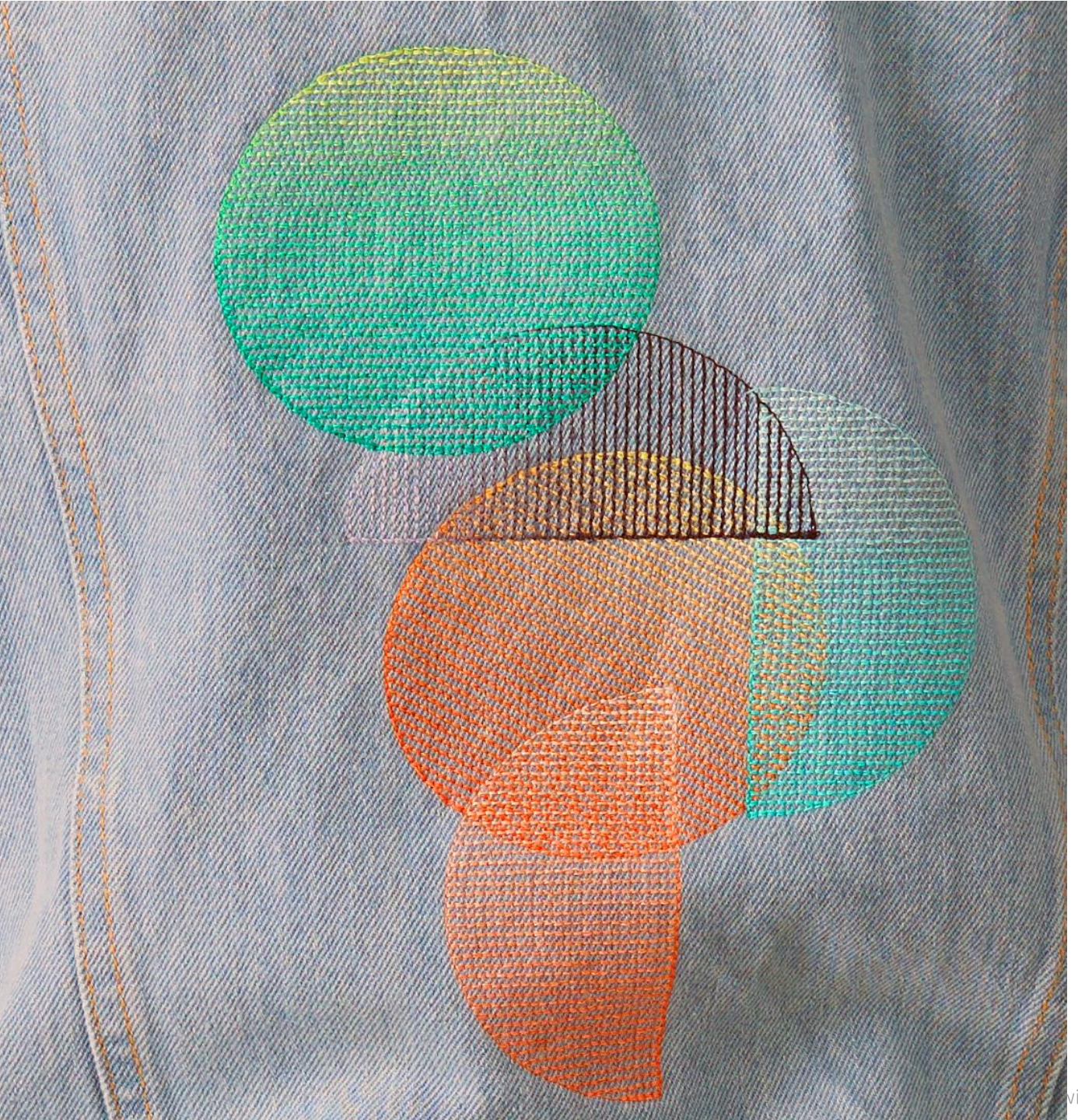
twine

Company Introduction



Our Vision

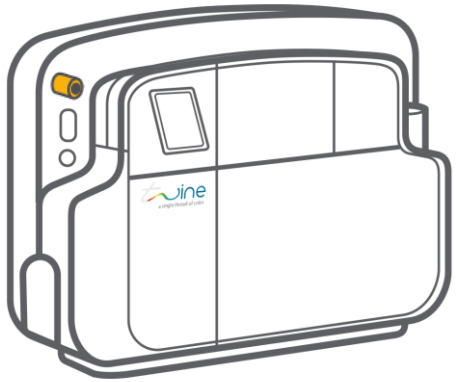
To lead the digital transformation of the thread and textile industries for better performance and greater sustainability.

Our Mission

Become the De-facto standard - transforming supply/production chains, in **Sewing, Knitting, decorative,** markets. Build a customer-focused, passionate, innovative, committed and quality minded global employee community.

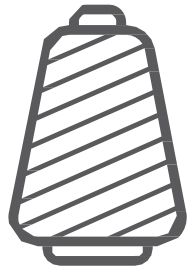
End-to-End Solutions

Workflow



Digital Dyeing Solutions

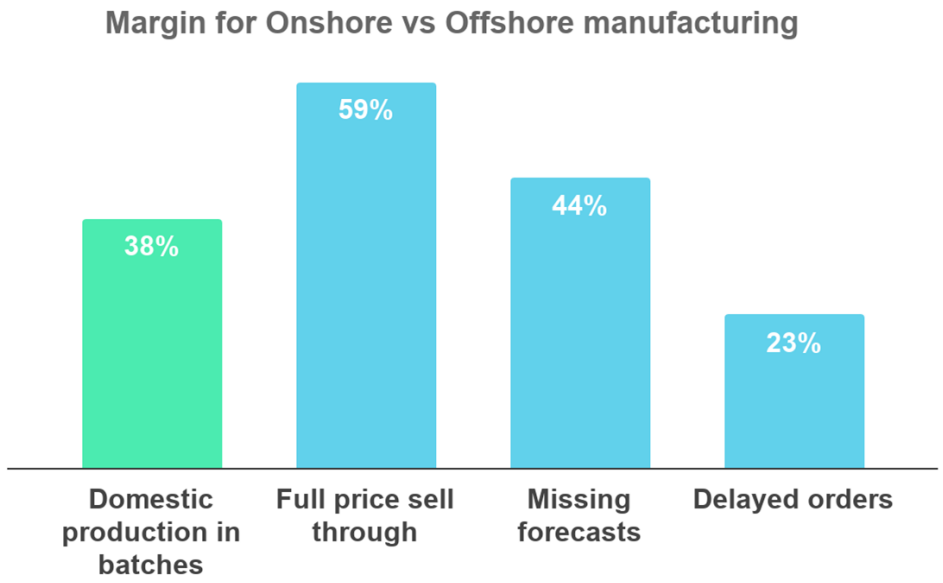
Inks



Media

Enable Sell **then** On-Demand **manufacturing**
- **Economically** and **Sustainably**

Shift in focus from cost alone to **increasing** the net product margin, **domestic production** is making **economic sense**



"The longer the lead time, the more chance there is of significant delays and price markdowns" Malcolm Newbery Consulting

Time is Money *- When production is in-line with demand, the margins of producing **domestically** can become **higher** than **offshore** production*

Operating **closer** to brands or sometimes within them, **Microfactories/Nearshoring**, will come to act in **3** different models

In-house mfg/ Showroom

SPEEDFACTORY

MINISTRY OF SUPPLY

UNDER ARMOUR

R&D department, Prototyping

adidas

Small-Medium factory

OPM ONPOINT MANUFACTURING

PURCHASE ACTIVATED APPAREL

GROSSO MODA

*"Used in the design studio to speed up the prototyping process, or on the shop floor, to provide **high customization** and **zero waste**, Microfactories will take off on the next few years..."*

State of the fashion 2019, Mckinsey

twine

Our Solution

TS-1800

The world's first thread and yarn digital dyeing system

> In the past, it would be impressive
> if an assembly line can produce 2,000
> of the same garments in five minutes.
> Today onward, making 2,000 **different** garments
> in five minutes will be more impressive

Jack Ma, Alibaba

Digital Thread& Yarn Dyeing

Unique, correlating with Industry Trends

On Demand

Time to Market

Digitalization

Dye2Match allow
Easy precise color matching

Personalization

Personalized thread
Production at any color mix

Eco-Awareness

Reduce Waste and other
CO2 emissions

IMPACT – COST OF DOING BUSINESS = SPEED + SUSTAINABILITY

COVID

‘SUPPLY WAR SHORTAGE’ = Market Acceleration…

https://medium.com/@TruleSolutions/environmental-impacts-on-product-returns-e91d2cdf630d

Amongst Our **Customers**

CHANEL

DELTA GALIL INDUSTRIES LTD.

COATS

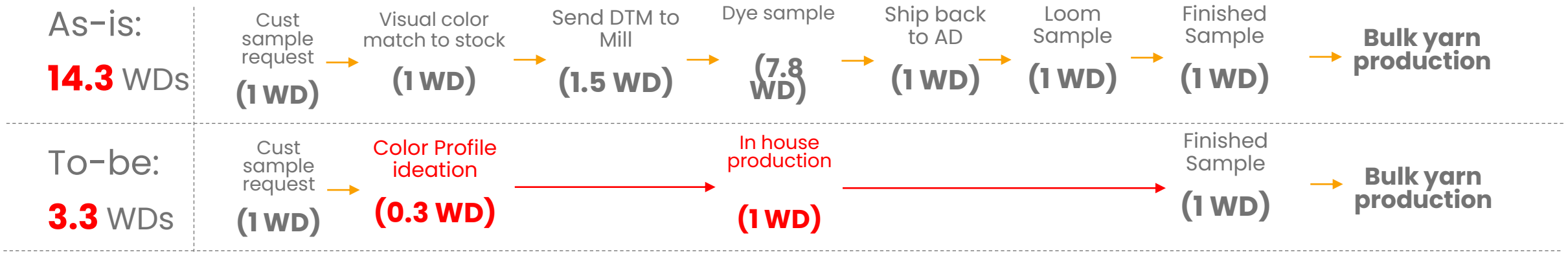
HAAMA GROUP

> In my vision, in a short time we will have Twine machines in our factories. It's not R&D for me anymore, it's production now and that's the end

> The fact is, we have in hand now, an order, a real order, from a real customer, not a few samples. We have a real big order, dyed to match yarn on the Twine machine, it's a real order and that's fantastic, exciting!

Avigail Kats, VP R&D, Delta Galil Industries

Customer Case Study



Problem Statement

Long lead time of yarn DTM

Solution

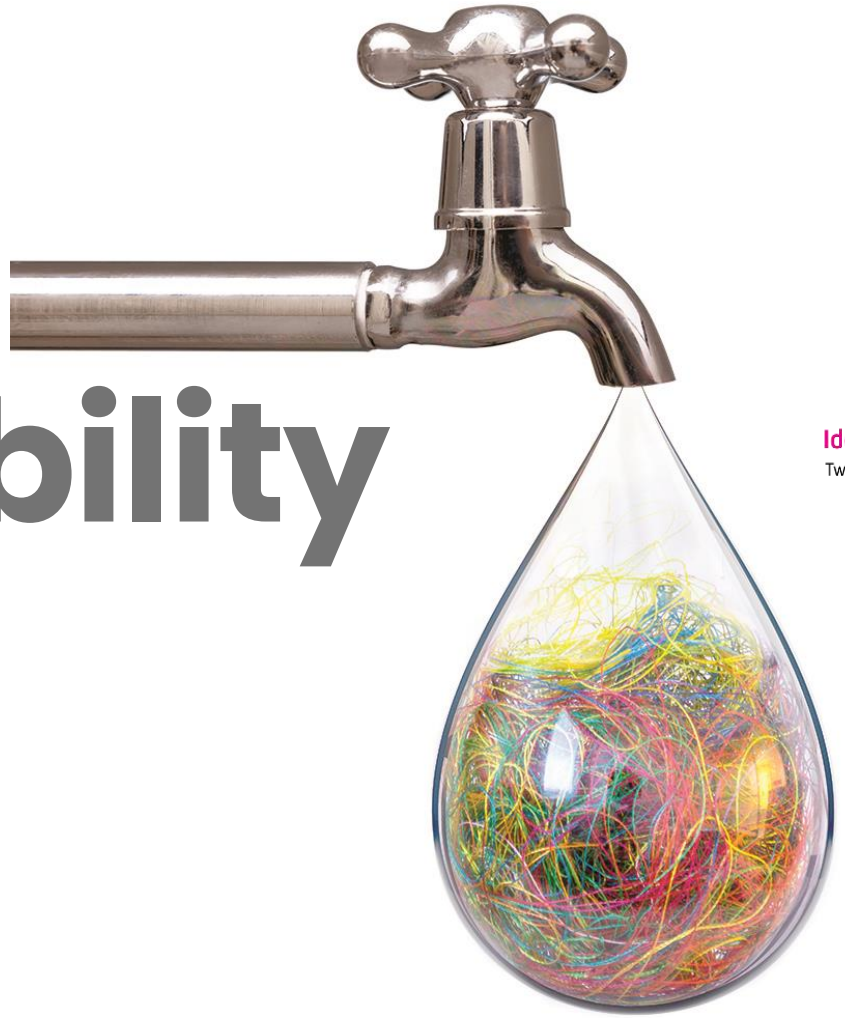
E2e digitalization color management process on site DTM to Loom to Weaving sample

Business Benefits

77% reduction in lead time of DTM resulted from transportation elimination & improved dyeing speed and min rework

twine
a single thread of color

Impact Sustainability



Identifying Twine's Impact Goals

Twine's Alignment to the UN SDGs

Textile dyeing is the **2nd largest polluter** of water globally

93 billion cubic meters of **WATER** is used by the fashion industry annually

twine
a single thread of color

The **fashion industry** is responsible for **10%** of **global carbon emissions**

The average consumer **throws away 31.75 kg** of clothing per year

Conventional dyeing consumes
~76 liters of clean water for just **1 Kg** of thread

a single thread of color

For every shirt made **1 cup** of water is consumed to dye just the **sewing thread**

T-Shirt

=

2.3 grams
sewing thread

=

1 cup of water


At the end of the day ...we are ALSO trying to fix this..


THANK YOU