Norman Group

Seamless Technology

OUR INNOVATIONS & TECHNOLOGIES

ADVANCED SOLUTIONS FOR A HIGHER PERFORMANCE

DEV CENTER
CLO 3D PROTOTYPING

PATENTS
I-CONE/I-BAND/I-SOFT/ I-SOFTPRO

KNITTING TECHNOLOGIES
I-MESHLIGHT

BONDING
INVISIBLE FINISHING EDGES

DYEING INNOVATION
I-STONE /TIE DYE /I-STONE PRO/DYE STONE

SPECIAL FINISHES
I-SIGN /I-SHAPE

SPECIAL FABRIC
FLAME RETARD/ CUT RESISTANT

SUSTAINABILITY
ECOTEKNIT CERTIFICATIONS RESULT

SERVICES
NORMAN GROWTH LAB

Innovative technologies designed to solve real business challenges.

CASTEL GOFFREDO - ITALY

INNOVATION TAKES SHAPE HERE.

Our hub of experts, technologies and processes transform ideas into tailor-made solutions.

DEV CENTER



2.500 SQM OF INNOVATION

15+ DEDICATED EXPERTS

ONE GOAL: DEVELOP THE BEST SEAMLESS SOLUTIONS.

A FULLY INTEGRATED R&D ECOSYSTEM

YARN RESEARCH & DEVELOPMENT
Advanced yarn research for superior performance and sustainability.

TREND ANALYSIS & DESIGN
Market insights and creative direction to anticipate tomorrow's needs.

SEAMLESS ENGINEERING
Innovative structures and engineering for function, fit and comfort.

SUSTAINABLE SOLUTIONS
Low-impact knitting and dyeing processes for a more responsible future.

TECHNICAL DEVELOPMENT
From concept to technical file with precision and expertise.

TESTING & VALIDATION
Performance testing to guarantee quality, durability and reliability.

3D PROTOTYPING. REAL TIME ADVANTAGE.

Our advanced 3D software allows us to visualize, test and refine every detail before physical sampling.
Faster decisions, fewer iterations, lower environmental impact.

- Visualize garments before physical production
- Evaluate fit, construction and design in real time
- Accelerate style and model selection
- Reduce intermediate samples and approvals
- Minimize textile waste and material overuse



72 HOURS DIGITAL DEVELOPMENT

3 WEEKS SAMPLE LEAD TIME

LE PARTNERSHIP. ENDLESS POSSIBILITIES.

OEM

DEVELOPMENT BASED ON YOUR SPECIFICATIONS.
Your vision. Our expertise. Perfect execution.

ODM

CO-DEVELOPMENT WITH HIGH TECHNICAL CONTENT.
We co-create, we innovate, we grow together.

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DESIGN THE FUTURE IN 3D.

CLO 3D DIGITAL PROTOTYPING



3 DAYS
for a digital prototvpe

10 DAYS
from sketch to validated base size

-70%
reduction in development timesize

A NEW WAY TO COLLABORATE

Where digital design
meets real partnership.

Norman Group is proud to offer its **CLO 3D Digital Prototyping Service**—an interactive solution that creates a direct, real-time connection between our designers and your product development team.

Unlike traditional prototyping, CLO 3D is far more than a visualization platform. It becomes a shared digital workspace: we develop the 3D garment according to your specifications, share the project with your team, and allow your developers to make changes directly within the software before returning the updated version for the next iteration

HOW IT WORKS

1. **BRIEF & TECHNICAL SPECIFICATIONS**
   You share your design brief and technical requirements with our development specialists.
2. **3D GARMENT CREATION**
   Our team builds the garment in CLO 3D—including fit, construction details, colors, and materials—with photorealistic accuracy in as little as 3 days.
3. **LIVE COLLABORATIVE REVIEW**
   The CLO project is shared with your development team, allowing edits to be made directly within the software before being returned to us for the next refinement.
4. **VALIDATED BASE SIZE**
   Once approved, the digital prototype is ready for industrialization—without the need for multiple intermediate physical samples.

DEVELOPMENT TIME: REDEFINED

TRADITIONAL	**3 weeks** for a sample	**3 weeks** from idea to validated base size
CLO 3D DIGITAL	**3 days** for a sample	**10 days** from idea to validated base size

WHAT CLO 3D DELIVERS

INSTANT VISUALIZATION
See your garment before any physical production, with highly realistic fabric simulation.

REAL-TIME FIT EVALUATION
Assess fit, construction, and silhouette instantly across multiple sizes.

COLOR & MATERIAL VARIATIONS
Test different fabrics and colorways with a single click—without producing additional samples.

ACCELERATED INDUSTRIALIZATION
Reach the optimal solution faster through fewer development iterations.

IMPACT

Better for your collection. Better for the planet.

Digital prototyping doesn't just speed up development—it eliminates waste at its source. Every physical sample avoided means fewer resources consumed throughout the product development process.

NO INTERMEDIATE PHYSICAL SAMPLES
Reducing material consumption during validation.

NO SHIPPING FOR APPROVALS
Digital files move instantly, eliminating transport costs and emissions.

NO INTERMEDIATE PRODUCED TEXTILE WASTE
Physical prototyping cycles are replaced by digital interations.

LOWER ENERGY CONSUMPTION
Development resources are focused on producing only the final approved sample.

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I-CONE®

DESIGNING THE FUTURE. PRODUCING SUSTAINABLY.

I-CONE nr.102021000012941

PATENTED TECHNOLOGY

I-cone® is the patented design and knitting system by Norman Group that tangibly reduces production waste in seamless garments.



LESS WASTE. MORE VALUE.

Compared with conventional seamless production, I-CONE® significantly reduces textile waste throughout the manufacturing process

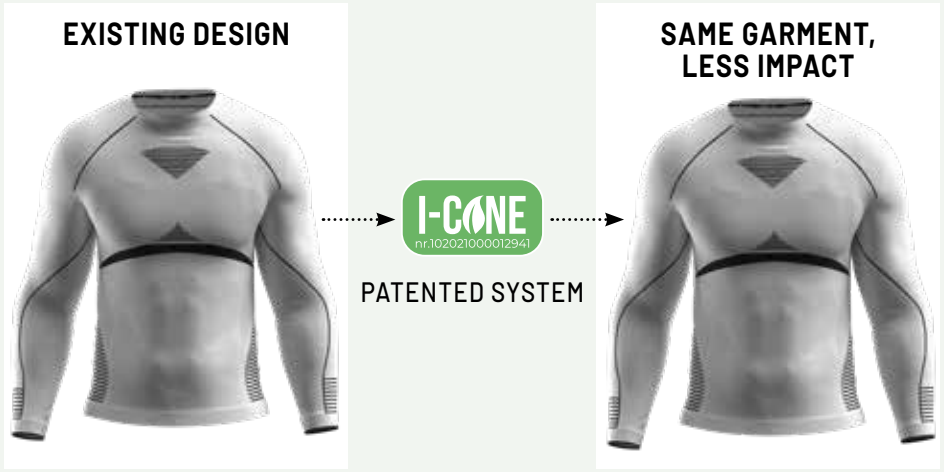


SAME DESIGN. LOWER ENVIRONMENTAL IMPACT.

One of the greatest strengths of i-cone is its flexibility.

The system can be applied not only to new product developments but also to existing seamless designs, transforming them into more sustainable products without changing their appearance, fit or technical performance.

For brands, this means reducing waste while preserving the identity of their collections.



I-CONE nr.102021000012941

The same garment.
The same performance.
A more sustainable manufacturing process.

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I-BAND®

THE PATENT THAT REDEFINES SEAMLESS FIT

I-Band® is the exclusive Norman Group patent that adds fabric to the back of the garment without extra seams, ensuring a new dimension of ergonomic fit and stability during every movement.

i-Band
nr. 102016000114568

PATENTED TECHNOLOGY

I-Band® is not just a design detail: it is an engineering solution that tangibly improves garment behavior during athletic activity.

STABLE FIT
Keeps the garment snug and in place even during the most intense movements.

FREEDOM OF MOVEMENT
Greater comfort and mobility thanks to an ergonomic fit with no restrictions.

LIGHTNESS AND SUSTAINABILITY
No extra seams, less production waste, maximum lightness and breathability.





TRADITIONAL GARMENTS
During movement, the fabric can slide down or roll up, leaving the back exposed.

WITH I-BAND
The garment stays in place in any position, following the body without shifting.



HOW I-BAND WORKS

It adds an extra fabric band to the back of the garment without adding seams

PATENTS

I-SOFT®

MORE WARMTH.
TOTAL COMFORT.

I-Soft® is the exclusive Norman Group patent that adds enhances the thermal performance of technical fibers.

i-Soft
nr. 0001422450

PATENTED TECHNOLOGY

+21%
EVAPORATIVE RESISTANCE PERSPIRATION*
Helps maintain a stable body temperature.

+100%
THERMAL RESISTANCE
Maximum protection even in extreme conditions

LONG-LASTING PERFORMANCE
Durable results wash atter wasn

I-SOFT performance accredited by: ACCREDIA CENTRO ITALIANO ACCREDITAMENTO

THE I-SOFT ADVANTAGE



ENHANCED THERMAL COMFORT
Creates a thermoregulating barrier that retains heat and reduces heat loss.

BREATHABLE
Maintains breathability and freedom of movement for any sport.

PERFECT AS AN INNER LAYER
Ideal for base layers and mid-layers.

SUSTAINABLE INNOVATION
Designed to reduce energy consumption during the use phase thanks to superior insulation efficiency.

IDEAL FOR

OUTDOOR & MOUNTAIN
WINTER SPORTS
TRAINING & ACTIVEWEAR
BASE LAYERS & MID LAYER

i-Soft
nr. 0001422450

IMPROVE PERFORMANCE
SEE THE DIFFERENCE



Norman Group
Seamless Technology

PATENTS

NEXT GENERATION THERMAL COMFORT

I-SOFTPRO®

The evolution of our patented
I-SOFT technology.
Engineered to deliver superior warmth,
breathability and softness
In every condition

i-Soft PRO
nr. 0001422450

PATENTED TECHNOLOGY

SUPERIOR THERMAL INSULATION
Keeps the body warm for longer.

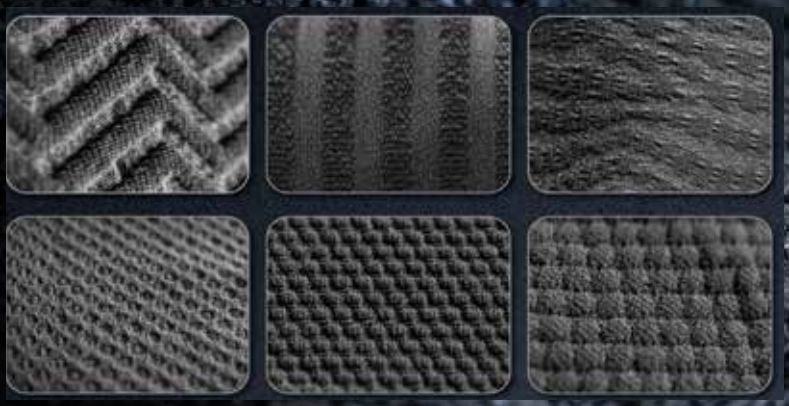
HIGH BREATHABILITY
Efficient moisture management.

ULTRA-SOFT NEXT TO SKIN
Exceptional comfort all day.

LIGHTWEIGHT PERFORMANCE
MaxImum warmth with minimum weight.

LONG LASTING EFFECT
Build into the fiber, risistant to washing.

Advanced thermal technology, enhanced by the 3D fabric structure.



ENGINEERED DIFFERENTLY. PERFORMS BETTER.

I-SOFT PRO is not a surface treatment. It is an advanced seamless construction with a 3D high-density structure and a special heat treatment that creates a stable thermal barrier inside the fabric.

THE RESULT: superior insulation, excellent moisture management and long-lasting performance wash after wash.

I-SOFT PRO	THERMAL INSULATION	SOFTNESS	BREATHABILITY
I-SOFT PRO	EXTRA	ELEVATE	ELEVATE
Technical fabric	HIGH	MID	ELEVATE

i-Soft PRO
nr. 0001422450

WARMER. SOFTER. STRONGER. BY DESIGN.



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ADVANCED MESH. LIGHTER. STRONGER. SMARTER.

I-MESHLIGHT

The revolutionary mesh texture that brings lightness, breathability and design freedom to seamless sportswear.



- UP TO 30% LIGHTER
- INDEMAGLIABLE & ULTRA-RESISTANT
- MAX BREATHABILITY & SWEAT CONTROL
- SEAMLESS BODY MAPPING

THE EVOLUTION OF MESH

Traditionally, mesh could only be applied to thick, heavy fabrics to avoid breakage and damage.

With I-MeshLight, we made it possible to apply mesh textures even on ultra-light fabrics without compromising the garments' strength, stability, or performance.



TRANSFORM A BASIC GARMENT INTO A HIGH-PERFORMANCE PIECE

Thanks to strategic body mapping, mesh structures can be placed exactly where needed to ensure ventilation, moisture management and freedom of movement.

Ideal for high-intensity sports and hot-climate conditions.

KEY BENEFITS

LIGHTNESS
It can be applied to thinner fabrics, reducing overall weight by up to 30% compared to previous versions.

STRENGTH
Its structure eliminates the risk of breakage during use.

HIGH BREATHABILITY
When integrated into critical areas, it ensures excellent heat dissipation.

VERSATILITY
It creates functional or aesthetic patterns that do not require seams or inserts.

SEAMLESS PRODUCTION
I-MeshLight is integrated directly into the production process, reducing both time and costs.

WHAT IS STRATEGIC BODY MAPPING?

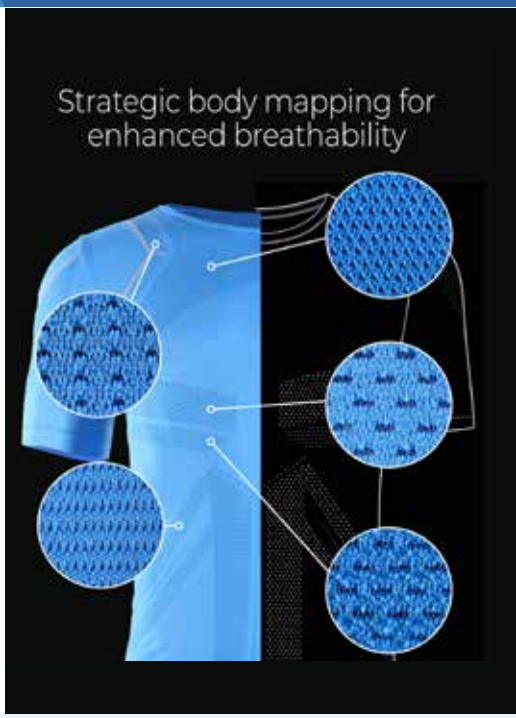
Body mapping is a textile technology that allows garments to be designed according to how the body responds during physical activity.

- **Targeted ventilation:** lighter, more perforated areas in zones where the body retains more heat (armpits, back, behind the knees).
- **Structural support:** more compact parts where stability and resistance are needed.
- **A single seamless fabric**: everything is achieved during knitting, without seams or assembly.

BENEFITS

1. **ENHANCED PERFORMANCE**
   Thanks to strategic body mapping, the mesh can be positioned in specific areas to increase breathability and improve comfort during sports activities.

2. **DISTINCTIVE DESIGN**
   The mesh is not only functional — it can become a design element, with innovative patterns that enhance the garment both aesthetically and technically.



IDEAL FOR

RUNNING & HOT-CLIMATE SPORTS
The application on ultra-light fabrics and the ventilation effect make the garments particularly suitable for high temperatures.

TRAINING & FITNESS
I-MeshLight combined with body mapping ensures maximum comfort during high-intensity sessions.

ATHLEISURE
The possibility of creating aesthetic patterns extends its use to daily wear.

ENDLESS PATTERNS. MAX PERFORMANCE.

I-MeshLight is the advanced mesh technology that allows you to create **multiple patterns with different hole sizes and alternate mesh with sweat channels to take performance to the next level.**



LOOKBOOK

A few application examples



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BONDING

THE INVISIBLE FINISH THAT MAKES THE DIFFERENCE.

CLEAN LOOK
NO STITCHES
ULTRA COMFORT
BUILT TO LAST

Bonding is an advanced thermobonding technique that replaces traditional stitching with a heat-activated adhesive film, creating a clean, flat and durable finish.

The result? A seamless look, maximum comfort and long-lasting performance.

THE AESTHETIC OF PERFORMANCE

Bonding creates ultra-thin, seamless edges that are invisible from the outside. The result is a clean, modern look — similar to a laser cut — with the added advantage of greater durability over time.



INVISIBLE FINISH
No stitching. No distractions. A flawless look, inside and out.

LONG-LASTING
Resists washing, wear and tear. Edges stay perfect, even over time.

SUPERIOR COMFORT
No friction, no pressure points. Total freedom of movement.

PERFECT FOR STRETCH
Adapts to the body and moves with you, without limits.

FROM UNDERWEAR TO ACTIVEWEAR: A TECHNICAL FINISH, NOW A MARKET STANDARD

WHY BONDING MAKES THE DIFFERENCE IN SPORTSWEAR

In sportswear, every detail counts. Bonding enhances the technical value of your garments, ensuring maximum comfort, freedom of movement and a refined, contemporary look.

It's not just a finish — it's a performance upgrade.

LIGHTER GARMENTS
GREATER ELASTICITY
LESS FRICTION
IMPROVED DURABILITY
A PREMIUM LOOK



THE DETAIL THAT ELEVATES EVERY GARMENT.

Bonding is the essential finish for those who design high-performance sportswear. It's the difference between a good garment and an exceptional one.


TOPS


LEGGINGS


T-SHIRT

Norman Group
Seamless Technology

I-STONE

THE VINTAGE TOUCH THAT MAKES YOUR COLLECTION UNIQUE

I-STONE is our exclusive stone washing process that gives seamless garments an authentic lived-in look, with naturally faded nuances and a distintive vintage character.

EXCLUSIVE FINISHING
FOR SPECIAL COLLECTIONS

A FINISHING THAT ELEVATES DESIGN, PERFORMANCE AND PERCEIVED VALUE

Ideal for brands looking to create limited editions, premium lines and collections with a strong identitv

AUTHENTIC VINTAGE LOOK

A lived-in and slightly worn appearance as if the garment has been worn for vears.

UNIQUE SHADES EVERY TIME

Irregular nuances and soft contrasts that make each piece one-of-a-kind

ENHANCED TEXTURE

The three-dimensional structures of seamless knits are enhanced for a richer look

VERSATILE AND SCALABLE

Applicable to all types of seamless garments: from activewear to knitwear.

FULL SERVICE FROM CONCEPT TO DELIVERY

Dedicated teams follow every step: design, sampling production and distribution.

INFINITE INSPIRATION

ONE DESIGN, ENDLESS POSSIBILITIES



CHOOSE THE DESIGN. CHOOSE THE COLOR. CHOOSE THE PATTERN.
I-STONE turns vour creative vision into something exclusive.



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TIE DYE *revolution*



INNOVATIVE DYEING SOLUTIONS FOR UNIQUE SURFACE EFFECTS

Each garment is one of a kind.
Industrial control, artisanal effect.
Aesthetic consistency at scale.

From classic tie dye to advanced finishes.
Our Tie Dye System combines tradition and innovation, offering large-scale dyeing solutions.
The result? Unique colour effects and a distintive look, designed to bring your ideas to life.



INDUSTRIAL PRODUCTION *with an artisanal effect*

Aesthetic consistency
Even in large-scale runs. Our process controls flow, fixation and repeatability.

High colorfastness
Tested to 4-5. Washing, rubbing, light. Built for performance collections.

Solid + tie-dye combos
Same garment, two souls. Solid panels meet dyed zones. Zero compromise.

Craft + tech balance
Hand-made look, industrial reliability.
The best of both worlds.

COLOUR BUILT TO LAST

Our Tie Dye is not just an effect. It's an industrial process engineered for large-scale consistency and retail performance.

Every fabric undergoes a full suite of colour fastness tests

5/5 COLOUR FASTNESS TO WATER
No change in color. Excellent resistance.

5/5 PERSPIRATION ACID & ALKALINE
No change, ideal for activewear.

4/5 ARTIFICIAL LIGHT XENOTEST
Good lightfastness for in-store display.

5/5 DOMESTIC & COMMERCIAL LAUNDERING
No change after washing.

4/5 RUBBING DRY & WET
High resistance to color transfer.

ONE -OF-A-KIND | FOR EVERY GARMENT | CUSTOM PALETTE







THE ICONIC LOOK OF NATURE REIMAGINED FOR PERFORMANCE.

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DYEING INNOVATION



I-STONE PRO

STONE WASHED. TAKEN FURTHER.

A new dimension of colour.

The vintage stone washed effect, evolved. Flowing light-to-dark tonal gradients develop along the garment, creating unexpected colour effects and a new visual dimension for seamless.

Not printed. Not simulated. Real.

THE SIGNATURE ELEMENTS OF I-STONE PRO

TONAL GRADIENT
Additional shading that builds naturally along the length of the garment.

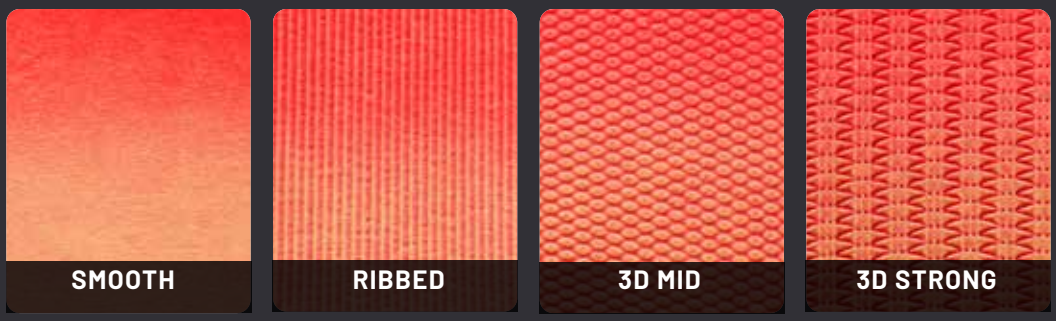
FLUID TRANSITIONS
Irregular, non-mechanical colour shifts — never flat, never uniform.

3D FABRIC READING
Every relief, every knit structure is selectively enhanced by the treatment.

ALREADY WORN FEEL
Authentic lived-in aesthetic — not printed, not simulated. Real.

ONE TREATMENT, MANY PERSONALITIES

The same colour reacts differently on every surface. Each fabric becomes its own world.



COLOUR FASTNESS - BUILT TO LAST

I-STONE PRO garments are engineered to hold their colour over time — maintaining brilliance and intensity through continuous use. Every article passes a rigorous set of colour fastness tests carried out according to international textile industry standards.

WASH FASTNESS
Colour retains its original intensity cycle after cycle — no fading, no transfer onto other fabrics.

YELLOWING RESISTANCE
White and pastel shades are tested to resist yellowing, ensuring lasting appearance over time.

WATER FASTNESS
The dyed fabric holds its colour in contact with water — no dye release onto other materials.

PERSPIRATION FASTNESS
Colour remains stable even in contact with sweat — chromatic integrity under the most demanding conditions.

WHY IT MATTERS FOR YOUR COLLECTION

- Perceived value that goes beyond the price point — without adding complexity to your sourcing.
- Directly aligned with consumer trends: vintage, lived-in, authentic textures are the direction of the market.
- References no competitor can replicate off-the-shelf. Each piece is uniquely treated.
- Compatible with activewear, athleisure, technical seamless and intimate collections.

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DYESTONE

THE COLOUR THAT NEVER REPEATS ITSELF.

An exclusive dyeing process that combines tie-dye creativity with stone-wash depth
Every garment is one of a kind.



DYE STONE brings two techniques together in a single process: tie-dye colouring, with random patterns that never repeat, and I-STONE washing, which gives every garment a lived-in, stone-washed depth. The result is raw, natural and unmistakably distinctive.
No two garments are alike.

TWO EFFECTS. ONE SIGNATURE LOOK.

EFFECT 01

VINTAGE LOOK WITH AUTHENTIC STONE WASHED DEPTH

The tie-dye colour spots are combined with the characteristic vintage effect of I-Stone for a natural worn look and a soft, lived-in feel.



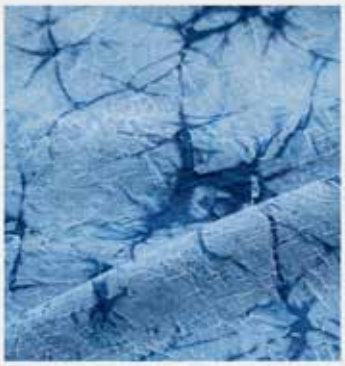


EFFECT 02

VINTAGE LOOK WITH LIGHT-TO-DARK GRADIENTS THROUGHOUT THE GARMENT

The tie-dye colour spots are combined with the advanced I-Stone pro finish, create a vintage effect with natural light-to-dark shading across the entire piece.





9 SHADES, EACH IN BOTH EFFECTS



41075 41076 41077 41078 41079 41080 41081 41082 41083

COLOUR PERFORMANCE YOU CAN COUNT ON.

Both effects maintain excellent a coulour fastness, ensuring lasting quality and performance - even after repeated washing.

WASH CERTIFIED

WATER CERTIFIED

PERSPIRATION CERTIFIED

ANTI-YELLOWING CERTIFIED

DIFFERENT EFFECTS THE SAME RELIABILITY.

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I-SIGN

WHEN PRESSURE BECOMES IDENTITY.



A new finishing process that transforms seamless garments into unique pieces, adding texture, graphics and 3D effects through heat and pressure.

No prints. No additional materials.
Just the fabric, reimagined.

TWO APPLICATIONS. ENDLESS POSSIBILITIES.

01

I-SIGN GRAPHIC

Custom graphics,
directly on the garment.

Logos, lettering, geometric motifs or custom artworks are transferred through a dedicated embossing matrix.

The pressed areas become smoother and naturally glossier, while the untouched surface preserves its original appearance.

02

I-SIGN SCULPT

3D textures, that
catch the light.

On three-dimensional knitted constructions, I-SIGN creates entirely new effects.

Raised areas become glossy, lower areas stay matte.

Light defines the structure.



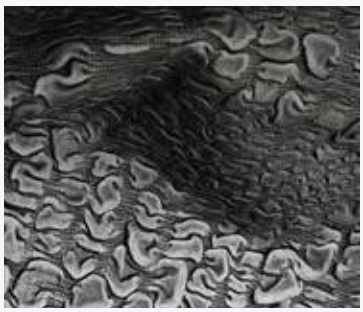
FROM SURFACE TO SIGNATURE.



LOGOS & BRANDING



GRAPHIC PATTERNS



NATURAL EFFECTS



ALL-OVER OR LOCALIZED



UNIQUE AESTHETICS

Custom textures, logos and graphics.

SOFTER HAND FEEL

Smoother, more fluid, more comfortable.

PERMANENT EFFECT

Designed to last, wash after wash.

SUSTAINABLE APPROACH

No extra materials, less impact

I-SIGN turns fabrics into recognizable identities.
Custom. Permanent. Seamless.

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I-SHAPE

THE SEAMLESS CORSET. REINVENTED.

TARGETED SUPPORT
NATURAL SHAPING
ZERO CONSTRAINT



INTERNAL MEMBRANES

Strategically positioned inside the garment to create targeted shaping and support without additional seamless



INSIDE VIEW

The membrane is applied directly to the fabric, becoming a supportive layer that sculpts the body

THE BENEFITS

- PERFECT FIT
  stays in place without rolling
- TARGETED COMPRESSION
  support where it matters
- INVISBILEUNDER CLOTHING
  ultra-flat bonding finishes
- SECOND-SKIN COMEORT
  adapts and follows the body

I-SHAPE is Norman Group's innovative seamless shaping technology that integrates strategically positioned internal membranes directly into the fabric, creating a targeted support system that shapes the body without additional seams.

The result is the sculpting effect of a corset with the comfort, flexibility and second-skin fit of seamless garments: targeted compression, a naturally shaped silhouette, no rolling and an invisible finish under clothing thanks to bonding technology.

I-SHAPE

SHAPING CAPSULE



HIGH WAISTED BRIEFS



MIDI SHORTS



UNDERBREAST BODYSUIT



UNDERBREAST BODY WITH PANTY



BONDING

NO STITCHES. NO BULK.
JUST AN INVISIBLE FINISH.

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SPECIAL FABRIC

FLAME RETARDANT



CERTIFIED PROTECTION. BUILT FOR PERFORMANCE.

Advanced seamless base layers engineered with meta-aramid fibers to deliver outstanding protection, comfort and mobility.

POWERED BY **META-ARAMID FIBERS**

TESTED ACCORDING TO EN ISO STANDARDS

LIMITED FLAME SPREAD
EN ISO 11612:2015

A1

HIGHEST LEVEL

No flame on edges
No hole formation
No flaming debris
Afterflame time < 2 s
Afterglow time < 2 s

CONVECTIVE HEAT PROTECTION
EN ISO 11612:2015

B1

PERFORMANCE LEVEL

4 < HTI24 < 10

RADIANT HEAT PROTECTION
EN ISO 11612:2015

C1

PERFORMANCE LEVEL

7 < RHTI24 < 20

CONTACT HEAT PROTECTION
EN ISO 11612:2015

F1

PERFORMANCE LEVEL

5 ≤ t < 10

HEAT RESISTANCE AT 180°C
ISO 17493

No ignition, no melting, shrinkage ≤ 5%

PASS

BURST RESISTANCE
ISO 13938-1 / ISO 13938-2

> 100 kPa (50 cm2 test area)
> 200 kPa (7.3 cm2 test area)

PASS

POWERED BY META-ARAMID FIBERS

Inherently flame-resistant fibers that do not melt, drip or support combustion.
High thermal stability, excellent durability and comfort next-to-skin

KEY BENEFITS

INHERENT FLAME RESISTANCE
Protection built into the fiber, not added on.

COMFORT & BREATHABILITY
Soft, lightweight and breathable next-to-skin.

SEAMLESS CONSTRUCTION
Maximum freedom of movement, no pressure points.

DURABILITY
High strength and long-lasting performance.

CERTIFICATION AVAILABLE
Garments can be FIA certified on request.

ENGINEERED FOR EXTREME CONDITIONS.

MOTORSPORT
First layer protection for drivers and mechanics.

INDUSTRIAL
Oil & Gas, Energy, Manufacturing.

PROFESSIONAL SAFETY
Fire Services, Rescue, Emergency Teams.

PROTECTION YOU CAN TRUST
PERFORMANCE YOU CAN FEEL

Norman Group
Seamless Technology

CUT RESISTANT

3-STAR PROTECTION

PROTECTION. WARMTH. FREEDOM.



The technical fabric that combines cut-resistant protection and thermal insulation in one garment.

DUAL PROTECTION

Cut-resistant protection and thermal insulation in one solution. A 2-in-1 garment that replaces the combination of protective trousers and thermal underwear.

NATURAL COMFORT

Soft against the skin, it allows unrestricted movement and adapts naturally to the body's anatomy.

30% MORE STRETCH

Thanks to its innovative structure, the fabric is 30% more elastic than the average, ensuring a natural fit and maximum freedom of movement.

FUNCTIONAL SEAMS

Inner-leg seams follow functional lines designed to facilitate potential emergency interventions when necessary.

TECHNICAL FABRIC

OUR CUT-RESISTANT FABRIC

Protection. Warmth. Elasticity.

Everything in one solution.

CERTIFICATIONS

UNI EN 388:2019

Blade cut resistance:

LEVEL 3

EN ISO 13997

Cut resistance measured by the force required to cut the fabric:

LEVEL F – MAXIMUM LEVEL

CONFORMS TO FIS Specifications CRG 2021

The textile was successfully tested for ski edge cutting strength at the German Institutes of Textile and Fiber Research Denkendorf (DITF) in the Service Center Testing Technologies.

DITF DEUTSCHE INSTITUTE FÜR TEXTIL+FASERFORSCHUNG

Due to the achieved ski edge cut resistance of 300 Newton, 3 stars were awarded by the FIS.



ANATOMICAL FIT

Designed to follow the body's shape like a second skin.

INNOVATIVE STRUCTURE

Greater elasticity, comfort and performance.

FUNCTIONAL SEAM PLACEMENT

Inner-leg seams designed with emergency access requirements in mind.

PERFORMANCE AT A GLANCE

- CUT-RESISTANT PROTECTION
- THERMAL INSULATION
- 30% MORE STRETCH
- WINTER SPORTS

Applicable I-BAND and I-CONE patented technologies can further improve garment fit and production sustainability.

i-Band nr. 102016000114568

I-BAND
Enhanced fit and stability.

I-CONE nr.102021000012941

I-CONE
Optimised material use and reduced waste.

BUILT FOR COMPETITIVE WINTER SPORTS

One garment. Two functions.

Cut-resistant protection and thermal insulation for demanding winter-sports activities.

Norman Group
Seamless Technology



WHAT IF SUSTAINABILITY STARTED WITH THE WASTE WE DON'T PRODUCE?

ECO TEKNIT – Norman Group's process optimization for reducing textile waste without changing the final garment.

ECO TEKNIT

THE OPTIMIZATION OF PROCESS WASTE ON EVERY ITEM

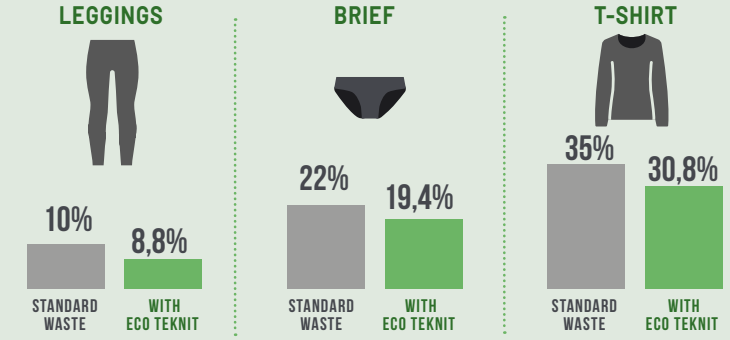
ECO TEKNIT works on the optimization of yarn consumption in the waste areas of the garment.

It does not affect the garment's design, fit, performance or appearance.

It simply allows us to produce less textile waste for every garment, by making the waste portion lighter and more efficient.

And because ECO TEKNIT is applied as a standard production process, its environmental benefit is generated continuously across our production volumes.

THE IMPACT ON EVERY GARMENT



-12% AVERAGE WASTE REDUCTION

An optimization applied directly to the manufacturing process, with **no impact on the final garment.**

2025: THE NUMBERS SPEAK

TEXTILE WASTE GENERATED
1.381 TONS with ECO TEKNIT

ESTIMATED WASTE WITHOUT ECO TEKNIT
1.434 TONS

WASTE AVOIDED
53 TONS of textile waste not produced

CO_2 **1,552 TONS CO2 EQ.**

The reduction in textile waste generated through ECO TEKNIT corresponds to an estimated: 1,552 TONS OF CO2 EQUIVALENT

SUSTAINABILITY BY DESIGN. SUSTAINABILITY BY PROCESS.

- LESS MATERIAL CONSUMPTION
- LOWER ENVIRONMENTAL IMPACT
- LESS TEXTILE WASTE
- SAME PRODUCT PERFORMANCE.

Norman Group
Seamless Technology

A STRONGER SUPPLY CHAIN BUILDS GREATER VALUE.



CERTIFIED. AUDITED. COMMITTED.

For leading international brands, sustainability and responsible production are not just targets – they are essential choices. At Norman Group, we turn these values into daily actions, certified processes and measurable results.

OUR CERTIFICATION

INTERNATIONALLY RECOGNIZED.
INDEPENDENTLY VERIFIED.

We work according to the highest international standards, with certified systems that ensure responsible production, product safety and respect for people and the environment.

- OEKO TEX® — STANDARD 100D
- Global Recycled Standard — GRS CERTIFIED
- Higg Index — FEM & FSLM VERIFIED
- ZDHC — ZDHC COMPLIANT
- Sedex — SEDEX MEMBER

A BROAD AUDIT PROGRAM ACROSS THE GROUP

Every year, the companies of Norman Group undergo a wide range of independent audits that cover all key areas of our business:

- ENVIRONMENTAL MANAGEMENT
- PRODUCT & PROCESS QUALITY
- SOCIAL & LABOUR RESPONSIBILITY
- TECHNICAL COMPLIANCE



AUDITS 2025
DETAILS BY COMPANY

	ENVIRONMENTAL	QUALITY	SOCIAL	TECHNICAL
Intimidea srl	1	2	-	-
Norman srl	3	-	-	-
I-Novi tekstili	1	2	1	1
Intimidea sro	-	1	-	-
Intimidea Factory Sro	1	-	-	-



NORMAN GROWTH LAB

DO YOU NEED TO INCREASE SALES?
LOOKING FOR NEW PRODUCT IDEAS?
DON'T KNOW WHERE TO START?
WE DO THE WORK WITH YOU.

MORE THAN A SUPPLIER.
A STRATEGIC PARTNER.

With the Norman Growth Lab, we support you at every stage of the journey, from market analysis to sales, combining strategic vision, innovative technologies and integrated production.

We don't just develop products. We help you build products that sell.

THE NORMAN GROWTH LAB: Our method. Your success.

A complete and flexible process designed to turn your ideas into high-performance, Innovative and sustainable products

01
MARKET RESEARCH
We study trends, consumer needs and market opportunities.

02
COMPETITOR ANALYSIS
We analyse competing products to identify gaps and opportunities for differentiation.

03
PRODUCT & COLLECTION STRATEGY
We transform market insights into concrete product concepts.

04
TECHNOLOGY & SOLUTION
We select the right materials, structures, technologies and production solutions for your needs.

05
PROTOTYPING & DEVELOPMENT
From the first concept to functional prototypes, we develop and refine the product with you

06
ETHICAL & SUSTAINABLE PRODUCTION
We bring the approved product into industrial production with controlled quality and responsible processes.

07
PRE & POST SALES SUPPORT
Our team stays alongside you throughout the development and production process.

INNOVATION.
QUALITY.
SUSTAINABILITY.
RELIABILITY.

From performance and comfort to sustainability, cost optimisation and product differentiation, our R&D and manufacturing expertise helps you transform challenges into products that sell.







TRUSTED BY LEADING BRANDS

UNITED COLORS OF BENETTON. · X-BIONIC · adidas · Champion AUTHENTIC ATHLETIC APPAREL · odlo · FREDDY · HEAD · KING · LA SPORTIVA · CRAFT · PUMA · DUCATI · DECATHLON · INTERSPORT · alpinestars · dr SPORT SPECIALIST

Norman Group
Seamless Technology

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