



LITRAX

We 10⁻⁹ Anything



Swiss LITRAX provides advanced, innovative and environment-conscious nanotechnology for polymer chips, materials and consumer products in distinguished markets throughout various industries. Our goal and expertise is to enable our industrial partners worldwide creating new markets, increasing competitive edge, staying profitable and outperform with thoughts that ultimately become engineered things.

With powerful R&D laboratories and globally extending production capabilities, we deliver mind-blowing solutions to challenges in key industries and ever changing consumer behavior. LITRAX makes its core technologies available and affordable to anyone.

LITRAX - Thoughts become Things.

SWISS  BRAND



L1 NATURAL Fibers

Applications: Biodegradeable, sustainable, natural yarns
 Polymer: Cellulose materials of various origins (bamboo, hemp, nettle, etc.)
 Tests passed: Oekotex 100



L2 THERMO

Applications: Warming, insulation, body-heat retention
 Polymers: PET, PA, PP, ABS, HDPE, Acrylic
 Tests: +13.8°C (L2 PET) warming versus +2.9°C (virgin PET) FTTS-FA-010 (Taiwan Textile Research Institute TTRI)



L3 SKIN CARE

Applications: Moisturizing, Skin care, Co-Enzyme Q10, Palmitoyl Tripeptide-28, Healing minerals
 Polymers: PET, PA, PP, PE
 Tests: FTTS-FA-004 & 005 (TTRI), Swiss PRIMOS(c), Swiss TEWL (R)



L4 UV-PROTECT / UV-ALARM

Applications: Ultraviolet protection
 Polymers: PET, PA, PP, ABS, HDPE
 Tests: 50+ UPF with FTTS-FA-008 (TTRI) AATCC 135 (1) (III) (A)



L5 COOLING

Applications: Cooling, Moisture transferring, Moisture adsorption
 Polymers: PA, PET, PP
 Tests: Q-MAX Factor 0.09 to 0.19 with FTTS-FA-019, FTTS-FA-004 (TTRI)



L6 DEODORIZE

Applications: Deodorizing natural odors, partly anti-bacterial
 Polymers: PET, PA, PP, ABS, HDPE
 Tests: 96 - 99% Deodorizing rate with FTTS-FA-018 & 017 (TTRI)



L7 FIR - HEALTH

Applications: Blood flux increase, Warmth, Health additives, Tourmaline, Collagen, Vitamins
 Polymers: PET, PA, PP, Latex
 Tests: FTTS-FA-010 (TTRI), and medical lab tests according to application



L8 ACTIVE CARBON

Additives: Bamboo, Coconut, Coffee, Bio-Waste, others on request
 Applications: Various according to international charcoal and active carbon studies
 Polymers: PET, PA, PP
 Tests: FTTS-FA-001, 003, 008, 010, 016, 018 (TTRI)



L9 ANTIBACTERIAL

Applications: Antibacterial (bacteria killing) Antifungal, Deodorizing, Health, Hospital, Public places
 Polymers: PET, PA, PP, ABS, HDPE
 Tests: FTTS-FA-001, 002, 006, 018 (TTRI)



L10 CAMOUFLAGE

Applications: Invisibility to infrared detection, complete FIR adsorption
 Polymers: PET, PA, PP
 Tests: FTTS-FA-010 (TTRI) human spectrum 3 - 14µm or 2 - 22µm



L11 FLAME RETARDENT

Applications: Flame-Resistant Textiles
 Polymers: PET, PA
 Tests: FTTS-FA-015, EN 1103, ISO 6941, BrbV 817.043.1



L12 PHARMA-MEDICAL

Additives: Custom designed chemicals, minerals, medicine, natural supplements
 Applications: Pharmaceutical, Medical
 Polymers: PET, PA, HDPE
 Tests: Medical lab tests according to application

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For more information please contact our Head Office

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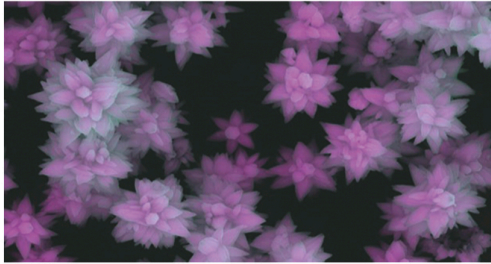
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Email us today.



We Nano Anything

We transform a wide number of organic, mineral and manmade (3D nano) materials into nano particles and powerful additive solutions for products with strong performance. Our ability to virtually use "any" material for specific target functions enable us to grow into a global, competitive solution house with a distinctive product portfolio and swift technical support.

LITRAX creates and forms nano particles combining them with specialty chemicals to provide powerful unique selling propositions and added value to customers in a variety of applications: beauty, rejuvenation, outdoor, sports, fashion, transportation, building materials, skin & body protection, electronic devices, medical pharmaceutical intermediates, fragrances, and yet unknown future solutions.

Our technologies can be either built in to materials (polymer chips, films, liquids, foams) or applied on surface (treatment, finishing, spraying).

We Chip Anything

LITRAX chips virtually anything on demand. We create functional Polyester, Polyamide, Polyurethane, Polyethylene, Polypropylene, ABS, and other polymer master batches. For textiles, films, foams and other fabricates we create strong performing additives that combine excellently or in some case greatly enhance the function and performance of our primary polymer chips.

Your specific performance needs are our daily business, no matter how wild they are. We'll design, sample, produce and deliver an individual solution right to your door.

Email us today.

LITRAX Innovation

LITRAX transforms the level of body and mind comfort through powerful, innovative and creative solutions, designed for various key industries.

You find LITRAX technology in outdoor and fashion clothing, automotive, electronics, packaging, building, medical, lifestyle products and more.

LITRAX won several awards, including the prestigious German **ISPO TOP 5 Fiber Innovations** award. With R&D facilities in Switzerland, Germany and Taiwan, we operate and partner in over 20 countries across North America, Europe, Africa, Middle East and the Asia-Pacific region. Our aim is to help our industrial clients to renew and strengthen their product cycles, expertise and create powerful added values to their portfolios.



Explore LITRAX solutions and take advantage of our custom designed technologies for your added value.

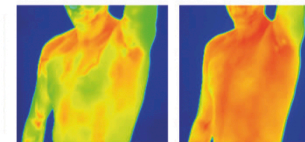
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LITRAX Products

LITRAX supports and recommends following product types for its nano solutions:

- Filaments & Fibers (icons: round, hollow1, hollow4, trilobal, multilobal, hexagonal)
- Films & Packaging materials
- Molded Forms and Surface treatment
- Building materials
- 3D Printing materials
- Nano Membranes
- Finishing solutions & liquids for textiles and surfaces



L2 THERMO strong and instant warming

Your Creative Solutions Partner

We successfully build and expand a strong LITRAX position as the primary supplier of choice for advanced functional textile and high-performing biodegradable fabricates and products.

We continuously improve our operations, alliances and products to ensure that LITRAX products and services meet or exceed the most stringent customer requirements for innovation, function, quality and flexibility.

LITRAX
Try us - You'll like us.

Trial Spinning & Extrusion

LITRAX offers complete project management. You get the advantage of trying and testing out a particular idea, before marketing it at full scale.

LITRAX assists to produce your creation in cooperation with chosen industrial partners or with your R&D lab.



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Prototyping

LITRAX engineered solutions combines nano particles technology and selected polymers ready for final extrusion or molding in cooperation with you and your industrial partners of choice.

- Nano particles
- Master batches
- Fibers
- Filaments
- Textiles
- 3D Forming & Extrusion

