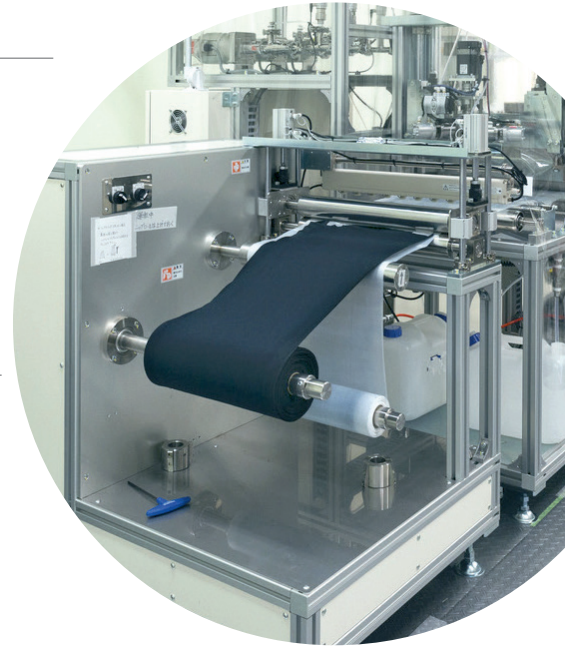


AI SILK's LEAD SKIN

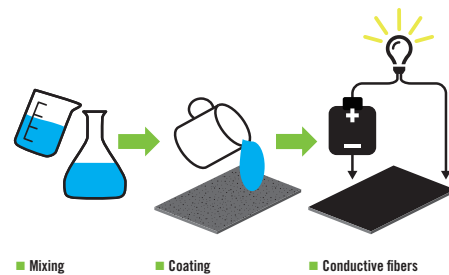
Integrating Conductive Textiles with Artificial Intelligence

AI Silk from Japan has developed the innovative new conductive fiber/textile **LEAD SKIN** made through dyeing technology and which is now available in the market. Clevios™, the pioneer and leader in PEDOT chemistry, is coated on the fibers and provides the material with excellent conductivity.



Features

- **Soft to touch, comfortable to wear**
 - Superior moisture absorption and retention
 - Excellent washing/laundry durability
 - Highly conductive, usable as electrode for biological signal sensors and electrical stimulation
 - No corrosion, withstanding moisture and sweat
 - Obtained OEKO-TEX Standard 100 Class 1 certificate
- **Unique electrode manufacturing technology**
 - Developed through low-cost manufacturing process
 - Achieved sheet resistance 10 ohm/sq
- **Compatible with various materials and shapes**
 - An established coating technology for inexpensive polyester fiber
 - A developing technology for non-woven fabric and synthetic leather with exciting new applications in vehicles



Made with
 Clevios™

Supports effective training and rehabilitation with comfortable electrical stimulation

Highly conductive **LEAD SKIN** provides comfortable electrical muscle stimulation without tingling, a common issue with electrodes made with metal. It supports training and rehabilitation activities with superior moisture absorption without the degradation of the electrode by sweat.

Stress-free measurement of vital data

Conventional electrodes can cause irritation with prolonged skin contact. By adding the electrode to textiles, **LEAD SKIN** successfully reduces the risk of itching and rashes for more comfortable experience and better wearability, especially for the elderly and those with sensitive skin.

In addition, **LEAD SKIN** stays effective even after washing, retaining the function of the electrode. As a result, the electrode can be kept clean and hygienic while remaining fully reliable for a long time.