

WEARABLE EXPO

Wearable Device & Technology Expo

As of Dec.8

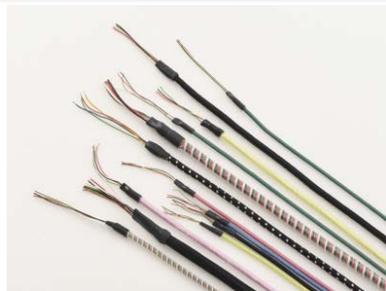


Fibers, Sensors, Batteries, etc.

Forefront of the Essential Technologies for Wearable Devices

At WEARABLE EXPO-the world's largest exhibition for wearable devices & technologies, technologies and components which are indispensable for developing "safe", "compact", "light", and "high-functional" wearable devices will all gather!

Exhibits (Excerpts)



ROBODEN
/ASAHI KASEI CORP.

ASAHI KASEI CORP. invented the stretchable electric wire! They will introduce this product at Exhibitor's Presentation.



Highly Conductive Yarns
/VOLT SMART YARNS

Volt smart yarns offer the world's only smart yarns that can be sewn in the needle and bobbin of a commercial sewing machine. The yarns can be sewn across seams and allow any fabric or clothing to become a Smart Fabric.



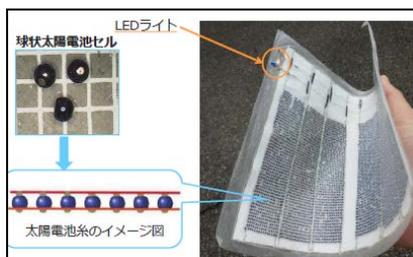
e-stretch
/SHINDO CO., LTD.

E-stretch is the conductivity stretch tape which becomes stable, and it's possible to supply electricity being soft as wiring of wearable and it was comfortable skin.



Stretchable conductive materials
/OSAKA ORGANIC CHEMICAL INDUSTRY LTD.

It has excellent elongation and Low Young's modulus.



Photovoltaic textile
/URASE CO., LTD.

Developed photovoltaic power generation yarn with spherical photovoltaic power generation elements. We have developed a compact photovoltaic power generation textile by weaving this yarn into a weft yarn. The output of solar photovoltaic textiles can be arbitrarily designed with a weft thread pattern.



Textile FPC
/TAIYO INDUSTRIAL CO., LTD.

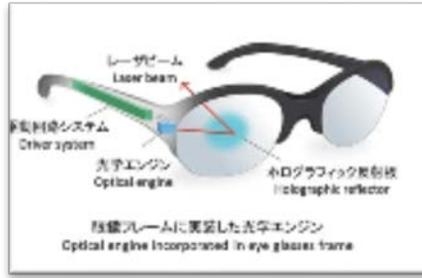
Enable to form a circuit on the textile and excel conductivity and flexing properties.

*In random order.



**KUREHA KF Piezo sensor
/KUREHA CORPORATION**

It is the sensor making full use of flexibility, durability and easy processability of KF piezo film. It outputs against dynamic changes such as compression and elongation, so it is used for monitoring biological signals such as body movements. Also, it is used for Force sensors that measure dynamic distortion such as vibration and impact, and Acceleration sensors that measure dynamic load change.



**Eye wear display and its key elements/
KST WORLD CORP.**

Optical key elements composing retinal scanning displays are displayed. The extremely small optical engine fabricated by us provides a unique eye wear display, which keeps almost the same appearance as the conventional eye glasses. Thus, these displays offer user-friendly wearable displays and eye wear displays for medical use, which potentially realize unique future ICT services.



Hi-Current Small Battery

**Li-ion Polymer Battery For AR Smart Glasses
/J.S. POWER CO., LTD.**

It is the small Li-ion Polymer Battery. This battery can discharge the enough current for AR Smart Glasses. In addition, this battery can support the hi-performance and multi-function of AR Smart Glasses.



**C-STRETCH(TM) Swallowing count measurement tool
/BANDO CHEMICAL INDUSTRIES LTD.**

Measure the laryngeal movement and inform you of swallowing. At the timing of swallowing, You will be notified by sound or light from the device, or by vibration of the terminal that received the wireless signal. The swallowing count and the timing of swallowing will be recorded automatically. It easy to check the record daily.



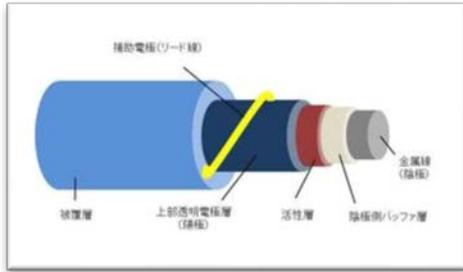
Rubber band for wearable devices./POLYMATECH JAPAN CO., LTD.

Wearable devices should be touching human skin. Wearable band is required to have softness with strength and be good for environment. Our base material for a band is silicone and Fluorine. Our unique compound technology allows to have soft texture with good strength. Our outstanding insert-molding technology allows to have a sensor, OLED and battery inserted in a band and improve function of a band.



**CARDIOSKIN
/SERVIER**

Cardioskin is a CE marked noninvasive medical device which allows cardiovascular parameters home monitoring and ambulatory diagnosis from a few days to several weeks, via an ECG 15 leads.



Fiber and cloth-shaped solar cell/SUMINOE TEXTILE CO., LTD.

These devices can generate power with light.



Hamon / MITSUFUJI CORPORATION

Smart shirt



COCOMI/TOYOBO CO., LTD.

Stretchable Conductive Film.

**Many more products/technologies will be on display.
See all on [Exhibitor & Exhibit Directory](#).**

Visitor Registration

If you have not got invitation ticket, register from here
>> <http://www.automotiveworld.jp/en/inv/>

Press Registration

Interested in Covering the Shows? Register Yourself.
>> <http://www.automotiveworld.jp/en/shuzai/>

* Above information on the exhibits are quotations from exhibitor directory and the websites of exhibitors and some were edited by Show Management.