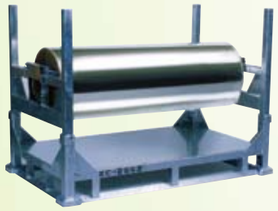
Using premier technologies to promote the evolution of an industrial society

We use advanced materials and film-making technology to provide high-performance film materials that contribute to a wide variety of fields. We will continue to pursue the development of state-of-the-art technologies to ensure that our customers stay ahead of the competition.

The Field of Display Materials

TAC film for LCD polarizers

LCD displays are currently used in a wide range of applications, including LCD TVs, personal computers, and cell phones.
Konica Minolta manufactures TAC film, which is used as a protective coat for LCD polarizers.



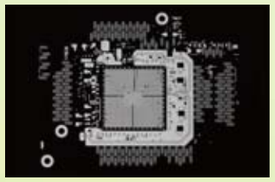
VA-TAC film for increasing viewing angle

This new type of thin film has the added function of increasing the viewing angle for LCD screens.

We have also succeeded in manufacturing wider films in response to the need for larger screen sizes.

High-precision photo plates

Used as photomask materials in the manufacture of electronic circuits.



The Field of Lighting

Organic Light Emitting Diode Lighting

Using Konica Minolta's proprietary blue phosphorescent materials, this lighting delivers high luminous efficacy and a long lifespan. Moreover, it is characterized by its uniformity of light, displaying consistent colors and brightness across a wide range of viewing angles.

Organic Light Emitting Diode Lighting offering luminous efficacy of 45lm/W

Symfos

The demonstration model "Sprout," displayed at an exhibition

The Field of Functional Films

Barrier film

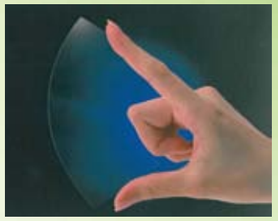
This ultra-thin total inorganic layered barrier film combines high thermostability with flexibility and also boasts superior water vapor barrier properties. Its capabilities are utilized in various devices including solar photovoltaic cells.

Functional film for windows

Our Company produces film for windows that offer outstanding functions. Our line-up includes four types of film: thermally insulated film, thermally insulated and dirt-resistant film, dirt-resistant film, and shatterproof film.

Flexent

ICE-μ



Technology

Contributing to the development of a solar thermal power system by pioneering material technology

Concentrated solar thermal power generation involves the use of multiple mirrors to collect sunlight. This solar heat is then used to produce steam that drives power generating turbines. The mirrors used in equipment that utilizes solar heat such as hot water and air-conditioning equipment and equipment for the desalination of seawater are also used for long periods in harsh conditions, including desert regions. Therefore, in order to maintain high reflective performance, they must be highly durable and resistant to dirt, damage, and erosion. Konica Minolta has developed thin, flexible, and light mirror film in response to these demands. Going forward, we will accelerate its commercialization and contribute to wider adoption and evolution of solar thermal power generation.

Mirror film

Concentrated solar power generators