

November 11st, 2020

Light Source Thinner Than Paper (iOLED™ Film Light Source) for More People -Start of Manufacture in the Pilot Line-

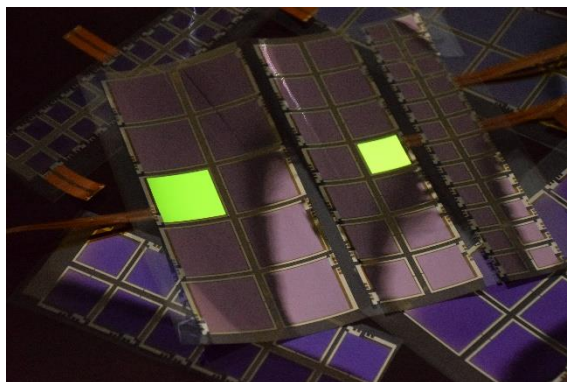
NIPPON SHOKUBAI CO., LTD. (Headquarters: Osaka, Japan, President: Yujiro Goto, hereinafter "Nippon Shokubai") will commence the manufacture of a light source thinner than paper (iOLED™ film light source) on the pilot line. This will allow the product to be used by more people and enable us to respond to evaluations of the quantity necessary for commercialization.

The iOLED™ film light source has overcome the long-standing problem associated with organic EL, which is the degradation of the device due to oxygen and moisture in the air, through materials and device technology (iOLED™ technology) jointly developed by Nippon Shokubai and Japan Broadcasting Corporation (NHK). As a result, we realized a highly flexible light source with a thickness of not more than 0.1 mm, which is thinner than paper.

We have so far provided small quantities of samples in response to inquiries received from a wide range of interested parties, including customers from the automobile, fashion, packaging, beauty, and medical care industries. On this occasion, we started up the pilot line to enable more intensive testing on a larger scale. The maximum size of the substrate being manufactured is 200 mm x 200 mm, and the production capacity has been increased by at least 10-fold through partial automation of the manufacturing line. We will be utilizing this pilot line to provide samples with colors, shapes, and characteristics suitable for the format of use requested by customers at various stages of development.

iOLED™ film light source will be introduced at the Neo Functional Material exhibition (online exhibition), which will be held in December. Various materials will be provided at our company booth, including movies that allow guests to experience the thinness of the product.

We aim to create a bright new future with the new light from this iOLED™ film light source and continue to make efforts to realize our company philosophy of "TechnoAmenity-Providing affluence and comfort to people and society, with our unique technology" through the development and industrialization of innovative and superior technologies.



Photograph : iOLED™ manufactured on 200 × 200 mm size of substrate

About NIPPON SHOKUBAI Co., Ltd.: Since 1941, Nippon Shokubai has grown up its business with unique catalyst technology. Nippon Shokubai has supplied, for example, ethylene oxide, acrylic acid, automobile catalysts, process catalysts and so on. Among all, our global market share of superabsorbent polymers is the largest in the world now. Nippon Shokubai is a global chemical company operating under its corporate mission "TechnoAmenity-Providing affluence and comfort to people and society with our unique technology." <https://www.shokubai.co.jp/en/>

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