



山形大学  
Yamagata University

**INOEL**

Innovation Center for Organic Electronics

Yamagata University

YU-FIC

Innovation Center for Organic Electronics (INOEL)

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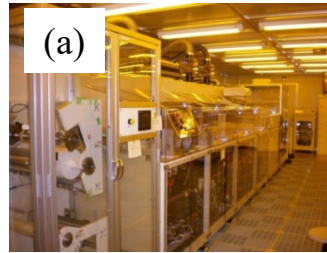
**Profile** YU-FIC is a consortium within Yamagata University in which 16 Japanese companies participate, and conducts international joint research with German research institutes and companies. The base technologies are printing and Roll-to-Roll technology, and we are developing OLED manufacturing process and products, 3D electronic circuit technology.

<https://inoel.yz.yamagata-u.ac.jp/yu-fic/>

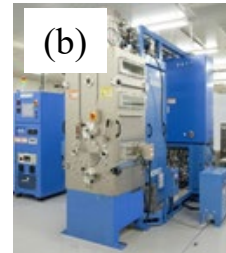
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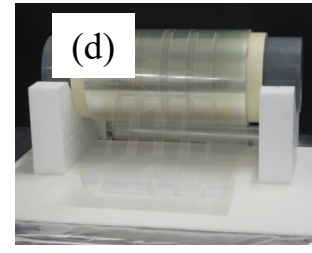
## Business Field/Core Technology/Strength



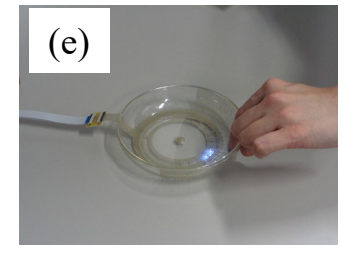
(a)



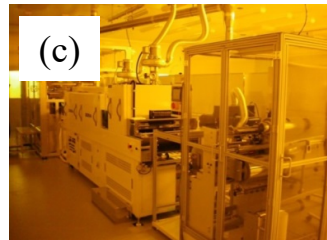
(b)



(d)



(e)

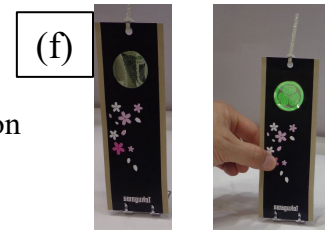


(c)

(a) Wet cleaning

(b) Vacuum deposition

(c) Printing



(f)

(d) Roll glass with electrodes

(e) 3D electronic circuit- (In-mold electronics product: LED + touch screen)

(f) Bookmark with OLED

We have 3 types of Roll-to-Roll equipment, i.e., wet cleaning, vacuum deposition and printing. Ultra thin glass, stainless steel foil plastic film can be handled by these equipment, and we can set electrodes and barrier layers on these substrates using the following our developed competence technologies.

In addition, printing equipment for sheets, various processing equipment, and measuring equipment are installed in the clean room, efficient developments are possible .