

# iMiD 2022

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Exhibitor Introduction	<p>Gosantech is a company specializing in inkjet modules and printing systems. Meniscus Pressure Controller (MPC) and ink circulation module are our core products and symbolic technologies. These are applied to Samsung Display's QD-OLED mass production line.</p> <p>Our inkjet system has excellent precision because it is equipped with a core module. We can provide both R&amp;D and mass production equipment. Currently, it is being considered for mass production by applying it to perovskite solar cells.</p>	

**Exhibit  
Description**

**1. MPC (Meniscus Pressure Controller)**

The pressure control algorithm developed by gosantech is applied and it is a key device for stable ink ejection. Since MPC precisely controls the pressure within  $\pm 7\text{Pa}$ , it can form a stable meniscus. The maximum negative pressure is up to  $-10\text{kPa}$ , and the arrival time is less than 2 seconds. Provides interlock function and sensor-mountable I/Os.

**2. Inkjet head module**

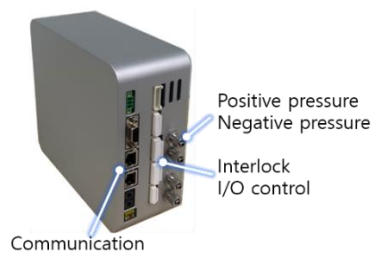
The inkjet head module is composed of reservoir and inkjet head. The ink capacity of the reservoir is at least 50ml and can be changed according to the customer's request. A circulation device is installed inside the reservoir to prevent sedimentation. The circulation between the reservoir and the head prevents clogging of the nozzle. It uses an inkjet head with more than 1024 nozzles to be suitable for mass production.

**3. Inkjet printing system**

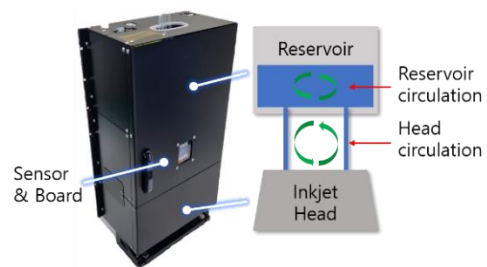
It provides an integrated inkjet printing system including MPC and head module. Both 100um-level pixel patterns and large-area uniform surface coating are possible. By using an inkjet head with 1024 nozzles, it can cope with both R&D and mass production. In addition, functions such as software, drop watcher system can be provided. Our specialists are ready to respond to your requests.

**Exhibit  
Product**

**MPC**



**Inkjet head module**



**Inkjet printing system**

