



## NEWS RELEASE

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AIDA ENGINEERING, LTD.

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### **AIDA's "BEX Series Dedicated Metal Separator Forming Presses" Have Been Awarded the "2024 Ten Greatest New Products Award" by the Nikkan Kogyo Shimbun**

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This is to announce that the "BEX Series Dedicated Metal Separator Forming Presses" developed by AIDA have been awarded the 67th Annual "2024 Ten Greatest New Products Award" by the Nikkan Kogyo Shimbun.

#### [Product Overview]

The BEX Series is a dedicated press for forming metal separators for the bipolar plates used in fuel cells and electrolyzers (water electrolysis devices), etc.

The basic press design leverages the innovative features of AIDA's high-precision UL Series presses—including the 9-point support structure and zero-clearance slide gibs—to approximately double the press rigidity. In addition, with its wide area that enables multi-stage forming and its one-point design that accommodates concentrated loads at the center of the press, it can deliver stable forming quality without deformation even at the center of the press.

Click here for details: [BEX Series Product Launch \(News Release\)](#)



BEX Series Dedicated Forming Press for Metal Separators

[Reason for the Award]

The following points were favorably evaluated when this was awarded. (Excerpted from judges' comments)

- Development of a press that enables high-precision flow path forming with relative dimensional tolerances that are within a few  $\mu\text{m}$ , suppresses the warping of the extremely thin plates (thicknesses of 0.1 mm or less), enables trimming that suppresses burr height, and delivers stable high-precision forming.
- Its unique features include a one-point design that places the load point of the press and slide in the center of the press, and a zero-clearance slide guide system.
- Hydrogen fuel cells are increasingly being used in fuel cell vehicles (FCVs), in ENE-FARMS that generate electricity and hot water from city gas, and in electrolyzers (water electrolysis devices). This product achieves high productivity through high-precision, high-speed mass production technology, and it is expected to make a significant contribution to the proliferation of fuel cells.
- The press can be judged by users to have a high level of completeness, as it utilizes the press forming technologies of a top manufacturer in the industry.

Note: This award was first established by the Nikkan Kogyo Shimbun (Japan Business & Technology Daily News) in 1958 for the purpose of encouraging the development of superior new products and spurring even higher technological advances in Japanese industry. After an exacting selection process among all the new products introduced to the marketplace, this award is awarded to 10 new products, and this award is currently considered to be the most prestigious of all such awards.

We will continue to strive to develop environmentally friendly technologies and to further improve customer service.

< Inquiries Relating to This Subject >

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