



## Launch of the "AIDA Ai CARE Data Analytics System" Service

AIDA ENGINEERING (Toshihiko Suzuki, Representative Director and President; hereafter referred to as 'AIDA') has significantly evolved its existing "Ai CARE Information Management System" in order to support our customers' further transition to DX (digital transformation) technologies, and is pleased to announce that it is now launching its new 'AIDA Ai CARE Data Analytics System' service.



### ■ Development Background

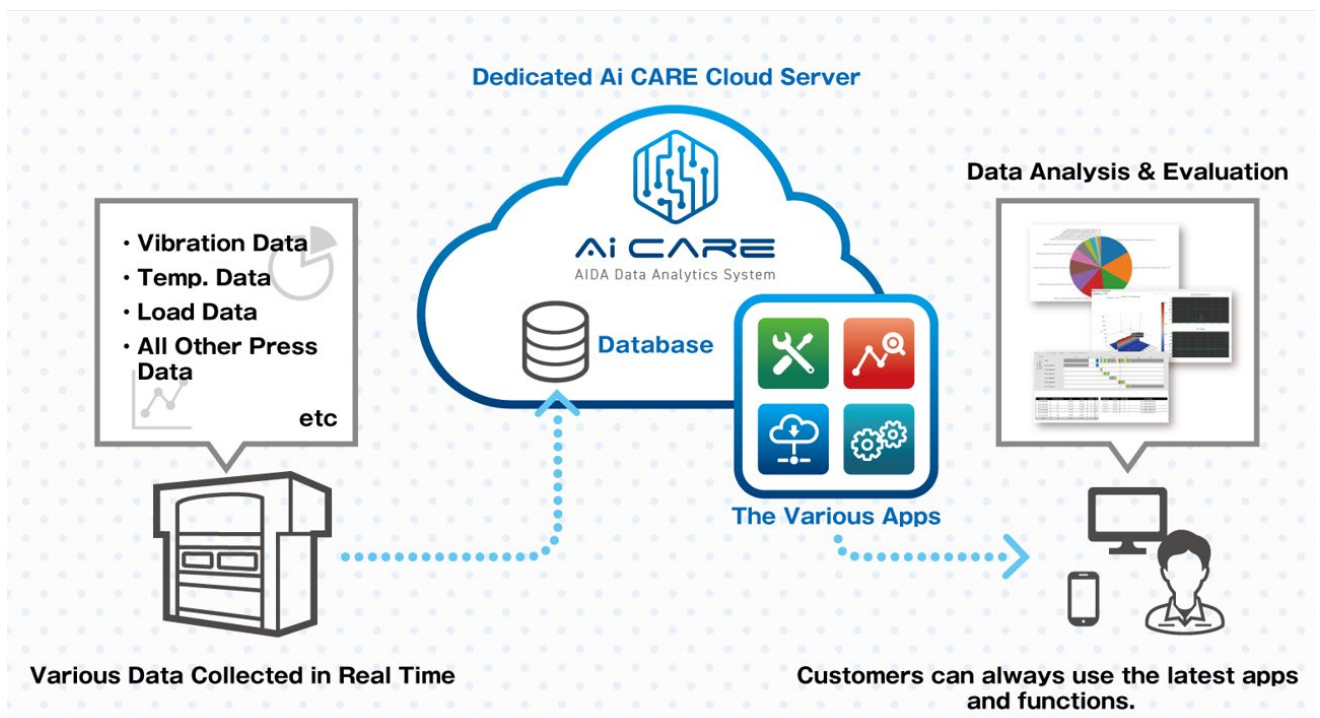
The development of IoT technology has also led to the visualization of a wide array of manufacturing data in factories. However, when it comes to determining what the data means, much of this is left up to the user.

The greatest features of the "AIDA Ai CARE Data Analytics System" are not only the visualization of data that is stored in the cloud, but also data analyses based on AIDA's many years of know-how and AI technologies.

The meaningful pattern and trend information that emerges as a result of these analyses is provided to the user in easy-to-understand visual and verbal formats to help guide even non-experts to appropriate measures via the shortest route.

### ■ System Overview

Data is gathered in real time from sensors mounted on presses and peripheral equipment and is uploaded to AIDA's dedicated cloud server via an Internet connection, where it is centrally managed. The various AI-based applications in the AIDA Data Analytics System analyze and evaluate the gathered data to provide information to users that can be used to make business decisions. AIDA will periodically update the applications during the period of service to enable its customers to always have the latest applications and features.



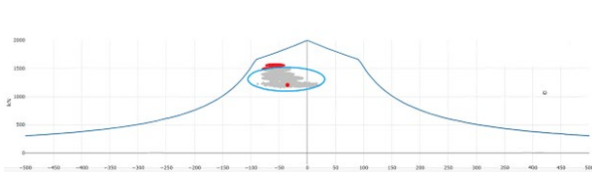
■ Features of This Service

- ① The applications analyze the gathered data and present it visually.
  - AIDA's load monitoring application analyzes the gathered data to enable users to immediately see differences between the designed load application point for a die and the actual load application point.
  - The die life monitoring application analyzes die-related data and continuously monitors current die conditions. And because it can also predict die life, it enables customers to perform die maintenance in a timely manner.
  
- ② The AI-based predictive failure detection application (health monitor) enables the creation of a detection system that matches the goals of customers.
 

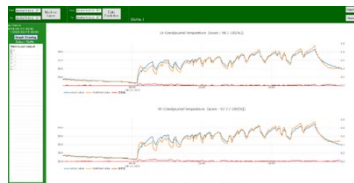
AI is able to detect small changes that would be difficult for humans to notice, enabling the detection of signs of failure at an early stage.

When a variation from the normal operation model is detected, an alert is outputted to warn of a potential failure.
  
- ③ Users can interact with the generative AI chat application (Ai CARE Chat) to gather information in order to resolve issues they are facing.
 

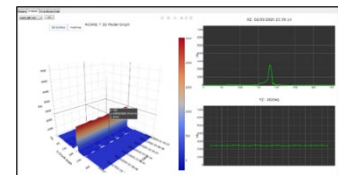
The generative AI will provide customers with the information they are looking for, ranging from information about how to operate the machine and how to get it back into operation to technical knowledge that AIDA has amassed throughout the years, such as metalforming methodologies.
  
- ④ And AIDA will continue to enhance the basic information management functions (forming, utilization, and maintenance) that support daily production management.



Load Monitoring  
(For Single-Strike Forming)



AI Predictive Failure Detection



Forming Quality Information

■ Overview of Our Services

Product Name	Primary Details	Price	Launch Date
<b>Ai CARE-HS</b> Subscription License	High-Speed Press Standard Specifications (MSP Series only)	Provided as standard (with a 2-year license)	Starting with orders received in April 2024
<b>Ai CARE-UL</b> Subscription License	High-Precision Press Standard Specifications (UL Series only)	Provided as standard (with a 2-year license)	Starting with orders received in July 2024 (estimate)
<b>Ai CARE-C</b> Subscription License	Specifications for All Press Models. Customized Specifications.	Quoted individually.	Starting with orders received in April 2024

※Current users of conventional Ai CARE-T can continue to use it as-is.

Please contact AIDA if you are interested in upgrading to Ai CARE-C.

※As there are regions where this cannot be used as well as other limitations, please consult with AIDA.

※AIDA can also provide training and technical support services at the time of implementation. (Please ask for a quotation.)

※Please note that this information is subject to change without notice.

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