

**meviy, an AI-based parts procurement platform,
Increasingly used in robot development, a growing industry**

~ Helps to improve development speed where time is a critical factor ~

We are pleased to announce that meviy, an AI-based parts procurement platform (offered by MISUMI Group Inc.), is being used in the production of “Archax”, a human-piloted robot manufactured by Tsubame Industries Co., Ltd. (“Tsubame Industries”) Archax is a robot that is attracting a lot of attention both domestically and internationally, offering the world a dreamlike experience from science fiction, in which a person actually rides and controls a giant robot.

Other companies are also accelerating the use of meviy in their robot development. In the race against time, meviy contributes to speeding up the robot development process.

We will continue to provide time value to our customers in the IA (Industrial Automation) industry through improving our services and contribute to enhancing their productivity.

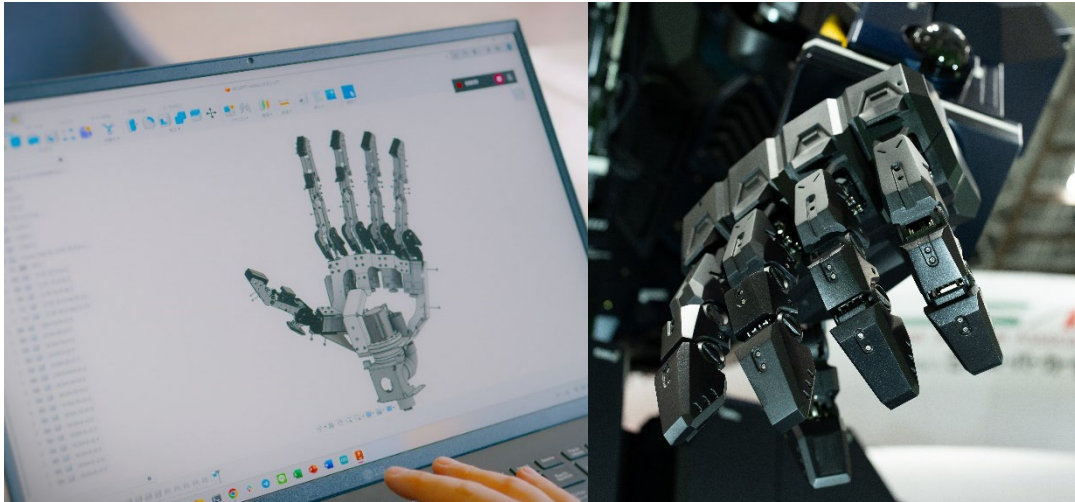


■ **Background on deploying meviy**

In the robot development process, where numerous parts are used and must be tested, the traditional quote/source process of creating paper drawings from 3D data for all the parts takes up an enormous amount of time. This has been a bottleneck in improving the development speed.

Tsubame Industries has been using meviy from the beginning, which allows them to procure parts quickly and efficiently by simply uploading 3D data and eliminating the need to create paper drawings. meviy has dramatically increased the speed of Archax development.

■ Benefits of deploying meviy



1. Quote and order using only 3D data

Traditionally, an enormous amount of time was spent creating paper drawings from 3D data when getting a quote and procuring parts. With meviy, you can simply upload 3D design data and automatically confirm the quote, eliminating the time spent creating paper drawings from 3D data.

2. Instant confirmation of machining availability and price

With meviy, you can instantly check the availability and price of machining. If machining is not possible, AI will suggest how to make it possible, and the system will automatically respond 24 hours a day, 365 days a year. This allows the user to get quotes for different design patterns and pursue the optimal part design. There is no more time spent waiting for quotes, and development lead time is greatly reduced.

3. Advanced machining

The hand part of Archax requires parts that reproduce the complex movements and shapes of a human hand, and meviy can easily provide the precision machine parts needed for this. As a result, design freedom is increased and Archax can be designed to assume a variety of stylish poses. meviy contributes to enhancing the overall appeal of the product.

■ Mr. Ryo Yoshida, CEO, Tsubame Industries Co., Ltd.



“With meviy, we can get an instant quote using only 3D data, but that’s not the only good thing. Another attractive point is that the service evolves by incorporating user feedback. The processing of a 16 mm thick steel plate is another feature added in response to user requests. The hatch that makes up the cockpit of Archax requires thick sheet metal parts, and such parts can now be produced thanks to the evolution of meviy’s service range. Welding services, long desired, also began in November 2023 and we now use them for finger sections and other body parts. We are very grateful to meviy for enabling us to streamline our parts procurement process, allowing us to spend more time developing Archax.”

■ meviy Customer testimonial: Mr. Ryo Yoshida, CEO, Tsubame Industries Co., Ltd.

<https://jp.meviy.misumi-ec.com/info/ja/news/41771/> (in Japanese)

■ About "Archax," a human-piloted robot

Archax is a human-piloted robot developed by Tsubame Industries Co., Ltd. It has four legs, a humanoid upper body, two arms, and a hand with five fingers at the end of it, just like a human. It is 4.5m tall and weighs 3.5 t. It not only has a cockpit in its chest but can also transform into two modes: robot mode and walking mode. Archax, which looks like something out of science fiction, is a mere realization of Tsubame Industries' philosophy of "bringing the world of 'science fiction' to 'scientific reality'".

Archax will be on display at SusHi Tech Tokyo 2024, which will be held for 5 days from Friday, May 17 to Tuesday, May 21, 2024, at the Ariake Arena in Odaiba (Tokyo, Japan).

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■ About meviy

With meviy, customers simply upload a 3D CAD model of a mechanical component, the AI automatically provides an instant quote, and our digital manufacturing system enables an order to be shipped in as little as one day. meviy is a platform that eliminates perceived inefficiencies in parts procurement by reducing the time customers traditionally spend procuring mechanical components by more than 90%.

meviy received the Prime Minister's Prize at the Ninth Monodzukuri Nippon Grand Awards, achieved the No. 1 market share in Japan for three consecutive years, and is highly regarded for its contributions to improving productivity in the manufacturing industry. For our global customers, the range of services on each meviy website is expanding. meviy delivers "time value" to customers worldwide through digital transformation in component procurement.

meviy website <https://meviy.misumi-ec.com/>

Customer testimonials https://jp.meviy.misumi-ec.com/info/ja/archives/category/case/user_case/



■ About MISUMI

MISUMI sells mechanical components required on-site for factory automation, as well as tools, consumables, and other products to more than 310,000 companies (As of March 2024) worldwide. We wear two hats: a manufacturer with manufacturing functions and a distributor of other company's branded products.

With this unique business model, supported by a solid business foundation, MISUMI achieves "globally reliable on-time delivery" for greater customer convenience.

【For inquiries regarding this press release】

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