

**meviy, an AI-based parts procurement platform,  
Launches Sheet Metal Welding Service**

**- Using proprietary technology, AI automatically determines weld locations,  
enabling procurement of welded parts using only 3D data -**

meviy, an AI-based parts procurement platform powered by MISUMI Group Inc. (Headquarters: Chiyoda-ku, Tokyo, Japan; Representative Director and President: Ryusei Ono) will launch a new feature of sheet metal welding, on November 6, 2023.

Among various parts processing, the lead time for welded parts procurement tends to be long. We have focused on this issue and developed a proprietary technology (\*patent pending) to realize this new feature. When 3D CAD data is uploaded, AI automatically determines weld locations, allowing users to obtain quotes easily and instantly by simply setting the type of welding and finish. In terms of delivery time, the new service can ship as early as day sixth, reducing the lead time from design to delivery by up to 70% compared to conventional methods.

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



The advertisement features the meviy logo (an infinity symbol) and the text "meviy" in blue. To the right, it says "Upload your 3D CAD file & Get an INSTANT QUOTE" with a small icon of a 3D model and arrows. Below this, "Sheet Metals WELDING SERVICE" is written in large white and teal letters. At the bottom, "6 day shipping!" is written in yellow and white, followed by "AI automatically determines weld location" in white. Four examples of welded metal parts are shown: a square frame, a gusset plate, a control box, and a rectangular tray.

■ **Background**

Welding is a processing method of joining metals by heating or applying high pressure to the metal joints and melting them. Unlike joining with adhesives or screws, welding is stronger and more airtight, reducing the number of parts in equipment and jigs thereby enabling cost reductions. Because of its many advantages, welding is often used particularly in the design and manufacture of equipment that uses many parts. On the other hand, designing welded parts and providing instructions in drawings requires a high level of skill and expertise. So, in many cases, customers leave the request to the contractor, which

inevitably increases the work required to confirm processing conditions and tends to lengthen the quotation process\*<sup>1</sup>. In addition, welding remains a manual process that requires welding technicians, and the number of suppliers that can handle it is limited, resulting in erratic delivery times during peak periods, making procurement time consuming\*<sup>2</sup>.

Many of our customers have requested that we provide welding in meviy. To respond to these requests, we developed our own system and have now realized an AI-based service that enables customers to obtain quotations and place orders for welded parts using only 3D data.

\*1. More than 50% of customers responded that it takes 2 days to 1 week to get quotes for welded parts. (From a customer survey conducted by the Company)

\*2. More than 30% of customers responded that it takes 2 weeks or more to procure welded parts. (From a customer survey conducted by the Company)

#### ■ About the release of this service

Release Date: November 6, 2023

Service Detail: Sheet Metal Welding

Supported Types: Fabrication and welding of sheet metal parts.

\*Welding of machined parts (or cut parts) is not currently supported.

Supported Materials: Steel, stainless steel, aluminum, various surface treatments

Welding Types: Arc weld or laser weld (Optional setting is available.)

Various welding methods (continuous weld, intermittent weld, spot weld)

Finishing: Weld descaling only, grinder finish

Delivery Time: Ship as early as day sixth

For more information on our sheet metal welding service, please refer to the following.

▼ meviy service website: Information (In Japanese)

<https://jp.meviy.misumi-ec.com/info/ja/archives/40150/>

▼ meviy service website: Technical Information (In Japanese)

[https://jp.meviy.misumi-ec.com/help/ja/technical\\_info/swd/](https://jp.meviy.misumi-ec.com/help/ja/technical_info/swd/)

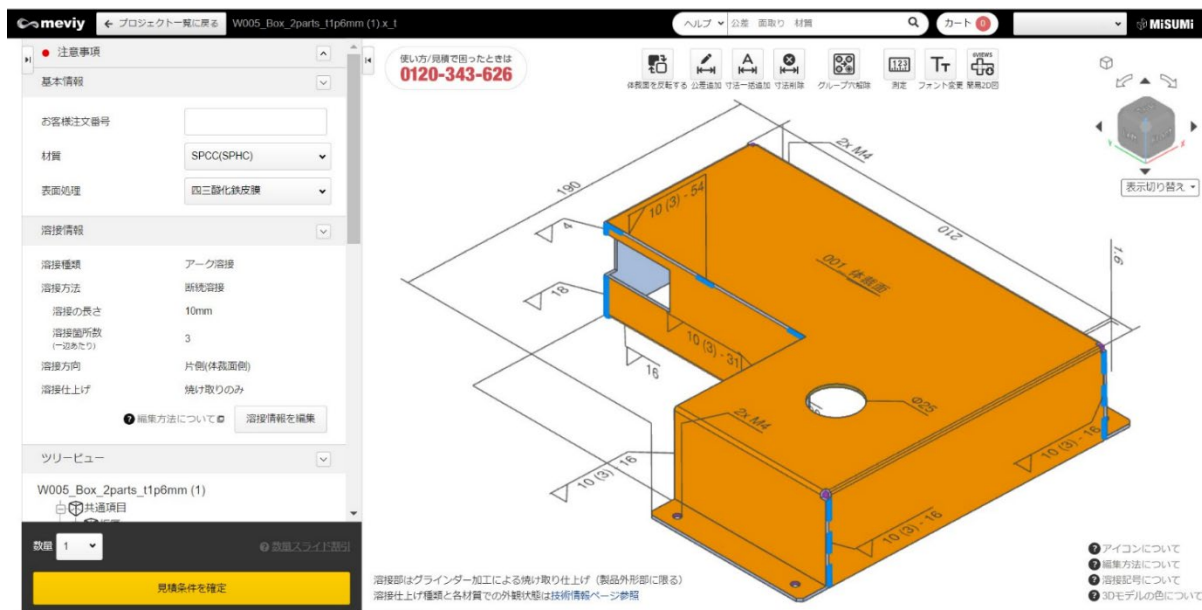
Product Example 1: Switch Box



Product Example 2: Angle Plate



## ▼ Image of the sheet metal welding service (meviy screen)



Automatically recognized weld locations (when intermittent weld is set) are purple dots and blue dotted lines.

### ■ 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 (In Japanese): <https://meviy.misumi-ec.com/>

Customer testimonials (In Japanese):

[https://jp.meviy.misumi-ec.com/info/ja/archives/category/case/user\\_case/](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 320,000 companies\*<sup>3</sup> 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 base, MISUMI achieves "globally reliable on-time delivery" for greater customer convenience.

\*<sup>3</sup> As of March 2023

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