



The Robot Award

Japan Machinery Federation  
President's Award



# “meviy” and the digital revolution for parts procurement in the manufacturing industry

Misumi Group Inc.

## Promoting DX (digital transformation) in the manufacturing industry and achieving labor productivity reform



### ■ Outline of meviy

meviy is an e-commerce service that streamlines the procurement of machined parts in the manufacturing industry. The design data is simply uploaded to meviy (<https://meviy.misumi-ec.com/>), the AI recognizes the shape and immediately estimates the cost, processes the part, and delivers it in the shortest time possible in this innovative manufacturing platform. The platform's target uses are mechanical parts used in production equipment, devices, jigs, and more. It can be used to procure metal mold parts, prototypes, sheet metal parts, cutting parts, and any other customer needs. Since it is a web service, the only necessary equipment is a browser. Membership registration is free, and the service is available 24 hours a day, 365 days a year.

### ■ Two innovative technologies

meviy implements two innovative technologies: AI-powered automatic estimates, and digital manufacturing.

- 1. AI-powered automatic estimates:** Misumi Group's own algorithm analyzes the shape of the design data, plans the manufacturing process, and automatically calculates the cost. Customers can also specify the processing method and accuracy in microns on the browser, and the estimate will immediately be updated when the part information is changed.
- 2. Digital manufacturing:** This system automatically uses the design data to generate the programs necessary to operate the machine tools and automatically manufacture the part. Normally, for custom-made products, a skilled CAM operator must create NC programs to run the equipment from CAD drawings.

### ■ The “time-generating effect” of meviy

#### 1. No need for paper drawings

Just upload the design data, and there's no need to create paper drawings which typically takes about 30 minutes per drawing.

#### 2. No more waiting for an estimate

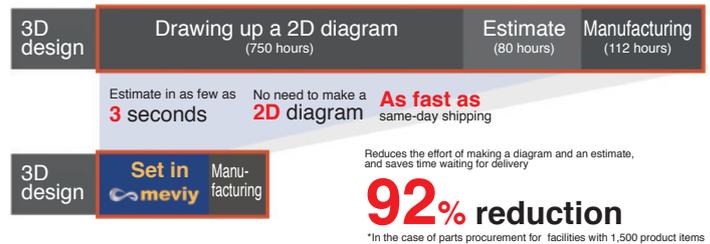
Prices and delivery times are immediately analyzed and estimated by AI after the design data is uploaded.

#### 3. Reliable, quick delivery

Digital manufacturing means the shortest-possible turnaround is same-day shipment.

(Typically, it takes about two weeks for parts to be delivered.)

The above effects not only dramatically streamlined the parts procurement process, which has always been full of inefficiencies, but also enable people to procure parts more cheaply and more quickly than before.



#### The time-generating effect of meviy

The value that meviy provides is time generation. Misumi Group aims to contribute to the realization of a prosperous society where the manufacturing industry is full of creativity, and eventually Society 5.0, which Japan is aiming to achieve, will be made a reality, where systems can be left to complete low value-added work, and humans have more time to do the creative work in which they excel.

Contact:

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