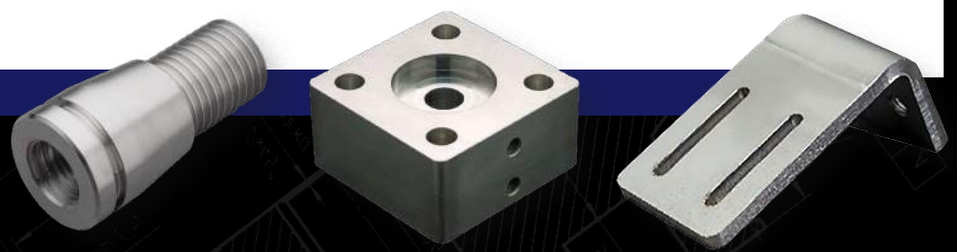
meviy
Powered by MISUMI

# *Concept to Reality*

## AI-Powered, On-Demand Custom Parts



# *Digital Revolution 4.0 for the Manufacturing Industry*

With meviy, customers can check production time in minutes and order sheet metal and machine plate components online. The selectable sheet metal materials and surface coatings increase design freedom. For machine plates, customers can determine parameters exactly as required. Customers can define hole shapes and tolerances according to specific requirements. Through the meviy CNC shop and by individual production, customers can have special components manufactured in the shortest possible lead time and order customized CNC parts online.

**OUR MOST RECENT DATA SHOWS DESIGN AND PROCUREMENT TIME IS REDUCED BY 90%**. Delivery without delay is 99%. End-users report the quality of components is excellent with an average of 93% of customers being highly satisfied with their products. This means increased productivity for engineers and designers using component products and infinite configurations via meviy.



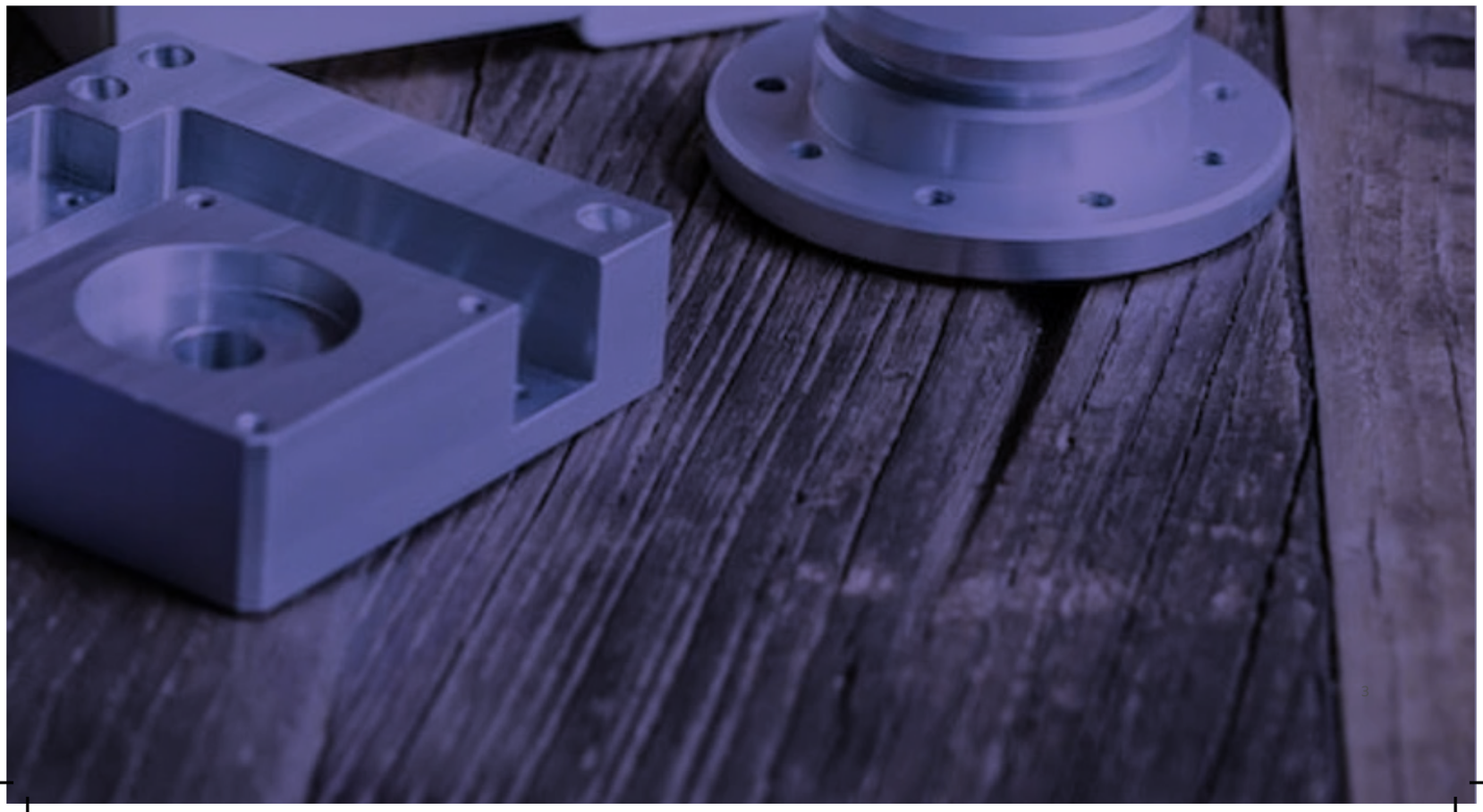


Source: Aerospace Manufacturing and Design 2022

*We are hearing that the time required for a single development cycle now can be used for two or three cycles, leading to improved quality. In many cases, users are reporting that removing the paperwork has reduced overhead and improved productivity.*



Mitsunobu Yoshida
President, ID (Industrial Digital)



# About meviy

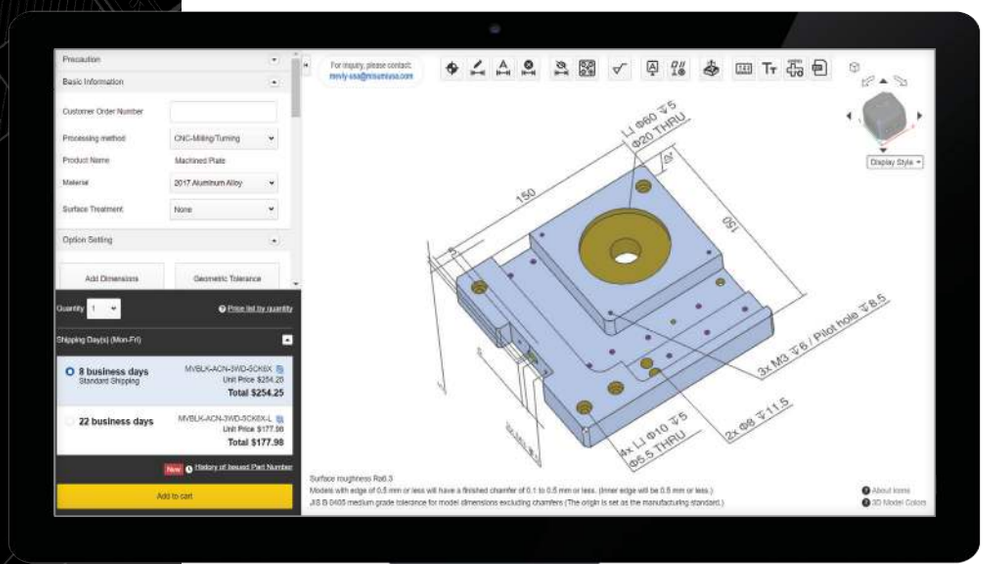
**From concept to reality, meviy enables on-demand sourcing of quality custom mechanical parts.** Simply upload your 3D CAD data to receive instant quotes—no 2D drawings required. Supporting CNC machining and sheet metal fabrication, meviy helps engineers reduce costs, minimize errors, and accelerate production.

**Powered by MISUMI. Designed for efficiency. Built for engineers.**

## *meviy | Powered by* MiSUMi

For decades, **MISUMI** has been a trusted manufacturing partner, providing **high-quality components with precision** and efficiency. By streamlining procurement, MISUMI has helped engineers and manufacturers optimize production.

Building on this legacy, meviy was developed to **revolutionize custom part sourcing**. By leveraging MISUMI's expertise and AI-driven automation, meviy eliminates traditional sourcing challenges, delivering a **faster, smarter, and more efficient solution**.






## *Features*

### Instant Quote

Upload your 3D CAD file for an instant quote and shipping date—plan anytime, anywhere.

### From a Quantity of 1

No minimum order—get the exact quantity you need with no extra cost.

### MISUMI Quality

Premium materials & rigorous quality checks ensure 99.9% defect-free deliveries.

### Skip 2D Drawings

Save time! Upload in 3D, instantly adjust tolerances, dimensions, or modify hole types.

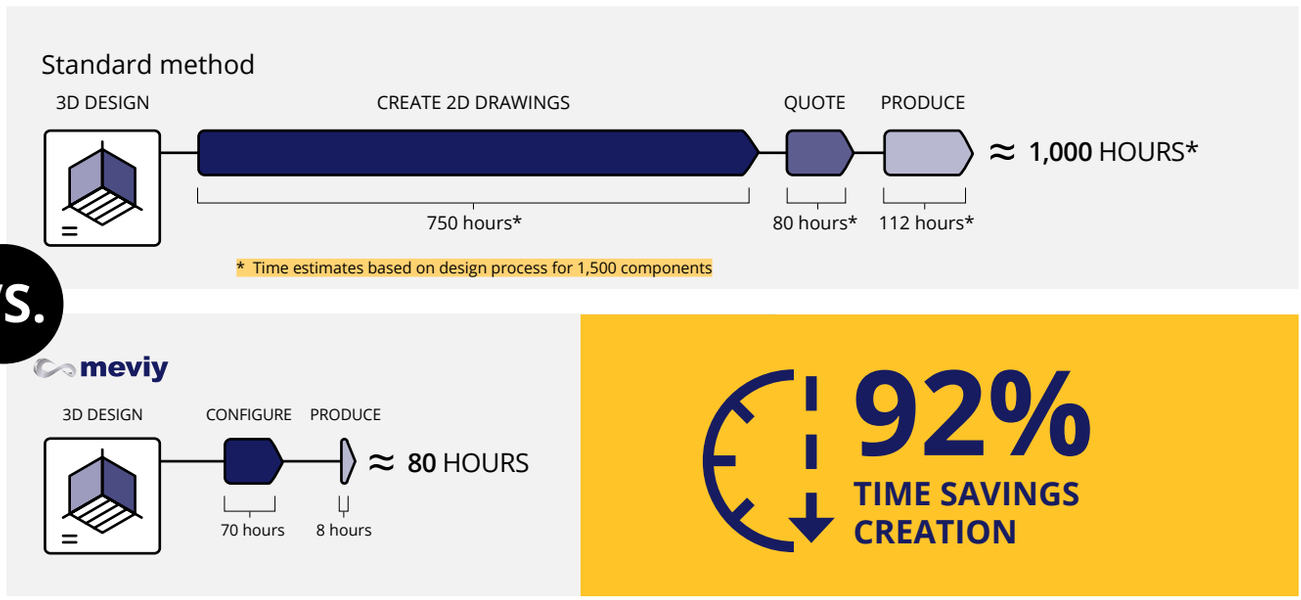
### On-Time Deliveries

Fast, reliable shipping with tightly managed logistics to meet your deadlines.

### One-Stop Shop

Use your MISUMI account to access standard & custom parts all in one place.

## *meviy saves time*



# *meviy is Simple to Use*

By uploading your 3D CAD data, you can get instant price and availability with an automatically generated unique part number. The entire process is simple and fast.

**01.**
**UPLOAD 3D CAD DATA**

Data analyzed by meviy. Production and machining processes automatically determined.

**02.**
**PART NUMBER AND QUOTE GENERATION**

**03.**
**ADD TO CART FOR ORDER PLACEMENT**



**02.**
**SELECT QUOTE CRITERIA**

(Quantity, material, tolerances, surface treatment, and hole type)

**INSTANT QUOTE AFTER CONFIRMATION**

Once confirmed, you'll receive the "Price," "Days to Ship," and "Part Number" instantly, with no need for negotiation. Orders can be placed directly from the meviy interface or through the MISUMI web order system.

# *Register and Start Using meviy in 3 Steps*

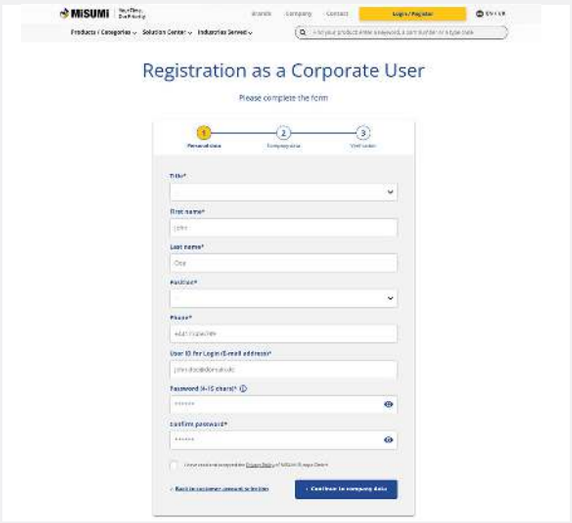
Create a free MISUMI account to access meviy instantly—no extra software needed.

## STEP 1

### Create a MISUMI user account

**First, create a MISUMI account**—required for meviy and access to MISUMI's standard parts shop.

**Register Now:**

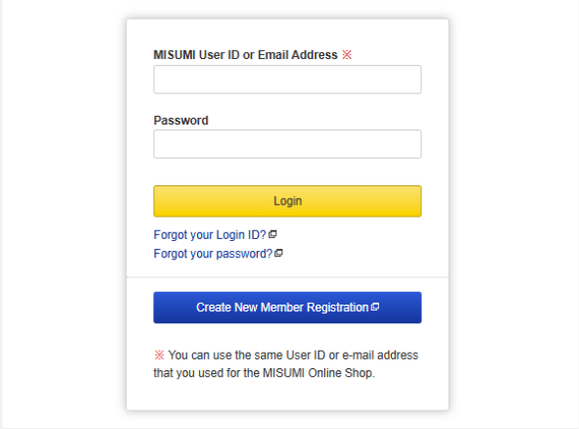



## STEP 2

### Log in to meviy

After registering with MISUMI, use these credentials to log in to the meviy login page.

**Log in here:**

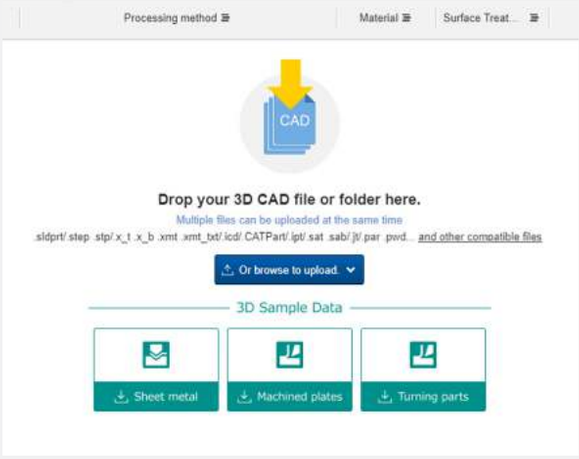



## STEP 3

### Upload your CAD 3D files

After you have logged in, you can start uploading your 3D CAD files. You can also use a sample part to test it.

**Get a sample part:**

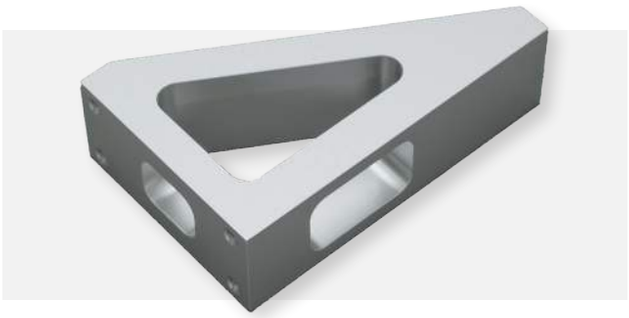


# CNC Milling

**3-Axis machining of rectangular components.**

## *Production examples*

### MACHINED PARTS FROM RECTANGULAR MATERIAL



### Supports Machining of Complex Shapes

| | |
|---|---|
| Material surface | 5052 aluminum alloy/no treatment |
| Size | W100 × D65 × H30 mm |
| Shipping days | Ships in 8 days (as early as 6 days) |
| Reference price | $115.32 |



### Supports 18 Types Of Resin

| |
|---|
| MC nylon (standard, blue) |
| W50 × D50 × H15 mm |
| Ships in 8 days (as early as 6 days) |
| $106.34 |



### Specify Tolerances

On small-diameter holes (even on anodizing)

| |
|---|
| 5052 aluminum alloy/black anodize |
| W150 × D130 × H20 mm |
| Ships in 10 days (as early as 7 days) |
| $248.98 |



### Annealed material

Reduces distortion in heavy material-removal parts

| |
|---|
| 1018 carbon steel (annealed)/ no treatment |
| W36 × D78 × H15 mm |
| Ships in 11 days (as early as 9 days) |
| $513.76 |



### Specify Geometric Tolerances

Flatness, perpendicularity, parallelism

| |
|---|
| 304 stainless steel/no treatment |
| W80 x D80 x H40 mm |
| Perpendicularity 0.05/100 |
| Ships in 8 days (as early as 6 days) |
| $368.40 |



### Heat Treatment: Steel Vacuum & Immersion Quenching

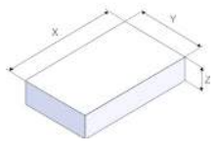
(Large sizes: Sheet metal supports sizes up to 1500 mm in length)

| | |
|---|---|
| Material surface | D2 tool steel: vacuum quenching (HRC 58 to 63) |
| Size | W41.5 x D10 x H9.9 mm |
| Shipping days | Ships in 12 days (as early as 9 days) |
| Reference price | $286.58 |

# *Specifications*

## CNC MILLING

Using a 3-axis machining center, machining from six directions perpendicular/parallel to the surfaces of rectangular material is possible.




**Size**
X: 5 ~ 1000
Y: 5 ~ 600
Z: 3 ~ 70mm*1

*1 Upper and lower size limits may vary.

## Material And Surface Treatments

| Material | | Surface treatment |
|---|---|---|
| Steel | 1018 equiv. (polished, annealed, or standard) | • Black oxide<br>• Electroless nickel<br>• Hard chrome plating (flash plating)<br>• Trivalent chromate (clear, black)<br>• Low temperature black chrome<br>• Phosphate coating<br>• No treatment<br>• Nitriding |
| | 1045 equiv. (polished) | |
| | 1049 equiv. (tempered or standard) | |
| | 4140 Alloy Steel | |
| | D2 Tool Steel | |
| Pre-hardened steel | NAK55 or equiv. | No treatment |
| Aluminum | 2017 Aluminum Alloy | • Anodize (clear, black, matte black, red, gold)<br>• Hard anodize (clear)<br>• No treatment<br>• Electroless nickel |
| | 5052 Aluminum Alloy | |
| | 6061 Aluminum Alloy | |
| | 6063 Aluminum Alloy (polished) | |
| | 7075 Aluminum Alloy | |
| | 5083 Aluminum Alloy | |
| Stainless Steel | 303 Stainless Steel (annealed or standard) | No treatment |
| | 304 Stainless Steel (annealed, polished, or standard) | |
| | 316 Stainless Steel | |
| | 430 Stainless Steel | |
| Resin | Acetal (standard, white) | No treatment |
| | Acetal (standard, black) | |
| | MC nylon (standard, blue) | |
| | MC nylon (standard, ivory) | |
| | MC nylon (weather resistant, black ash) | |
| | MC nylon (conductivity, black) | |
| | Bakelite (paper, nat. color) | |
| | Bakelite (paper, black) | |
| | Bakelite (cloth, nat. color) | |
| | PTFE (standard, white) | |
| | UHMWPE (standard, white) | |
| | UHMWPE (conductivity, black) | |
| | ABS (standard, nat. color) | |
| | PEEK (standard, gray-brown) | |
| | PP (standard, white) | |
| | PPS (standard, nat. color) | |
| | PET (glass filled, brown) | |
| | MC Nylon (anti-static, black) | |

## Delivery Options

| Shipping option | Days | Features |
|---|---|---|
| Expedite+ | 5 days~ | Our fastest option |
| Expedite | 6 days~ | Peace of mind for urgent needs |
| Standard | 8 days~ | Best combination of lead time and competitive price |
| Economy | 22 days~ | Lowest price, no rush |

## Accuracy Standards

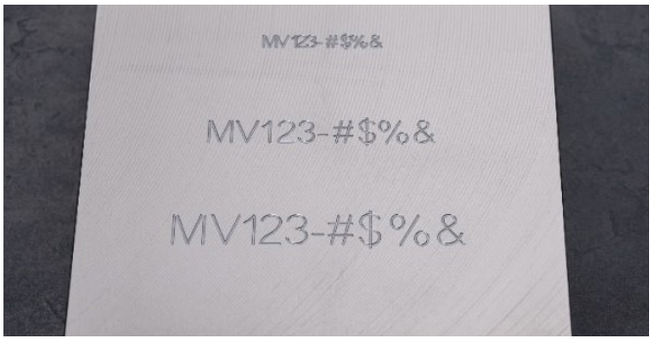
| | |
|---|---|
| Default general tolerance standards | JIS B 0405 (m) [1] |
| Blank surface tolerances/dimensional tolerances | Metal: ±0.01 mm or more<br>Resin: ±0.01 mm or more |
| Precision hole and slot tolerances | Grade IT7 or above |
| Geometric tolerances | Flatness/perpendicularity/parallelism (limit: 0.02/100mm) |
| Surface roughness | Specifiable up to Ra0.4 (standard surface roughness of Ra6.3) |

* The unit is mm when it is not stated.
*1 Length dimensions exclude chamfers.

## Engraving Service

| | |
|---|---|
| Engraving type | Alphanumeric characters and symbols, font size: 3~30 |
| Applicable materials | Steel, pre-hardened steel, Aluminum, Stainless Steel |
| Applicable range | Blank flat surfaces of 6 viewing directions, some pocket surfaces |
| Machining method | Laser engraving, cutting engraving |
| Shipping | Ships in 6 days |



# CNC Turning

**Lathe machining for turning, grooving, and threading; wire cutting for secondary operations.**

## *Production Examples*

### MACHINED PARTS FROM CYLINDRICAL MATERIAL



**Multi-Step Rotational Shaft**

| |
|---|
| 1045 Carbon steel/hard chrome plating |
| Φ32 × L155.2mm |
| Ships in 10 days |
| $72.81 |



**Adapter**

| |
|---|
| PC (standard, black) |
| Φ50 × L100mm |
| Ships in 8 days |
| $89.31 |



**Shaft Sleeve**

| |
|---|
| 303 Stainless Steel/no treatment |
| Φ25 × L38.5mm |
| Ships in 10 days |
| $304.27 |



**High Precision Circular Plate**

| |
|---|
| 4140 Alloy steel/electroless nickel plating |
| Φ128 × 14mm |
| Ships in 14 days |
| $184.78 |



**Hex Bar and Hex Hole**

| |
|---|
| 1045 Carbon Steel/Black Oxide/Immersion Quenching |
| Φ28 × 31mm |
| Ships in 13 days |
| $141.79 |



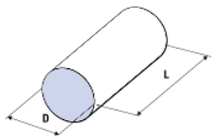
**Outer R Profile**

| |
|---|
| 6061 Aluminum |
| Φ30 × 24mm |
| Ships in 10 days |
| $59.99 |

# *Specifications*

## TURNED PARTS

Lathe machining for internal and external diameter turning, grooving, and threading.




**Size**
D: 3-300mm *1
L: 1-1500mm *1

*1 — Upper and lower limit dimensions are restricted by material and shape.

## Materials And Surface Treatments

| Material | | Surface treatment |
|---|---|---|
| Steel | 1045 Carbon Steel* | • No treatment<br>• Electroless nickel plating<br>• Black oxide<br>• Hard chrome plating<br>• Trivalent Chromate (clear)<br>• Trivalent Chromate (black)<br>• Salt-bath nitrocarburizing<br>• Low temperature black chrome<br>• Phosphate coating |
| | 1018 Carbon Steel | |
| | 4135 Alloy Steel* | |
| | 4140 Alloy Steel* | |
| | O1 Tool Steel* | |
| | D2 Tool Steel* | |
| | H13 Tool Steel* | |
| | 52100 Alloy Steel* | |
| Aluminum | 2017 Aluminum Alloy [T4] | • No treatment<br>• Anodized (clear, black, matte black)<br>• Hard anodized (clear) |
| | 5056 Aluminum Alloy [H34, H112] | |
| | 6061 Aluminum Alloy [T6] | |
| | 7075 Aluminum Alloy [T6511] | |
| Stainless Steel | 303 Stainless Steel | No treatment |
| | 304 Stainless Steel | |
| | 316 Stainless Steel | |
| | 440C Stainless Steel* | |
| Brass | C3604-LCd | No treatment |
| Resin | Acetal | • Standard, white<br>• Standard, black |
| | MC Nylon | • Standard, blue<br>• Weather resistant, black ash<br>• Conductive, black<br>• Anti-static, black |
| | ABS | • Standard, black<br>• Standard, natural |
| | PC | • Standard, transparent<br>• Standard, black |
| | PP | Standard, natural |
| | PTFE | Standard, white |
| | PEEK | Standard, gray-brown |
| | PPS | Standard, natural |
| | Acrylic | Standard, transparent |
| | UHMWPE | Standard, white |
| | PVC | Standard, gray |

* Hardening can be specified for this material.

## Delivery Options

| Shipping option | Days to ship | Features |
|---|---|---|
| Standard | 8 days~ | Best lead time/competitive price |
| Economy | 22 days~ | Lowest price, same quality |

## Accuracy standards

| | |
|---|---|
| External tolerance | ±0.02 or more |
| Dimensional tolerance *2 | Metal: ±0.02 or more<br>Resin: ±0.05 or more |
| Precision holes, shaft tolerances | Metal: IT6 or higher<br>Resin: IT7 or higher |
| Geometric tolerance | All 9 types 0.01~ |
| Surface roughness *3 | Ra1.6 available (standard: Ra6.3 or Ra3.2) |

* The unit is mm when it is not stated.
*1 Length dimensions exclude chamfers.
*2 Dimensional tolerance for unspecified length excluding chamfering: JIS B0405 intermediate (m).
*3 Varies by part/shape/size.

## Geometric Tolerances

| Type | Symbol | Plane | Cylindrical surface | Required | Accuracy |
|---|---|---|---|---|---|
| Flatness | ⏥ | ○ | — | — | 0.01~*4 |
| Parallelism | // | ○ | — | ○ | |
| Perpendicularity | ⊥ | ○ | ○ | ○ | |
| Circularity | ○ | — | ○ | — | |
| Concentricity | ◎ | — | ○ | ○ | |
| Straightness | — | — | ○ | — | |
| Cylindricity | ⌭ | — | ○ | — | |
| Circular runout | ↗ | — | ○ | ○ | |
| Total runout | ⌰ | — | ○ | ○ | |

*4 Varies by part/shape/size.

## Tap and Thread

| Units | Type | Available sizes | Direction |
|---|---|---|---|
| Metric | Tap | M2-M20 | R/L |
| Metric | Turn | Up to M50 | R/L |
| Inch | Tap | #2-5/8" | R |
| Inch | Turn | Up to 1" | R |

## Hardening Method

| Method | Type | Hardness range |
|---|---|---|
| Immersion quenching | Full part | 30-63 HRC |
| Vacuum quenching | Full part | 30-63 HRC |
| Induction hardening | Selective area | 52-63 HRC |

# Sheet Metal

**Sheet metal processing (punching, bending, surface treatment) and processing for clear resin.**

## *Production Examples*



### Control Panel Box

Bent part with no welds

| | |
|---|---|
| Material/surface treatment | 304 Stainless Steel (2B)/No treatment |
| Size | L23.6” × W7.87" × H4” × 20 ga. |
| Shipping days | 5 days |
| Reference price | $198.22 |



### Painted Cover

(26 colors available)

| |
|---|
| Low Carbon Steel (cold/hot rolled) |
| L120 × W100 × H25 × 1.6mm thick |
| 7 days |
| $49.81 |



### Inch Thickness Plate

(Available: 26 gauge-3/8")

| |
|---|
| 5052 Aluminum Alloy/Clear Anodize |
| L4.75” x W4” x 0.100” thick |
| 11 days |
| $69.06 |



### Thick Plate Bending

(Up to 16mm thick)

| |
|---|
| Low Carbon Steel (cold/hot rolled)/No treatment |
| L100 × W100 × H89 × 16.0mm thick |
| 5 days |
| $30.80 |



### Thin Plates And Shims

(Thickness from 0.05mm)

| |
|---|
| 304 Stainless Steel (shim)/No treatment |
| L270 × W270 × 0.05mm thick |
| 5 days |
| $94.70 |



### Clear Resin

(Tapped holes and countersunk holes available)

| |
|---|
| PET (standard, transparent) |
| L200 × W120 × H89 × 5mm thick |
| 5 days |
| $69.67 |



### Large Size Expansion

| |
|---|
| Low carbon steel (cold) |
| W1300 × D700 × H150 mm (14-inch gauge steel) |
| 4 days |
| $555.70 |

# *Specifications*

## SHEET METAL

### Materials And Surface Treatments

| Material | | Surface treatment |
|---|---|---|
| Ferrous metals | Low carbon steel (cold/hot rolled) | • Powder coat<br>• Wet paint<br>• Electroless nickel plating<br>• Black oxide<br>• Trivalent chromate (clear, black)<br>• Pre-treated material |
| | 1018 Carbon steel | |
| | Low carbon steel (cold rolled/electrolytic galvanized) | |
| | Low carbon steel (cold rolled/hot dip galvanized) | |
| Stainless Steel | 304 Stainless Steel (2B) | - |
| | 304 Stainless Steel (no.1) | |
| | 304 Stainless Steel (single-sided #400-grit polished) | |
| | 304 Stainless Steel (single-sided #4 brushed) | |
| | 304 Stainless Steel (single-sided hairline finish) | |
| | 430 Stainless Steel (2B) | |
| Aluminum alloys | 5052 Alloy | Anodized (clear, black, black matte) |
| | 6061 Alloy | |
| | 5052 Alloy | Pre-finish (clear anodize) |
| | 5052 Alloy | Pre-finish (black anodize) |
| Perforated metal | Perforated metal — 60 staggered round hole type — 304 Stainless Steel-BA, bright annealed | - |
| Clear resin | PET | - |
| | Acrylic | |
| | Polycarbonate | |
| | PVC | |
| Composite material | Aluminum composite | Paint |

### Plate Thickness, Size

| Material | Unit | Thickness (min~max) | Size (min~max) | |
|---|---|---|---|---|
| Metal | Metric | 0.05mm-16.0mm | 5.0mm-1,200mm (t ≤ 2mm) | 10.0mm-1,200mm (2mm ≤ t) |
| | Inch | 26 gauge-1/2in. | 5mm-1,500mm | |
| Resin | Metric | 3.0mm, 5.0mm, 8.0mm, 10.0mm | Width: 10.0mm-1,000mm<br>Length: 10.0mm-2,000mm | |

*1 Length dimensions exclude chamfers.

### Standard Dimensional Tolerances

Standard tolerancing will be JIS B 0408 for metal stamped products: Grade B (plate thickness ≤ 6.0mm), Grade C (plate thickness > 6.0mm). Parts with R bending will be Grade C regardless of thickness.

* Standard tolerancing applies before surface treatment/painting.
If an automatic quotation is not available for your part, you can request a manual quotation from meviy support.

### Delivery Selection Service

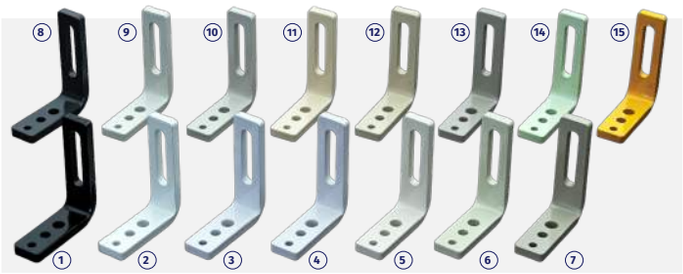
| Shipping option | Days | Features |
|---|---|---|
| Expedite | 3 days | Our fastest lead times |
| Standard | 5 days | Competitive price and lead time |
| Economy | 22 days | Lowest price, no rush |

### Powder Coat Colors

#### Inch Thickness Sheet Metal

| | | | |
|---|---|---|---|
| Trailer Black | Silver Grey | Oyster White | Light Ivory |
| Anthracite Grey | Signal White | Pastel Green | Traffic Red |
| Tele Grey | Sulfur Yellow | Cream | |

#### Metric Thickness Sheet Metal




| | | |
|---|---|---|
| 1. Black | 2. White | 3. Off-White (full gloss) |
| 4. Off-white (high gloss) | 5. Light Cream | 6. Toyota Cream |
| 7. Creamy Grey | 8. Dark Grey | 9. Off-pale Grey |
| 10. Light Grey | 11. Old Lace | 12. Cream |
| 13. Grey | 14. Light Green | 15. Yellow |

### Wet Paint

#### Metric Thickness Sheet Metal



| | | |
|---|---|---|
| 1. Pastel Blue | 2. Deep Orange | 3. Green Beige |
| 4. Flame Red | 5. Pebble Grey | |

### Edge Breaking

| Standard value | Example |
|---|---|
| Burrs resulting from punching sheet metal are finished to an equivalent 0.1mm radius as shown in the figure to the right.<br>For standard conditions, burrs are guaranteed to be 0.1mm or less. |  |

### Engraving

| | | |
|---|---|---|
|  | Character size | Half-width alphanumeric characters and some symbols, font size: 3~30mm |
| | Scope of engraving | Only the appearance side is supported |
| | Method | Laser |
| | Days to ship | 5 days~ |

# CAD File Formats

## THE PLATFORM SUPPORTS A WIDE RANGE OF 3D CAD FORMATS FOR UPLOADING.

| Format | Extension |
|---|---|
| Autodesk Inventor 2024 or earlier version | .ipt |
| CATIA V5-6R2023 or earlier version | .CATPart |
| Creo – Pro/E<br>Pro/E 19.0-Creo 10.0 | .prt/.neu/.xpr |
| NX – Unigraphics<br>UG11 to UG18, UG NX, NX5 to NX12,<br>NX1847 to NX2306 | .prt |
| SolidEdge V19-20/ST10 or earlier version/2024 | .par/.pwd |
| SOLIDWORKS 2024 or earlier version | .sldprt |
| I-deas | .arc/.unv |
| iCAD SX V8L3 or earlier version | .icd |

### Neutral formats

| Format | Extension |
|---|---|
| STEP (AP203, AP214) | .step/.stp |
| Parasolid 35.0 or earlier version | .x_t/.x_b/.xmt/.xmt_txt |
| ACIS | .sat/.sab |
| JT 10.9 or earlier version | .jt |
| PRC | .prc |

**Note:**

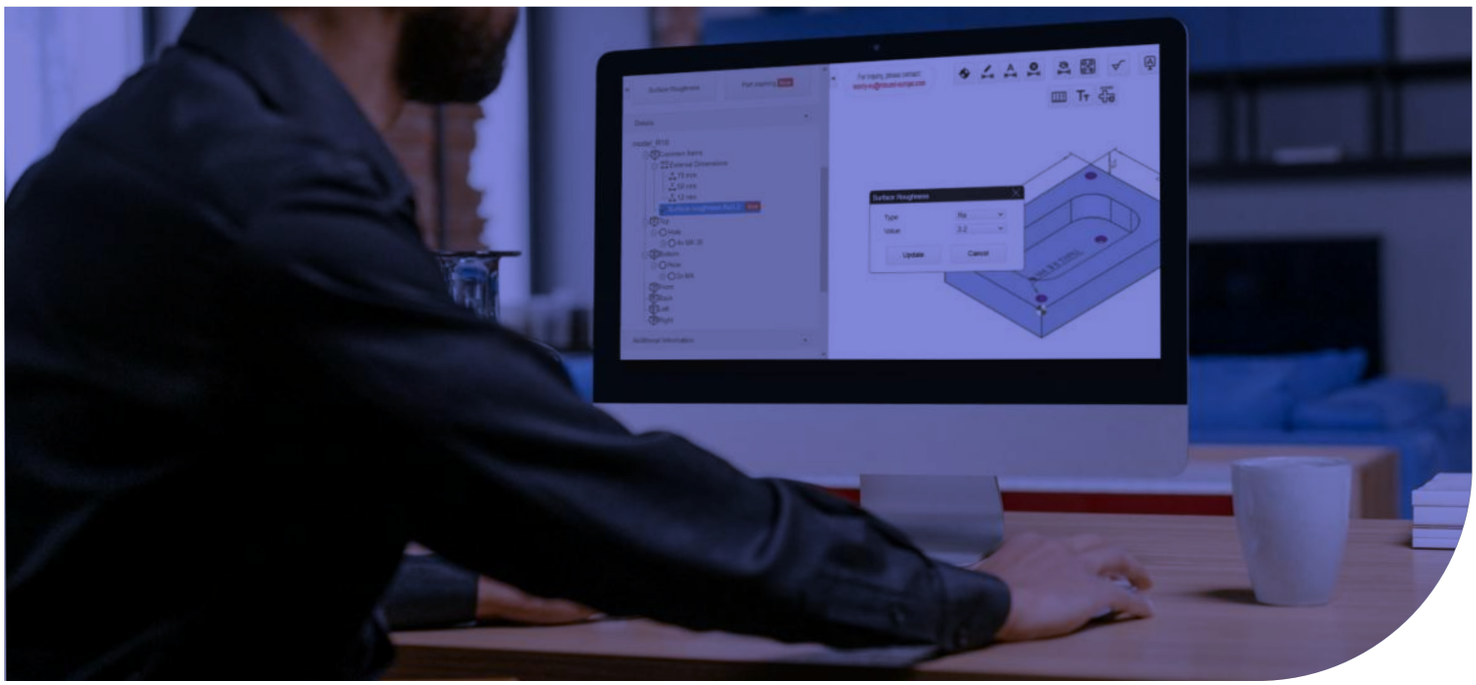
- Information and geometry hidden in the model file is not loaded into meviy and is not included in the quotation.
- The maximum file size that can be uploaded to meviy at one time is **10MB**

**System Requirements:**

- **OS:** Windows 10, Windows 11
- **RAM:** 8GB or more recommended
- **Display:** 1,920 × 1,080 or higher recommended (Recommended magnification for display and browser is 100%)
- **Browser:** Google Chrome/Microsoft Edge

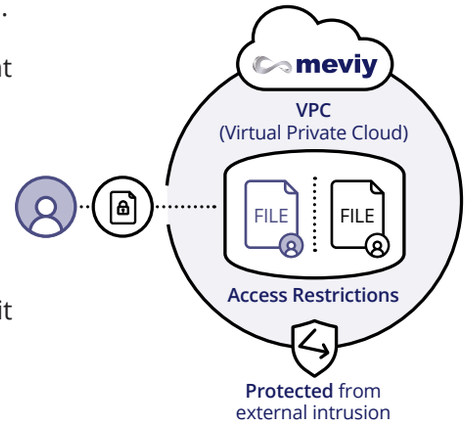
**Assembly Upload:**

- **Multi-body detection** — Upload one CAD part file; meviy splits up to 100 solid bodies into separate projects.
- **Project organization** — Split projects are grouped in the Project Screen.



# *Your Data is Well Protected*

1. We use SSL encryption for communication, similar to credit card encryption.
2. Our system encrypts component data, making it indecipherable even in the event of unauthorized access.
3. Our platform is designed to prevent users from accessing other users' data without explicit release permissions.
4. We regularly conduct security assessments by external organizations to ensure resilience, updates, and resistance to the latest cyberattacks.




# *Our Commitment to the Highest Standards*

We take quality seriously and do not treat it as an empty promise like some of our competitors. Since 2008, we have proudly maintained continuous certifications for our management systems demonstrating our high standards:




- ISO 9001 (quality)
- ISO 14001 (environment)

We make quality an integral part of our corporate culture and business practices.



meviy

meviy.com

**North America**

**For General Inquiries:**
meviy-usa@misumiusa.com
800.681.7475

**For Technical Inquiries:**
meviy_success@misumiusa.com

**Join the meviy community!**

Copyright © MISUMI Corporation All Rights Reserved.