

meviy new releases



Overview: New Releases of meviy



CNC Milling

- ✓ [Express and Rapid Shipping Options](#)
- ✓ [Red and Gold Anodised](#)
- ✓ [New Metal Materials & Surface Treatment](#)
- ✓ [Surface Roughness Ra3.2/Rz12.5](#)
- ✓ [New Plastic Materials](#)
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- ✓ [Automatic Quotation on Curved Surfaces](#)
- ✓ [Automatic Quotation for Small Diameter Holes](#)



CNC Turning

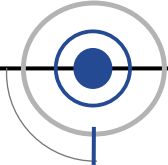
- ✓ [Geometric Dimensioning & Tolerancing](#)
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Sheet Metal

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- ✓ [Long-Time Delivery Option](#)
- ✓ [Tap and Countersunk Visibility](#)
- ✓ [Aluminium Composite Plate Option](#)

Overview: New Releases of meviy



System

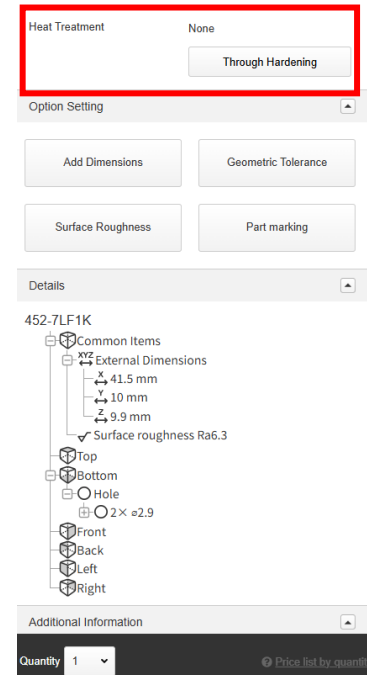
- ✓ [Engraving for Part Number](#)
- ✓ [Part Number History Function](#)
- ✓ [New Supported CAD File Format](#)
- ✓ [Download 2D PDF Drawing](#)

■ CNC Milling

CNC Milling: Instant automatic quotes for hardening treatment Added

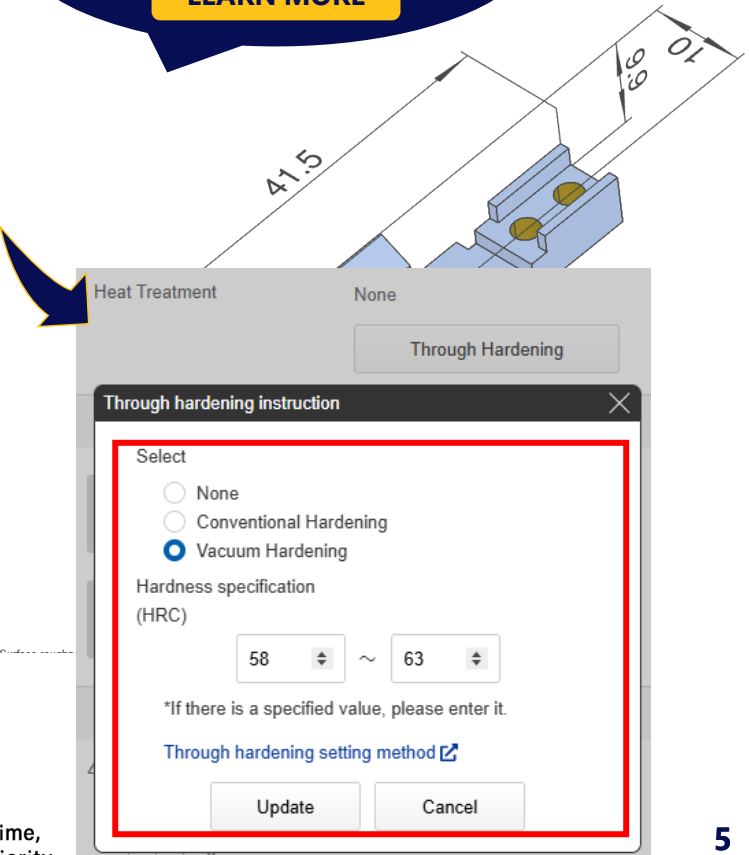
Typically, the process from quotation to delivery for hardening treatment is time-consuming. However, now you can get **instant automatic quotations** on meviy! Ship as fast as **14 days!**

Material	Surface Treatment	Auto-quote range
EN 1.2379 equiv.	Electroless Nickel Black Oxide	HRC50~63
EN 1.7220 equiv.		HRC30~55
EN 1.1206 equiv.		HRC30~50



Find out more about hardening treatment with meviy!

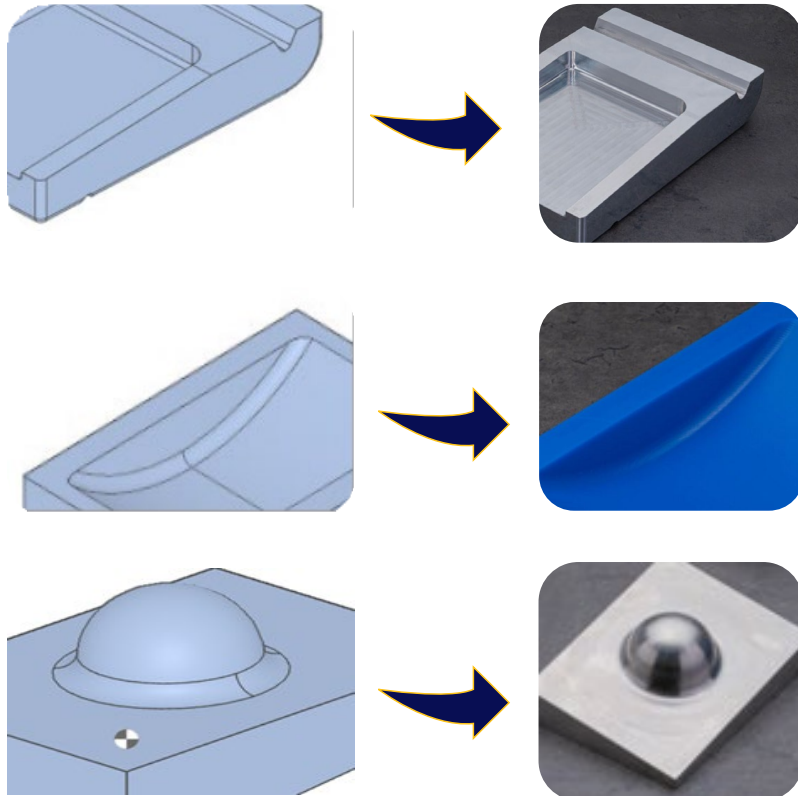
LEARN MORE



CNC Milling: Automatic Quotations On Complex Curved Surface Shapes, Inclined Planes and Bottom Radius Shapes

You can get **automatic quotations on complex curved surface shapes, inclined planes and bottom radius shapes** on meviy! Previously, those shapes were difficult to estimate. However, As a result, engineers can now enjoy enhanced flexibility in their designs, improving user convenience and streamlining the manufacturing process. Please note that this process will take **approx. 12 minutes per part**.

Shape Examples



Note

1 The quotation process begins automatically after upload. (yellow frame below).

2 After selecting the processing method and clicking on the part, the following message will appear. You may safely navigate away from this screen — the quotation will continue to be processed in the background.

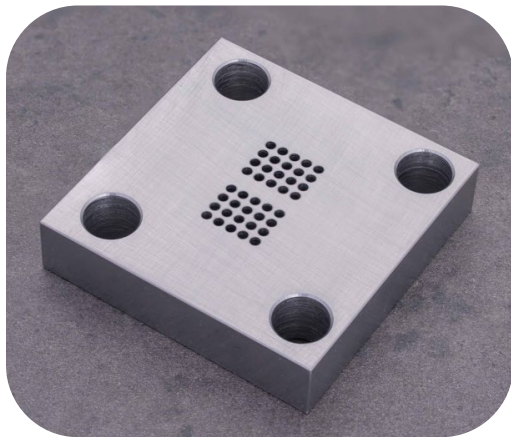
3 To verify that the calculation is complete, open the part in the 3D viewer again. Once completed, the corresponding notification will appear. You can then click "Confirm Quotation Conditions" to view the price and delivery date.

3 Automatic quotation was successful. Please set all quotation conditions and click "Confirm the quotation conditions".

CNC Milling: Automated Quotation for Small Diameter Holes

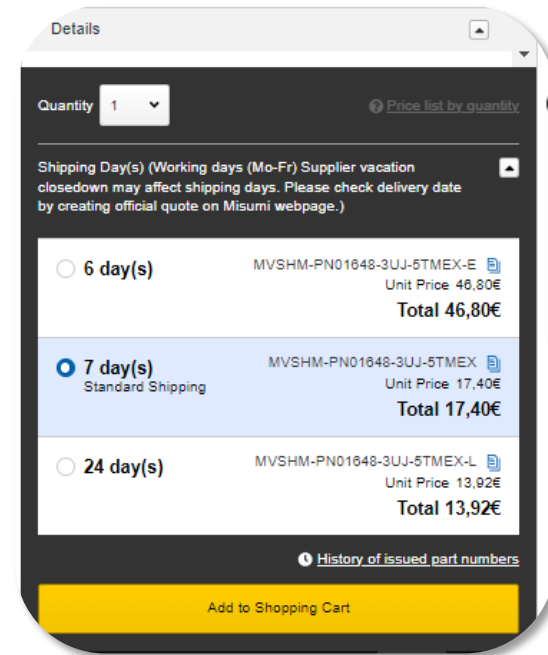
Automatic quotations for diameter holes with a range of less than $\varnothing 2$ were not previously possible. Thanks to our new update, you can now also receive **automatic quotations** for small **diameter holes** with a **range of $\varnothing 1 \sim \varnothing 2$!**

Example:



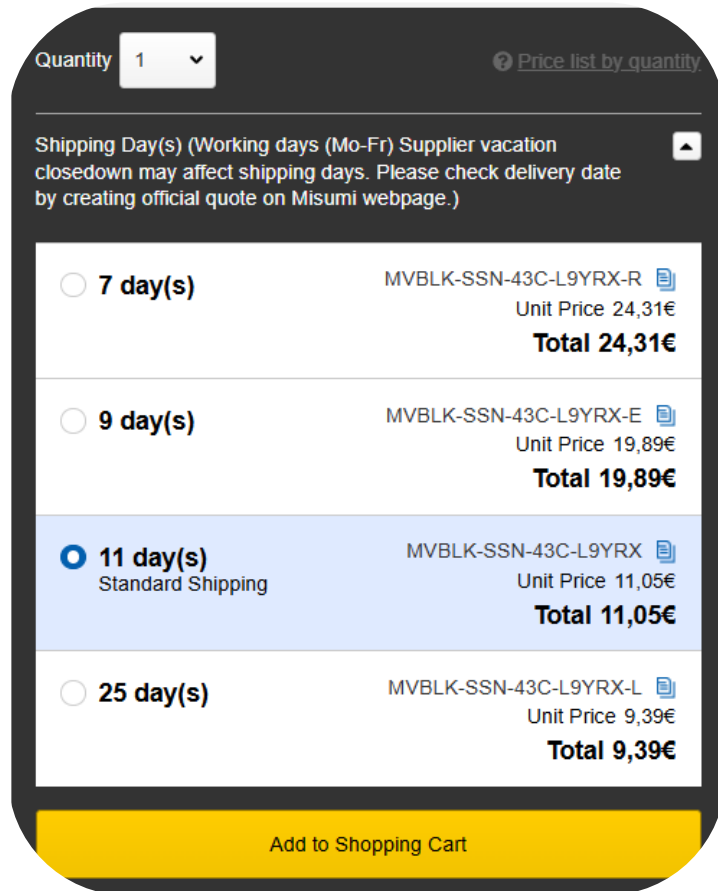
part with a $\varnothing 1,5$ diameter hole manufactured by meviy

Automated Quotation Available



CNC Milling: Express and Rapid Shipping Option

With Rapid Shipment, you can receive your parts as fast as **7 days**, while Express Shipment offers delivery in as fast as **9 days**. Designed to reduce lead times and accommodate urgent design changes, these options ensure faster delivery for your CNC Milling parts.



Shipping Option	Material	Surface Treatment
Rapid Shipping	EN 1.0038 equiv. EN 1.1206 equiv. EN AW 2017 equiv. EN AW 5052 equiv. EN AW 7075 equiv.	Black Oxide Electroless Nickel Plating
Express Shipping	Steel Stainless Steel Aluminium Plastic	Black Oxide Electroless Nickel Plating Hard Chrome Plating Trivalent Chromate (Clear) Anodise (Clear, Black) Anodise Black (matt)

Find out more about meviy's new shipping options and other exciting topics in our blog!

[LEARN MORE](#)

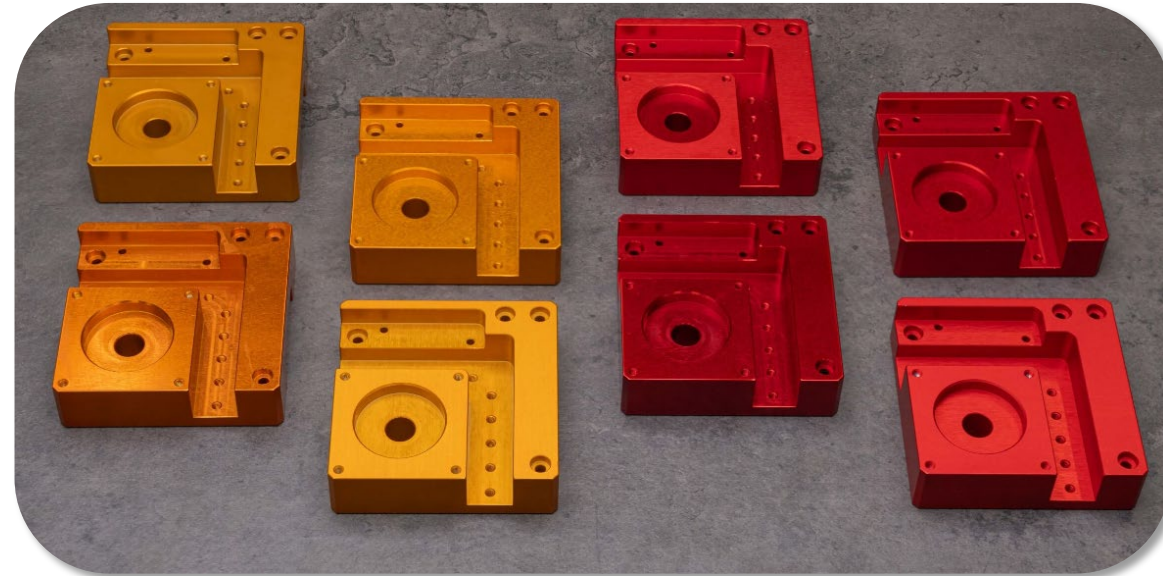
CNC Milling: Automatic Quotation for Red and Gold Anodising Available

Red anodizing has primarily been used for **hazardous areas** within equipment or areas that need to be **highlighted** in industries like electronics, automotive, and consumer goods.

Gold anodizing has been widely used by many customers for applications requiring **aesthetic appeal**.

Find out more about this new release and many other exciting topics on our blog!

[LEARN MORE](#)



Red and Gold Anodised Milled Parts Manufactured by meviy

CNC Milling: New Material and Surface Treatment Options Available

We've introduced **new material** and **surface treatment** options for **milled parts**! These additions provide greater flexibility and enhanced durability, ensuring your parts meet both functional and aesthetic requirements. Explore the new options and take your projects to the next level!

Material

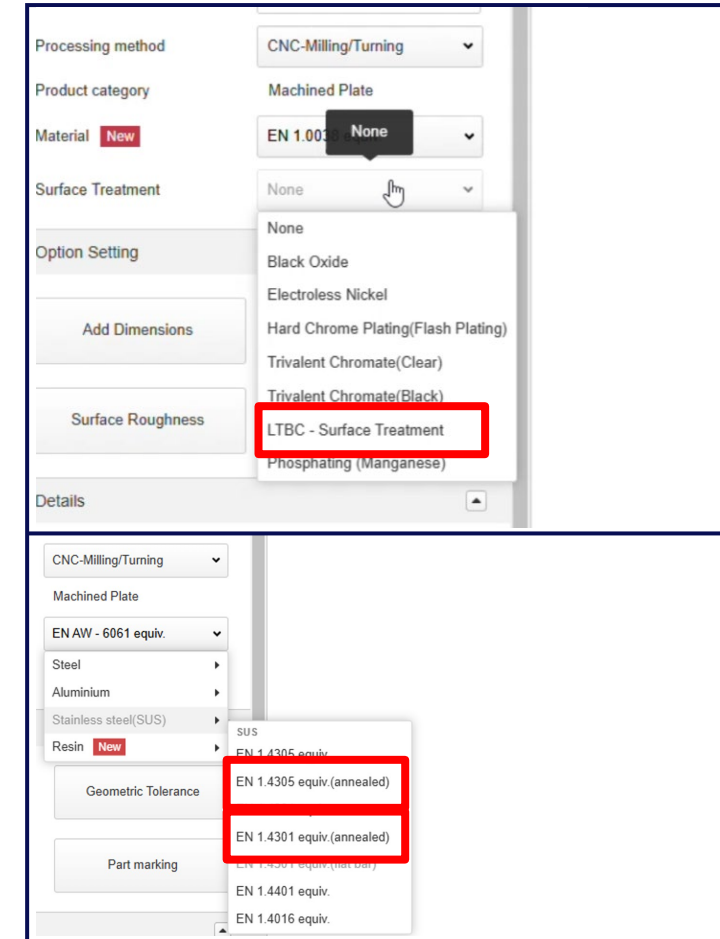
EN 1.4305 equiv. (annealed material)
EN 1.4301 equiv. (annealed material)
EN 1.7220 equiv. (26 to 32 HRC)

Surface Treatment

Hard Anodise (Clear)
LTBC- Surface Treatment
Phosphating (Manganese)

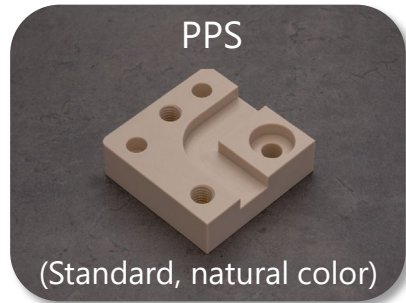
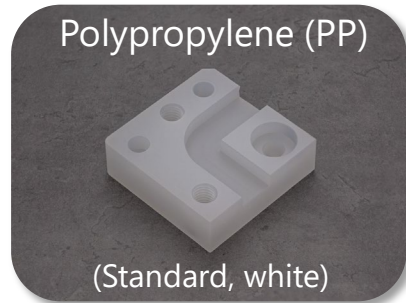
Discover a detailed overview of all available materials and surface treatments for milled parts.

[LEARN MORE](#)



CNC Milling: New Plastic Materials Available

We expanded our offerings with four brand-new plastic materials for milled parts. Now, you have even more options to bring your projects to life with the perfect material choice!



Specifications:

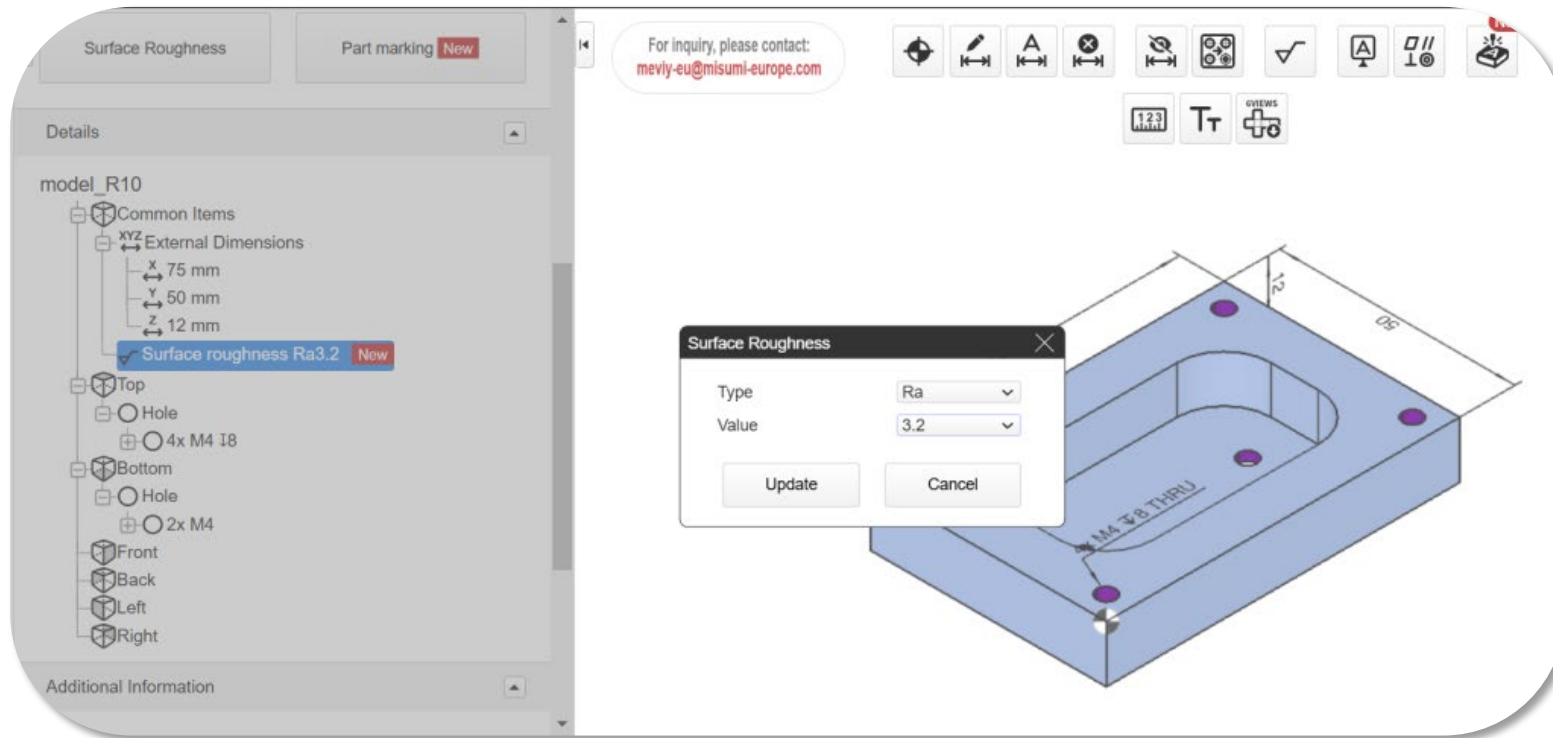
Material	Density [g/cm ³]	Tensile Strength [mPa]	Coefficient of Thermal Expansion [10 ⁻⁵ K ⁻¹]	Volume Resistivity [Ω · m]
MC Nylon	1.20	69	8.0	1-10 ²
PP	0.91	34	11.1	10 ¹³
PPS	1.63	110 (length) / 65 (width)	4.0 (vertical) / 7.4 (horizontal)	10 ¹³
PET	1.35	79	2.4~2.9	10 ¹⁶

Find out more about this new release and many other exciting topics on our blog!

[LEARN MORE](#)

CNC Milling: Surface Roughness Ra3.2 & Rz12.5 for Unspecified Areas 1/2

We've got you covered when it comes to surface finishes! For unspecified areas, we offer Ra 6.3 & Rz 12.5. Plus, for Steel, Aluminium, Stainless Steel, and Plastic, we now provide an even finer surface roughness of Ra 3.2 & Rz 12.5. That means you can set Ra 3.2 as your default preference in your user settings—giving you more control and precision with ease!



Find out more about this new release and many other exciting topics on our blog!

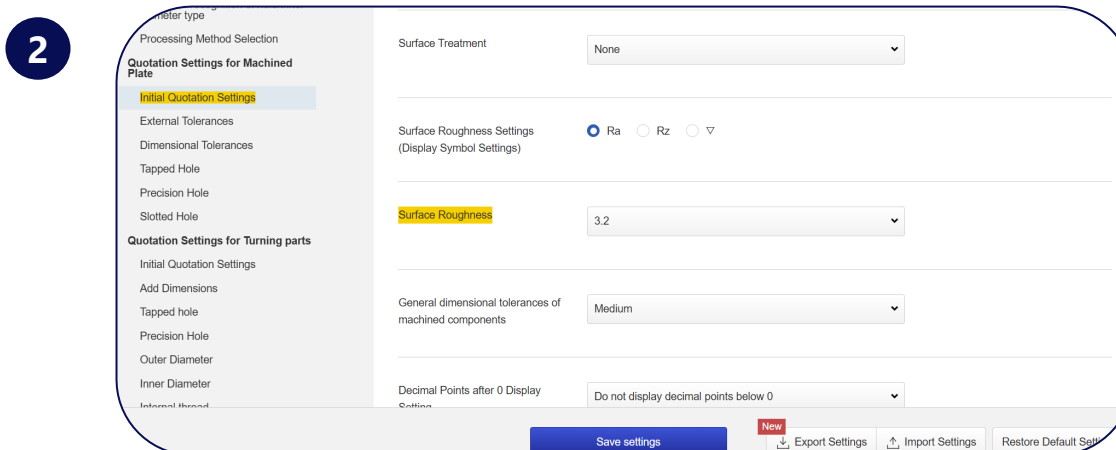
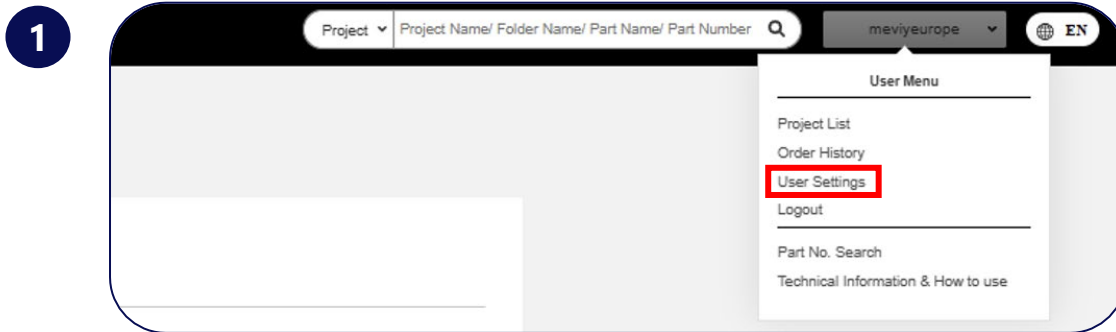
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Appearance in meviy's Application

CNC Milling: Surface Roughness Ra3.2 & Rz12.5 for Unspecified Areas 2/2

If you're in the project list, click on your name in the top right corner. Then, go to **User Settings**.

Under **User Settings** for MP, TP, and SM, you'll find "**Initial Quotation Settings**." Here, you can set **Ra 3.2** as your default preference.



Find out more about this new release and many other exciting topics on our blog!

[LEARN MORE](#)

CNC Milling: Threaded Inserts for Plastic Parts

We can now offer high-quality threaded inserts for plastic parts, available in sizes M3 to M8! Perfect for enhanced durability and reliability in your custom plastic parts.



EN 1.4301 equiv.

[LEARN MORE](#)

Process



Specifications:

Material	Plate Thickness	Nominal Length	Nominal Diameter				
PET, Acrylic, Polycarbon ate, PVC	3.0	-					
	5.0	1D	o	o			
		1.5D	o				
		2D					
	8.0	1D	o	o	o	o	
		1.5D	o	o	o		
		2D	o				
	10.0	1D		o	o	o	o
		1.5D		o	o	o	
		2D		o			

CNC Milling: Inch Tapped Holes

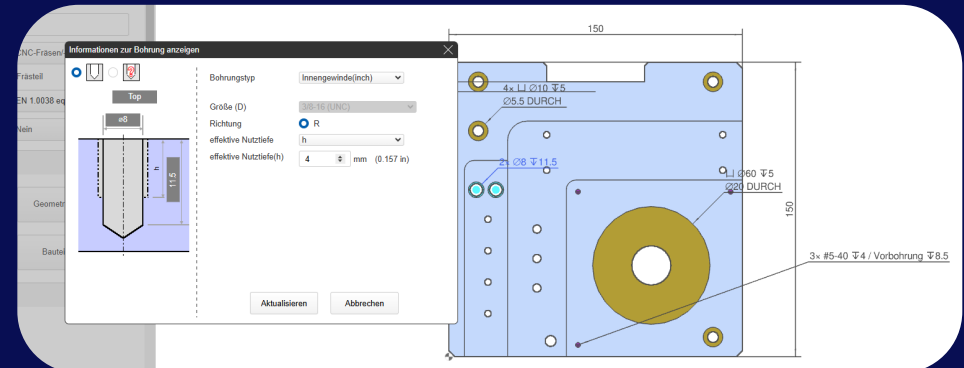
Introducing Inch Tap and Thread for CNC Milling and Turning – offering engineers expanded design possibilities. With a range of Inch thread sizes now available, manufacturing components with Inch screws and threads has never been easier.

Tapping for CNC milling and Turning: **Available in sizes from #2 to 5/8"**

Find out more about this new release and many other exciting topics on our blog!

[LEARN MORE](#)

How To Set Tapped Holes


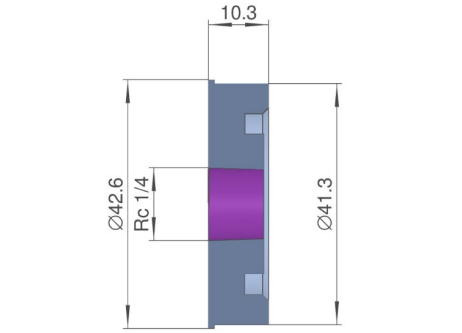

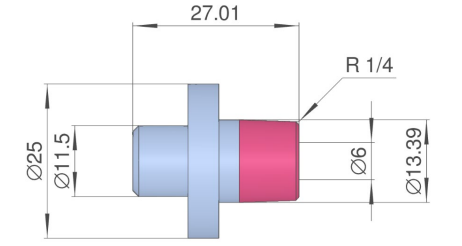


1. Set display style in drop down at upper right of screen to unit (inch)
2. Double click hole in the model viewer
3. Change the hole type to tapped (inch)
4. Choose the inch size and pitch required
5. Set the thread depth in mm; inch depth will be shown for reference

■ CNC Turning

CNC Turning: Automatic Quotation for Tapered Screw added

meviy now enables **external** and **internal threading** along the central axis, which is essential for manufacturing pipe components such as joints and plugs. This service is available for a variety of materials, including both **plastics** and **metals**.

		<table border="1"> <tr><td>Material</td><td>EN 1.4301 equiv.</td></tr> <tr><td>Size</td><td>ø42.6×L10.3</td></tr> <tr><td>Type of screw</td><td>Rc1/4</td></tr> <tr><td>Sales Price</td><td>€ 32.51</td></tr> <tr><td>Lead time</td><td>10 days</td></tr> </table>	Material	EN 1.4301 equiv.	Size	ø42.6×L10.3	Type of screw	Rc1/4	Sales Price	€ 32.51	Lead time	10 days
Material	EN 1.4301 equiv.											
Size	ø42.6×L10.3											
Type of screw	Rc1/4											
Sales Price	€ 32.51											
Lead time	10 days											
		<table border="1"> <tr><td>Material</td><td>EN 1.4401 equiv.</td></tr> <tr><td>Size</td><td>ø25×L27.01</td></tr> <tr><td>Type of screw</td><td>R1/4</td></tr> <tr><td>Sales Price</td><td>€ 34.11</td></tr> <tr><td>Lead time</td><td>10 days</td></tr> </table>	Material	EN 1.4401 equiv.	Size	ø25×L27.01	Type of screw	R1/4	Sales Price	€ 34.11	Lead time	10 days
Material	EN 1.4401 equiv.											
Size	ø25×L27.01											
Type of screw	R1/4											
Sales Price	€ 34.11											
Lead time	10 days											

Automatic Quotation

External screw	Internal screw
R 1/16	Rc 1/16
R 1/8	Rc 1/8
R 1/4	Rc 1/4
R 3/8	Rc 3/8
R 1/2	Rc 1/2
R 3/4	Rc 3/4
R1	Rc 1
R1 1/4	Rc 1 1/4
R1 1/2	Rc 1 1/2

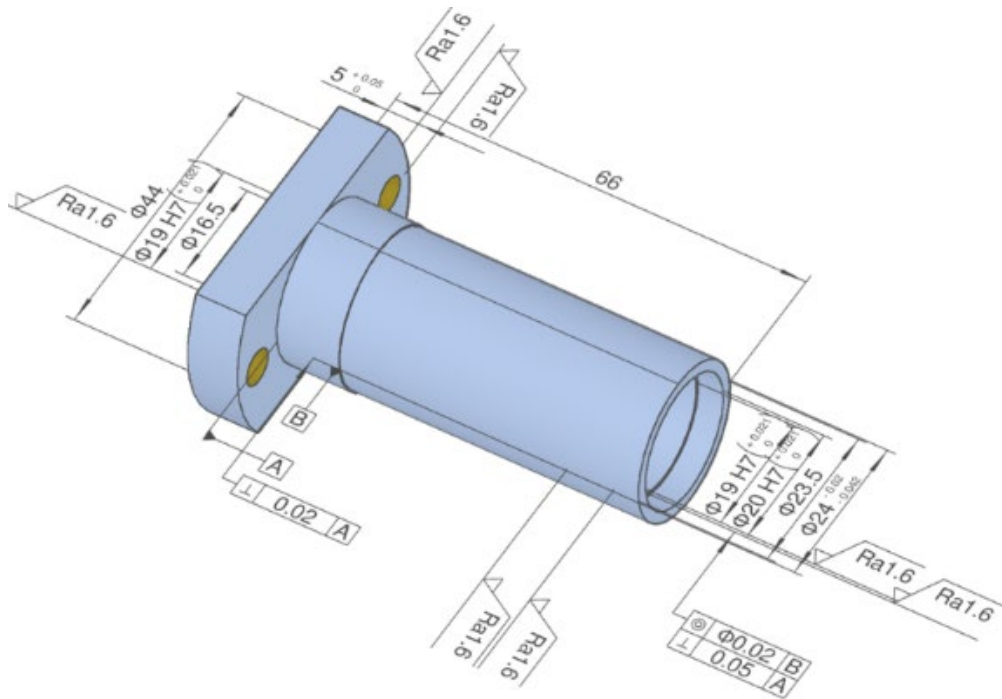
Manual Request

External screw	Internal screw
R2	Rc 2
R2 1/2	Rc 2 1/2
R3	Rc 3
R4	Rc 4
R5	Rc 5
R6	Rc 6
R2	Rc 2
R2 1/2	Rc 2 1/2
R3	Rc 3

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CNC Turning: TP GD&T Geometric Dimensioning & Tolerancing

9 types of geometric tolerances, automatically quoted up to a tolerance range of 0.01



Geometric Tolerance Type	Symbol	Plane	Cylindrical Surface	Datum	Datum Target Area	Tolerance Value
Flatness		✓	—	—	Surface	0.01 ~ 0.1
Parallelism		✓	—	Necessary	Surface	0.01 ~ 0.1
Perpendicularity		✓	✓	Necessary	Surface	0.01 ~ 0.1
Circularity		—	✓	—	Surface	0.01 ~ 0.1
Concentricity		—	✓	Necessary	Surface	0.01 ~ 0.1
Straightness		—	✓	—	Surface	0.01 ~ 0.1
Cylindricity		—	✓	—	Surface	0.01 ~ 0.1
Circular Round		—	✓	Necessary	Surface	0.01 ~ 0.1
Total Runout		—	✓	Necessary	Surface	0.01 ~ 0.1

HOW TO SET

LEARN MORE

CNC Turning: Plastic Materials Added

meviy now offers a wide range of plastic materials for turned parts! This expansion provides more flexibility to meet your specific requirements, opening up new possibilities for your projects.

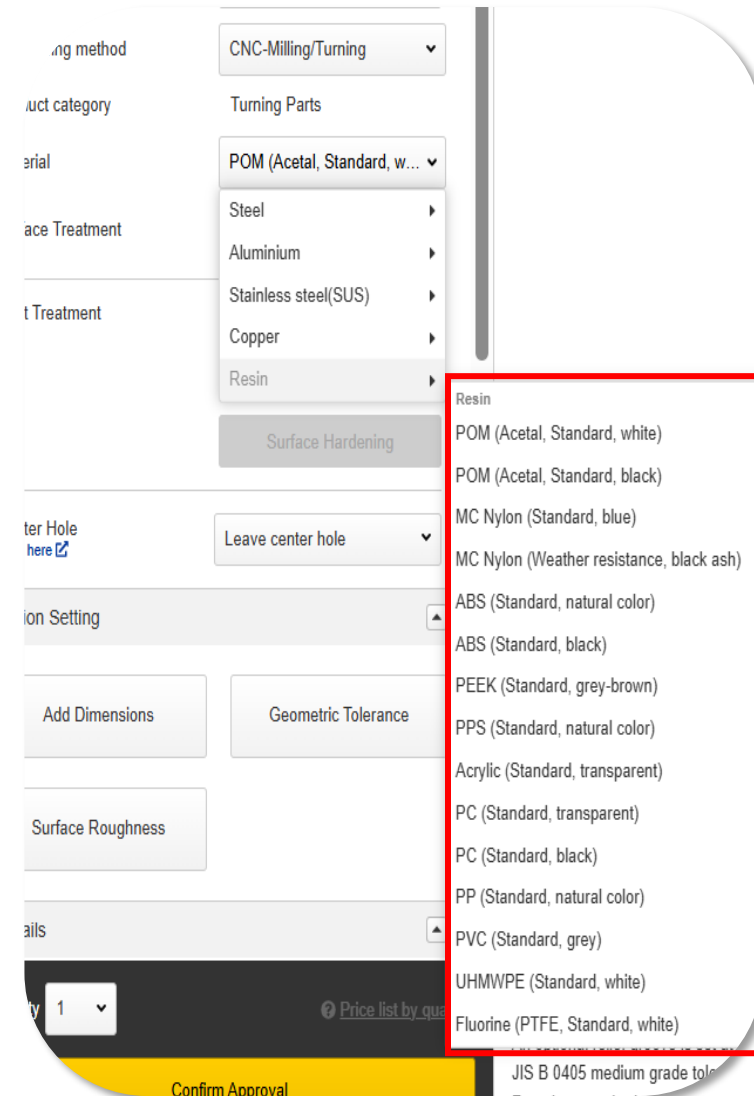
New Plastic Materials

- POM (Acetal, Standard, white)
- POM (Acetal, Standard, black)
- MC Nylon (Standard, blue)
- MC Nylon (Weather resistance, black ash)
- ABS (Standard, black)
- ABS (Standard, natural color)
- PC (Standard, transparent)
- PC (Standard, black)
- PP (Standard, natural color)
- Flourine (PTFE, Standard, white)
- PEEK (Standard, grey-brown)
- PPS (Standard, natural color)
- Acrylic (Standard, transparent)
- UHMWPE (Standard, white)
- PVC (Standard, grey)

Find out more about plastic materials for turned parts and other exciting topics in our blog!

[TO THE BLOG](#)

5/14/2025



CNC Turning: New Heat Treatment Options Added

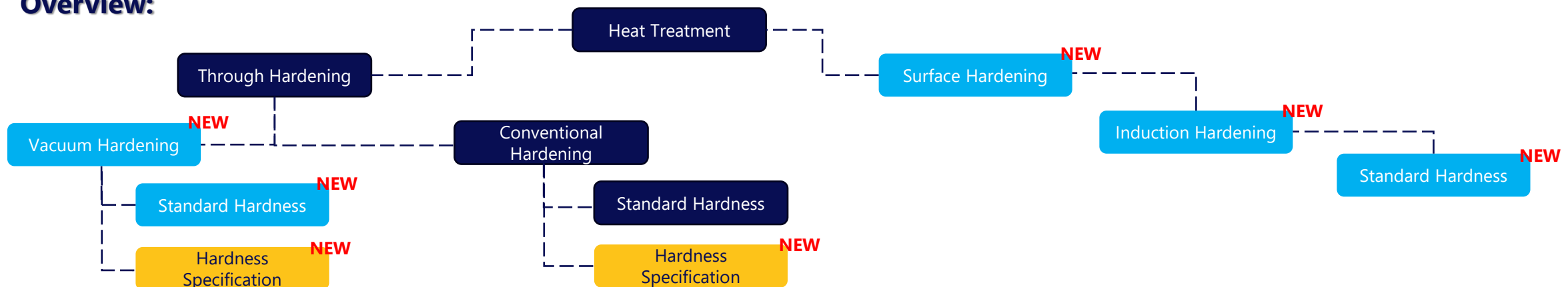
We now offer a variety of heat treatment options for our turning parts, providing greater flexibility to meet your specific needs.



Find out how to select different heat treatment options in our meviy application!

[LEARN MORE](#)

Overview:



CNC Turning: New Heat Treatment Options Added

Through Hardening (Conventional Hardening)

Quenching in a general
atmospheric kiln



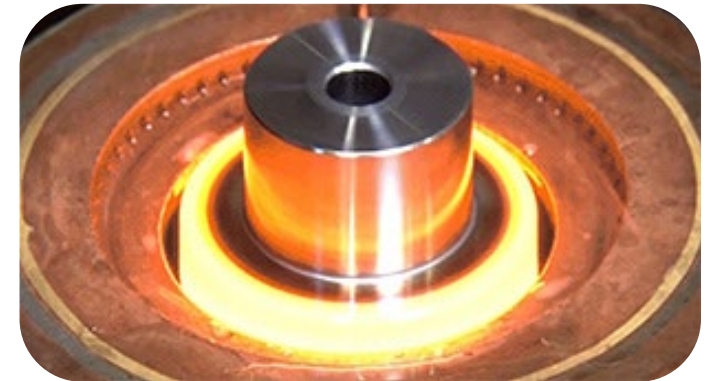
Vacuum Hardening

Quenching using a vacuum kiln



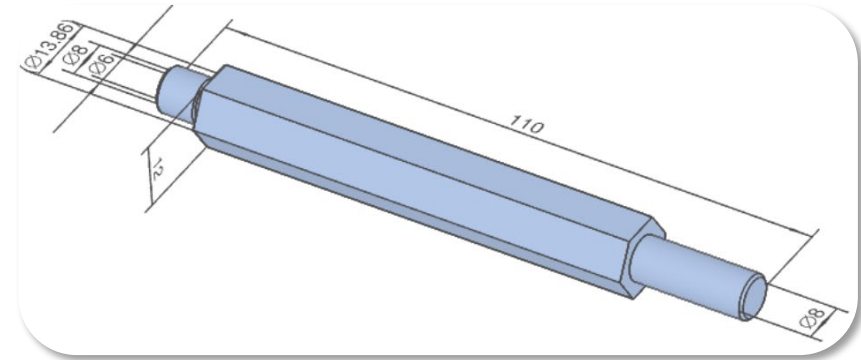
Surface Hardening (Induction Hardening)

Partial and surface
quenching



CNC Turning: Custom Hexagon Bars

We're excited to introduce Custom Hexagon Bars to our turned parts lineup! Designed for greater precision and versatility, they offer enhanced customization and efficiency for your manufacturing needs.



Find out more about hexagon bars and other exciting topics in our blog!

[LEARN MORE](#)

Material		Basic Information
Steel	EN 1.1191 equiv. EN 1.0038 equiv. EN 1.7220 equiv.	Surface treatment possible Heat treatment possible No tolerances can be selected No surface roughness can be selected No geometric tolerances can be selected
Stainless Steel	EN 1.4305 equiv. EN 1.4301 equiv. EN 1.4401 equiv.	
Copper	CW614N equiv.	

CNC Turning: Hexagon Holes Added

Our CNC turning service now includes automated quoting for hexagonal holes. Perfect for tight spaces where traditional tools can't reach, hexagonal holes offer a simpler solution for fastening in complex machinery and precision instruments.

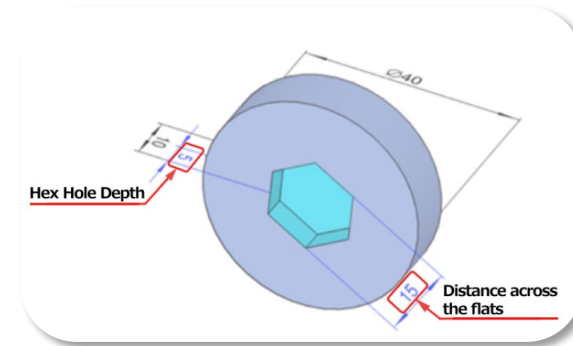
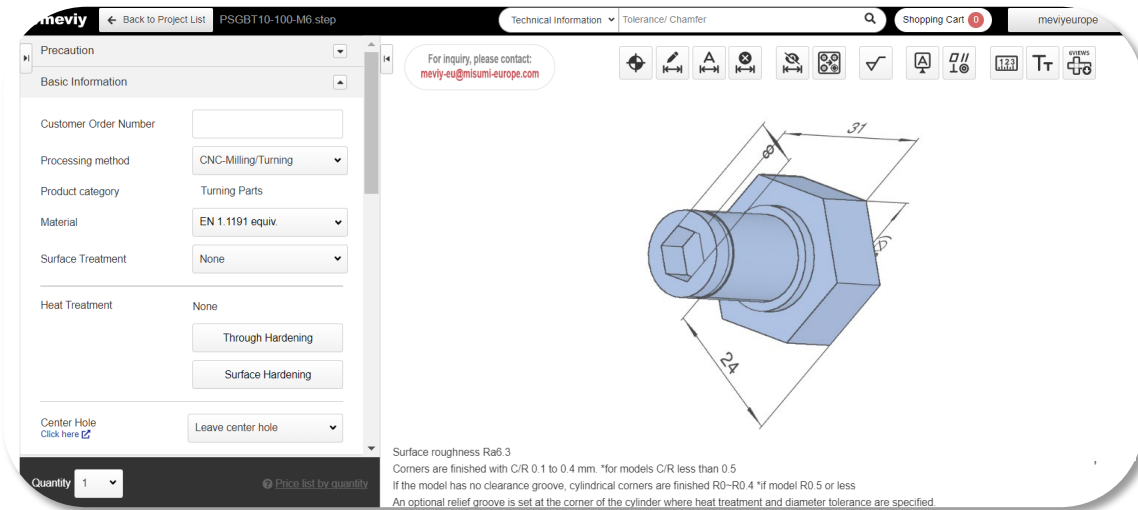


Fig. Appearance of Hexagon Holes in meviy's 3D Viewer

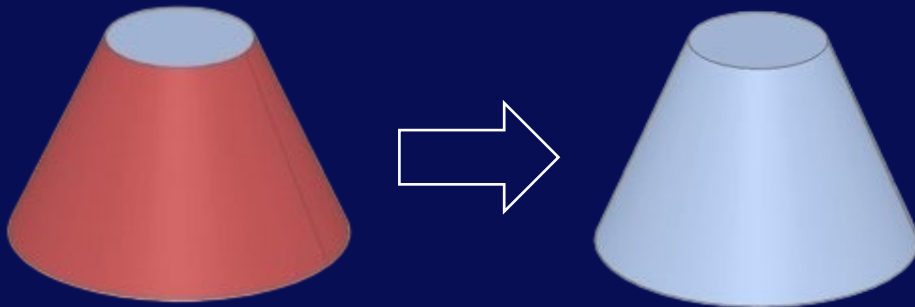
Find out more about this new release and many other exciting topics on our blog!

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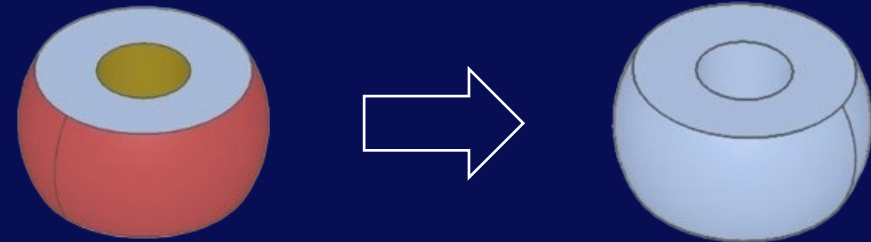
CNC Turning: Recognition of Crown and Taper Shapes Added

Our system now recognizes crown and taper shapes for turning parts, expanding beyond cylindrical designs. Surface treatment, roughness, and material options are available, with a max outer diameter of 200mm.

Taper Shape



Crown Shape



CNC Turning: Plastic Washers

Great news! We're now able to process applications like **washers** starting **from just 1mm in length**. Previously, we could only handle lengths above 2mm, but now 1mm and up are good to go for AQ.



Available Materials:

Plastic for turned parts (excluding PMMA and PVC)

Size Range:

ø3 to 200mm, with lengths from 1mm to 20mm

CNC Turning: Inch Threads

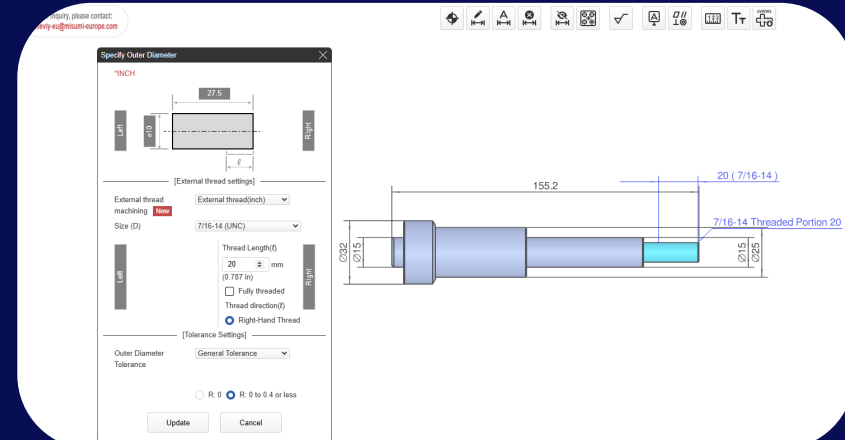
Introducing Inch Tap and Thread for CNC Milling and Turning – offering engineers expanded design possibilities. With a range of Inch thread sizes now available, manufacturing components with Inch screws and threads has never been easier.

External and Internal Threads for CNC Turning: **Available in sizes from #2 to 1"**

Find out more about this new release and many other exciting topics on our blog!

[LEARN MORE](#)

How To Set Inch Threads



1. Set display style in drop down at upper right of screen to unit (inch)
2. Double click the diameter in the model viewer
3. Change the type to male or female thread (inch)
4. Choose the inch size and pitch required
5. Set the thread depth in mm; inch depth will be shown for reference

■ Sheet Metal

Sheet Metal: Aluminium Composite Plate Available

We've added the "Aluminum Composite Plate" as a new material option for sheet metal parts. It's ideal for reducing weight while maintaining rigidity or for creating equipment covers.

If you select "composite board" in the material selection, you can choose from the options which are shown in the table below ↓

Material	Core Material	Surface Treatment	Colour	Plate Thickness	External Dimensions	
					Vertical	Horizontal
Aluminium Composite Plate	Polyethylene Foam Plastic	Paint	Silver	3.0	10 to 1000	10 to 2000
			Black			



Sheet Metal: Additional Edge Breaking Options

While our process already ensures burrs of **0.1mm** or **less**, this new feature allows you to select an equivalent radius of 0.1mm or less for even **smoother edges!**

Edge Breaking
See more information about edge breaking [↗](#)

Option Setting

No edge breaking (No burrs $\geq 0.1\text{mm}$)
Edge breaking (Radius = 0.1mm)

Material	Surface Treatment	Sheet Thickness (mm)
EN 1.0330 equiv. [EN 1.0320 equiv. (hot coiled)]	-	0.8 1.0 1.2 1.6 2.0 2.3 3.2 4.5 6.0 9.0 10.0 12.0 16.0
	Paint	0.8 1.0 1.2 1.6 2.0 2.3 3.2 4.5 6.0
	Electroless Nickel Plating	0.8 1.0 1.2 1.6 2.0 2.3 3.2 4.5 6.0 9.0
	Black Oxide	
EN 1.0038 equiv.	Trivalent Chromate (Clear)	0.8 1.0 1.2 1.6 2.0 2.3 3.2 4.5 6.0 9.0
	Trivalent Chromate (Black)	
EN 1.0330 equiv.	Electrolytic Zinc Plating	0.8 1.0 1.2 1.6 2.0 2.3 3.2
EN 1.4301 equiv.	2B	0.8 1.0 1.2 1.5 2.0 2.5 3.0 4.0 5.0 6.0
	No. 1	9.0 10.0 12.0
EN 1.4106 equiv.	2B	0.8 1.0 1.2 15 2.0 3.0

The price varies based on size.
E.g., for a length of $10\text{mm} < X < 300\text{mm}$ → Approx. €3.

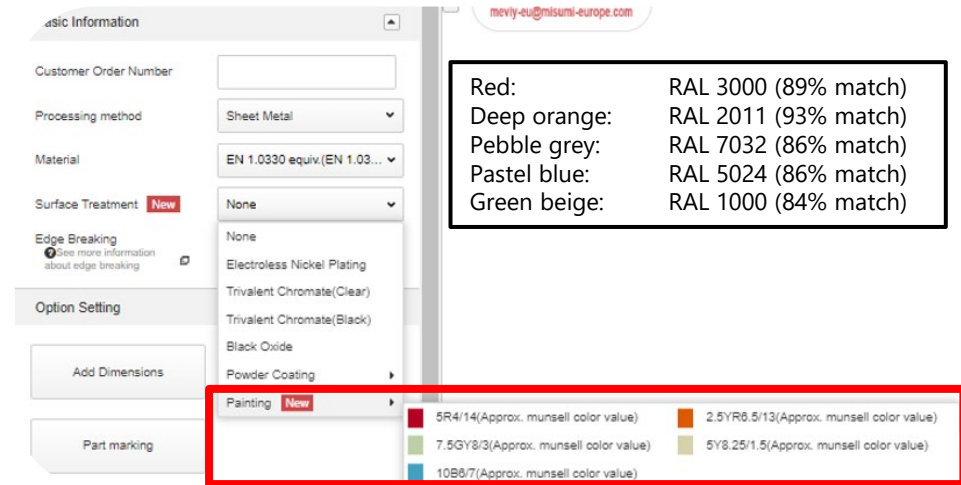
[TO THE BLOG](#)

Sheet Metal: 5 New Wet Paints Available

Since the September release, we now offer 5 new paint colours for our sheet metal parts. These colours are available in the surface treatment section, alongside our wide range of powder coating options.



Sheet Metal Parts Showing 5 New Wet Paints



Screenshot of the meviy Application Showing Colour Options

Find out more about meviy's new available colours and other exciting topics in our blog!

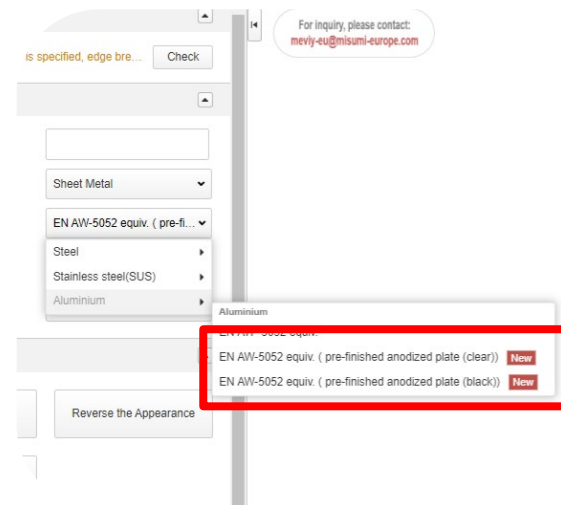
[LEARN MORE](#)

Sheet Metal: Pre-Anodised Plates Available

We're excited to expand our capabilities and now offer anodising for sheet metal parts. This brings the same protection, durability, and aesthetic customization previously available for sheet metal components, ideal for enclosures, panels, and housings.



Pre-Anodised Sheet Metal Parts Manufactured by meviy



Appearance in the meviy Application

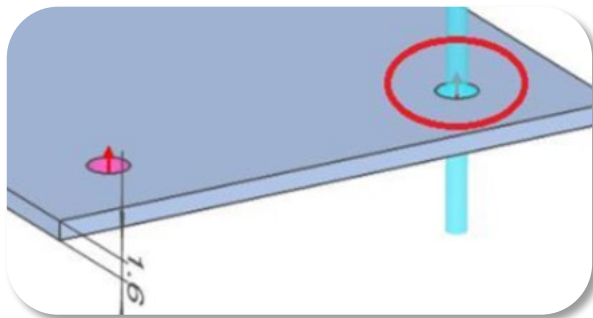
Find out more about meviy's new options for anodising and other exciting topics in our blog!

[LEARN MORE](#)

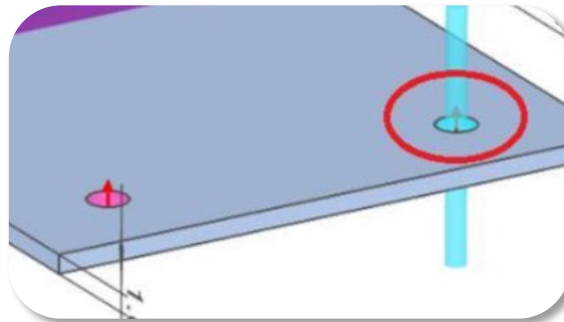
Sheet Metal: Tap and Countersunk Visibility Improvement

We're excited to announce an enhancement to the **direction display** when **selecting taps** and **countersinks**. This update significantly improves visibility, making it easier for users to make precise machining decisions and ensuring greater accuracy in every operation.

AS IS



TO BE



Sheet Metal : Long Time Delivery Option

Economy Shipping Option Added for 4 Colours for Sheet Metal Parts

Black



N-10 (JPMA Color code)
Reference value: 9005 (RAL 95% match)
N1 (Munsell)
CYMK 21 12 0 91

Grey



25-70B (JPMA Color code)
Reference value: 7032 (RAL 97% match)
5Y7/1 (Munsell)
CYMK 0 5 12 30

White



N-95 (JPMA Color code)
Reference value: 9016 (RAL 97% match)
N9.5 (Munsell)
CYMK 0 1 2 4
Glossy

Yellow



22-80X (JPMA Color code)
Reference value: 1021 (RAL 94% match)
2.5Y8/14 (Munsell)
CYMK 0 32 100 1
Glossy

We are excited to announce the inclusion of four colours (**Black, White, Grey, Yellow**) in our economy shipping service for powder coated sheet metal processing. By opting for more relaxed lead time, you can enjoy a **20% discount** without any compromise on quality.

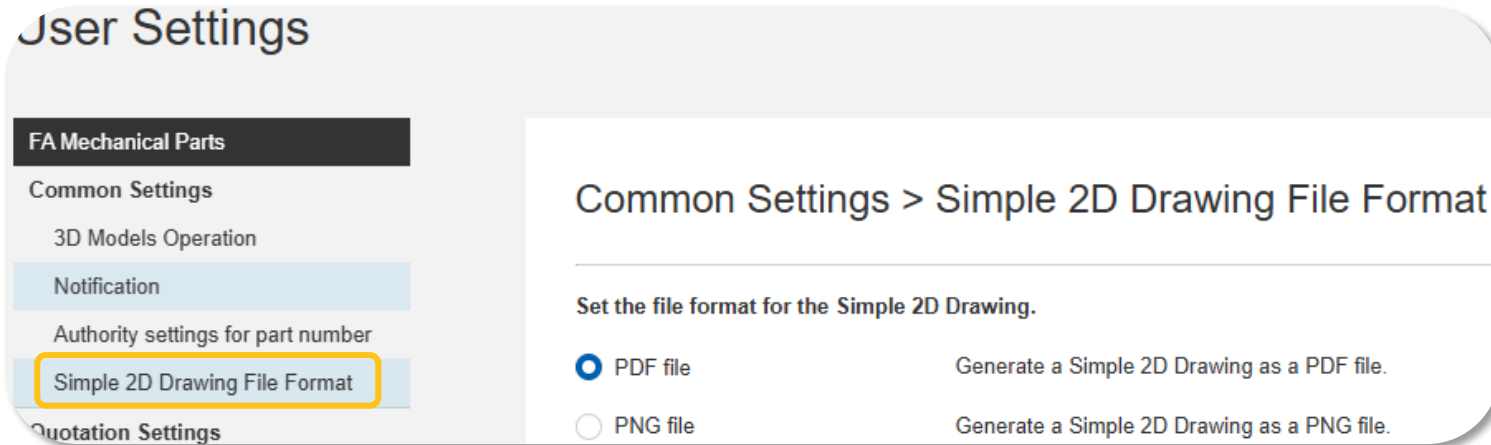
Find out more about meviy's new options for economy shipping and other exciting topics in our blog!

[LEARN MORE](#)

■ System

System: Download 2D PDF Drawing

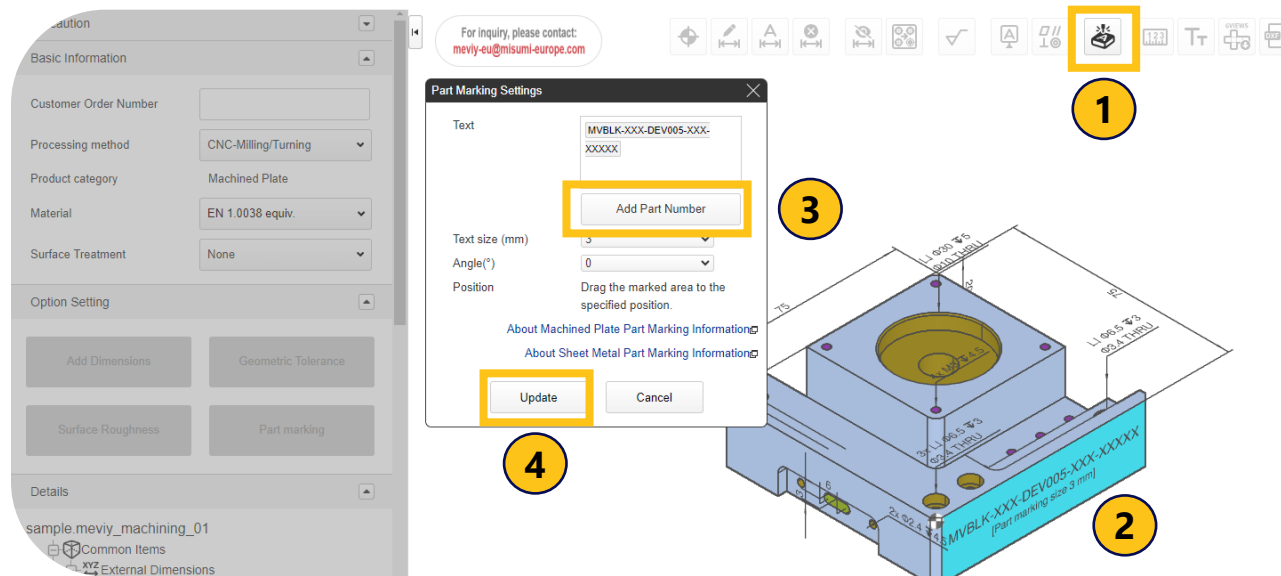
It is now possible to download a simple 2D drawing in PDF format. You can select between PNG and PDF format in the user settings.



The screenshot displays the 'User Settings' interface. On the left, a sidebar lists various settings categories: 'FA Mechanical Parts', 'Common Settings', '3D Models Operation', 'Notification', 'Authority settings for part number', 'Simple 2D Drawing File Format' (highlighted with a yellow border), and 'Quotation Settings'. The main content area is titled 'Common Settings > Simple 2D Drawing File Format'. Below the title, it instructs the user to 'Set the file format for the Simple 2D Drawing.' Two radio button options are provided: 'PDF file' (selected) and 'PNG file'. The 'PDF file' option is accompanied by the text 'Generate a Simple 2D Drawing as a PDF file.', and the 'PNG file' option is accompanied by 'Generate a Simple 2D Drawing as a PNG file.'

System: Part Number Engraving Release

Easily streamline part management with our new part number engraving feature for **CNC milled** and **sheet metal parts**. Improve identification, reduce errors, and enhance efficiency in manufacturing, assembly, and maintenance — all seamlessly integrated into our platform.



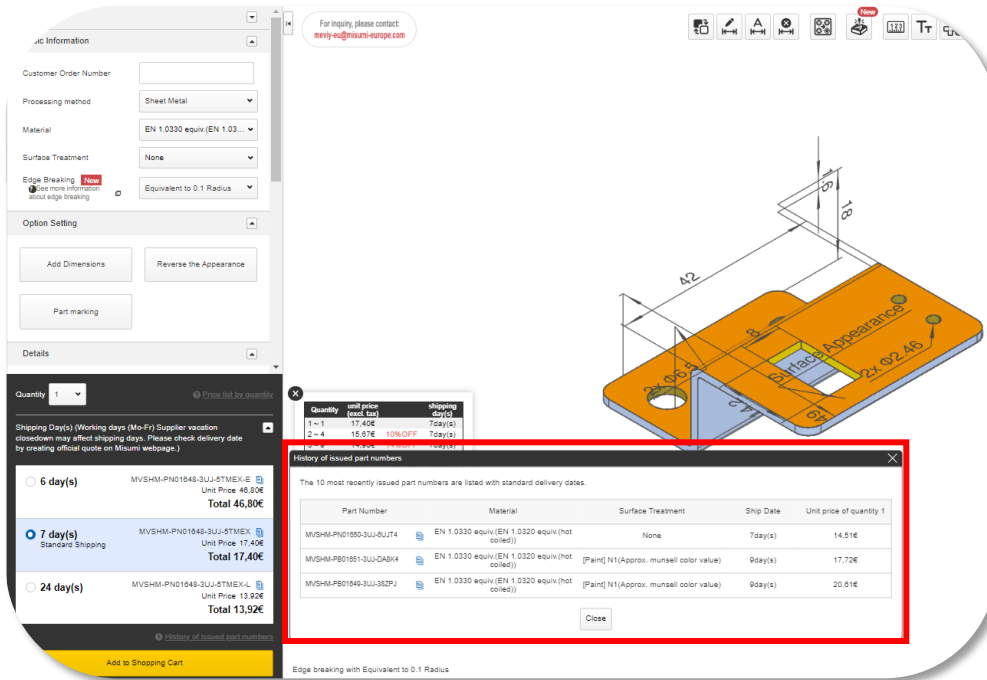
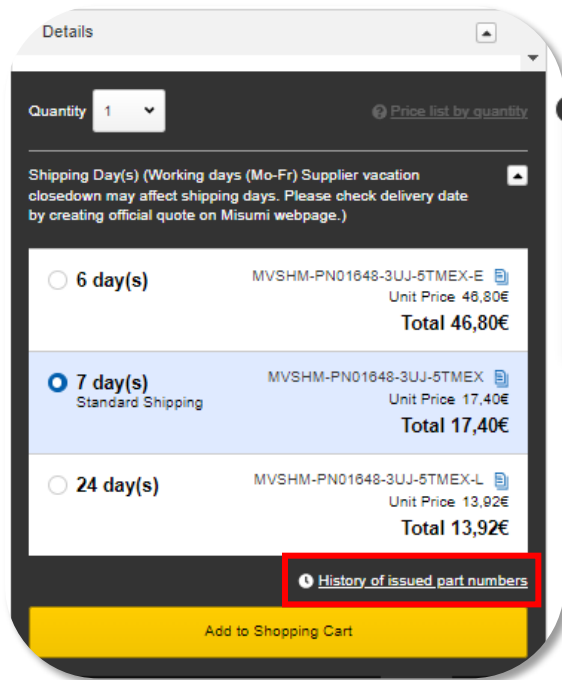
- 1 Click on the marked icon at the top.
- 2 Select the surface which should be marked.
- 3 Insert the text and click on **Add Part Number**.
- 4 When everything is ready, click **Update**.

For more information, visit
our blog!

[TO THE BLOG](#)

System: Part Number History Function Added

We now offer a part number history for sheet metal, machined plate, and turning parts. Easily compare costs for different materials and surface treatments, with past prices and shipping dates displayed in the 3D Viewer. View key details like part number, material, surface treatment, shipping days, and unit price for quick reference.



System: New Supported CAD File Formats

With our new update, we have added several new CAD file formats to our system. This makes our application even more flexible. You can find the new formats below:

New Supported CAD File Formats:

SolidWorks –2025
Inventor – 2024
Creo – Creo 10.0
NX – NX 2412
Solid Edge –2025
CATIA V5 – V5_6R2023

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