






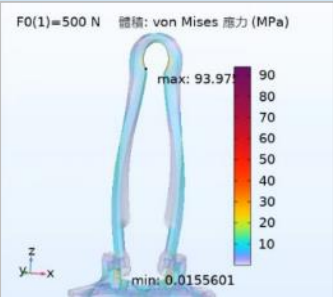
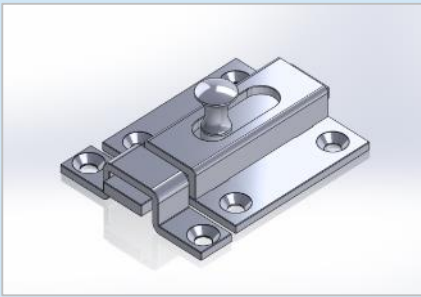
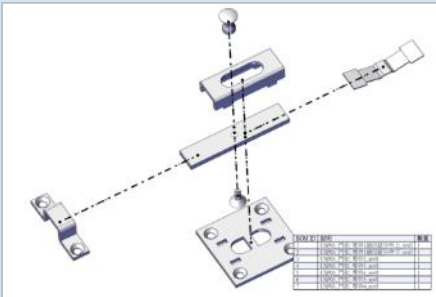
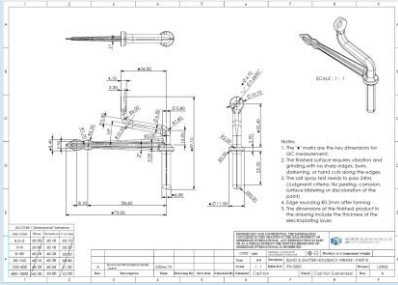



Research and Development Design Service Module

Gee Bridge 2024 New Service
(Will be launched around March-2024)

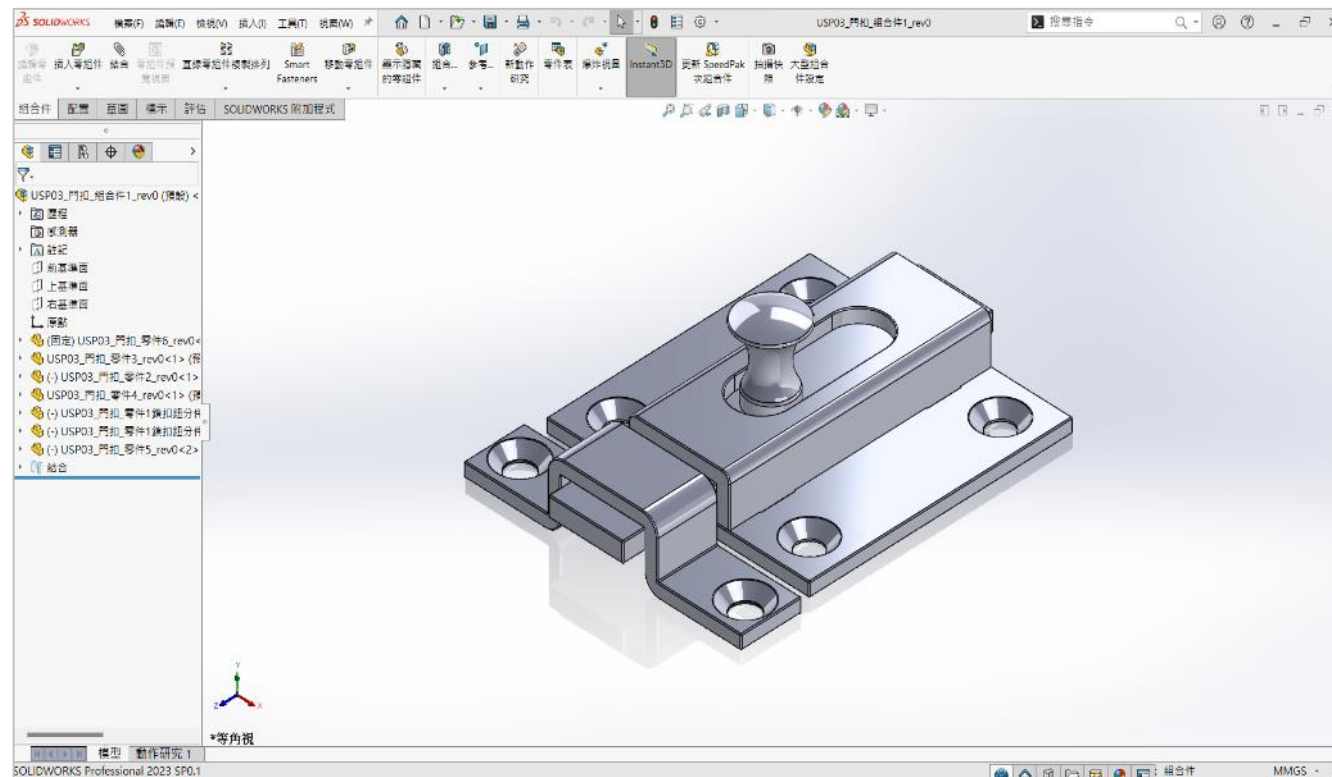
Driving Innovation Through Advanced Tools

Through the efficient utilization of tools as below, our R&D team harnesses advanced technology to drive product innovation. Whether it's precise analysis or distinctive design, our capabilities span multiple domains, ensuring the delivery of exceptional solutions to our clients.

Comsol	Solidworks & Pro-E	Composer	CAD	Rhino
Conducting highly precise structural stress and fatigue strength analysis to enhance product performance.	Crafting three-dimensional mechanical structures and aesthetic designs, achieving a seamless blend of functionality and aesthetics.	Creating explosive diagrams and product animations, vividly showcasing assembly and functionality.	Executing precise engineering drawings, ensuring the smooth progression of the manufacturing process.	Mastering the art of design, focusing on visual aesthetics and infusing products with unique character.
				
				

3D Modeling

Product 3D Modeling



Process

Setup	Provide actual samples or engineering drawings.
Purpose	Product structure, manufacturing, conversion to 2D engineering drawings, models for animation, models for rendering, etc.
Other Additional Requirements	Contact sales for further discussion
Output to be Provided	3D files (stp/igs/ etc.)
Time and Cost	will quote based on individual cases after requirement interview

Engineering Drawing Creation

1 2 3 4 5 6 7 8 9

A

B

C

D

E

Technical drawing of a Blind & Shutter Holdback Hware - Part B. The drawing includes a side view, a top view, and a detail view of the corner. Dimensions are given in mm. Key dimensions include: overall length 75.00, overall width 49.10, mounting hole diameter 11.50, and various radii and chamfers.

Notes:

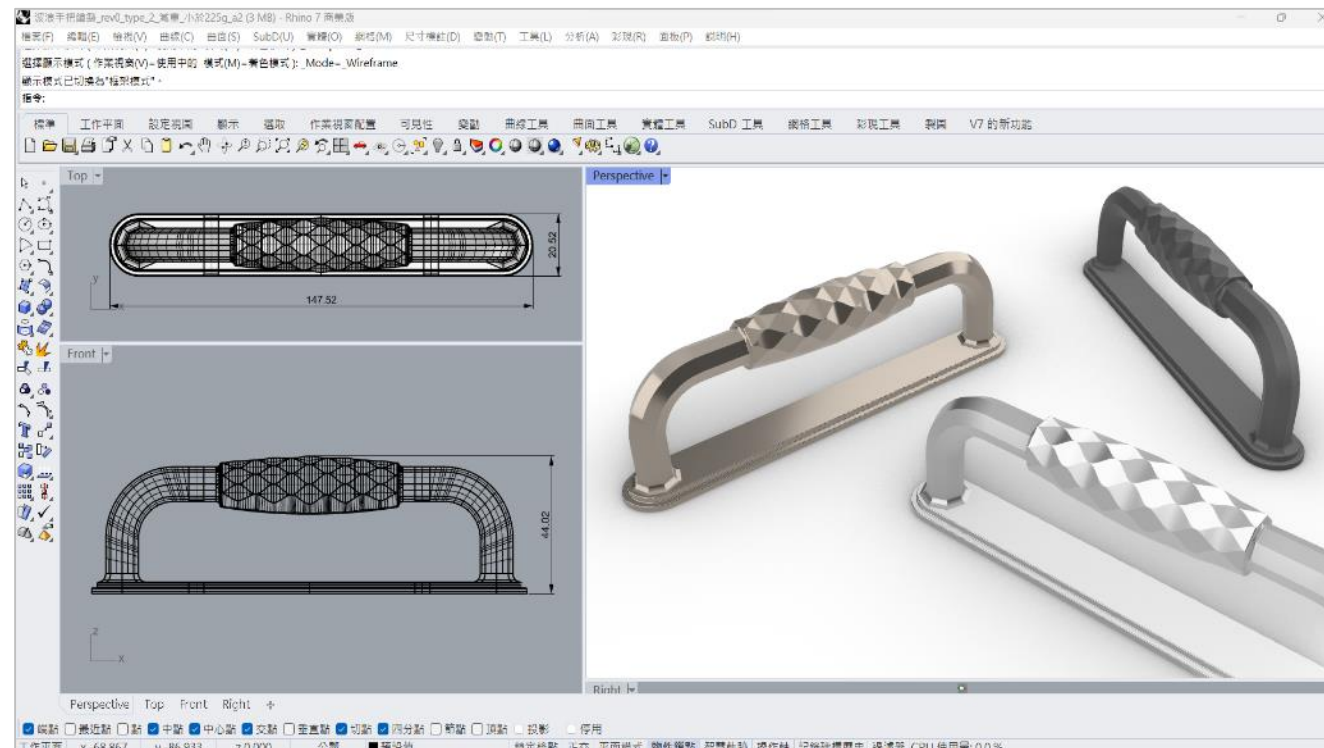
- The "•" marks are the key dimensions for QC measurement.
- The finished surface requires vibration and grinding, with no sharp edges, burrs, darkening, or hand cuts along the edges.
- The salt spray test needs to pass 24hrs (Judgment criteria: No peeling, corrosion, surface blistering or discoloration of the paint)
- Edge rounding R0.2mm after forming
- The dimensions of the finished product in the drawing include the thickness of the electroplating layer.

ISO-2768-1 Dimensional Tolerance			
Size class	F (fine)	M (medium)	C (coarse)
0.5-3	±0.05/±0.10	±0.10	±0.15/±0.20
3-6	±0.05	±0.10	±0.20
6-30	±0.10	±0.20	±0.60
30-120	±0.15	±0.30	±0.80
120-400	±0.20	±0.50	±1.20
400-1000	±0.30	±0.80	±2.00

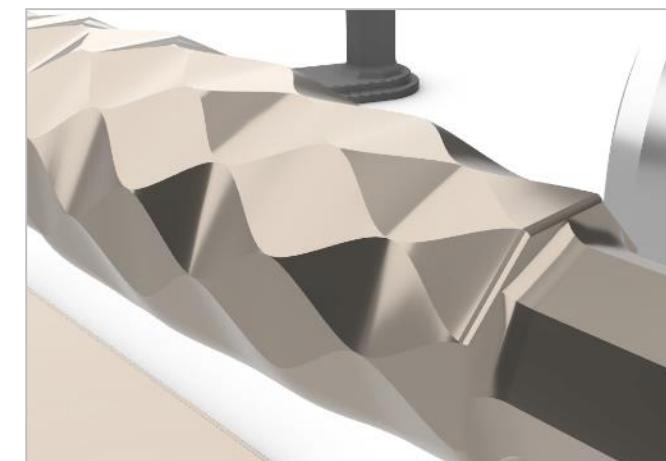
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UNIT : mm										GENERAL TOLERANCE ACCORDING TO ISO 2768-1	
Size	A4	Description	BLIND & SHUTTER HOLDBACK HWARE - PART B							Product or Component weight	
Scale	1 : 1	ERP P/P	RH-3000							Project	USR05
Rev.	Description	Date	Drawing By	first trial	Checked By	Material	Cast iron	Finish	Cast Iron Galvanized	Rev.	A

3D Freeform Surfaces

3D Freeform Surfaces

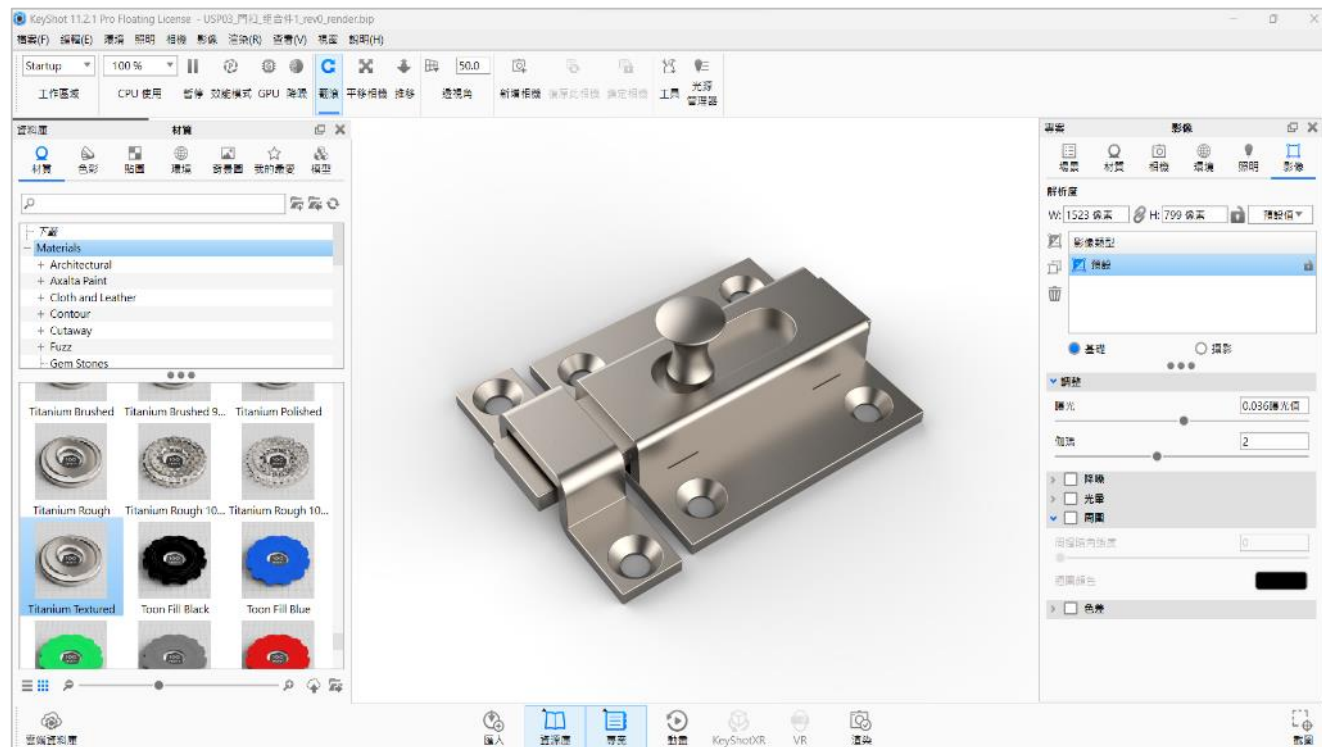


Process	
Setup	Provide design style conditions and information.
Purpose	Product structure, manufacturing, conversion to 2D engineering drawings, models for animation, models for rendering, etc.
Other Additional Requirements	Contact sales for further discussion
Output to be Provided	3D format (stp/igs/ etc.)
Time and Cost	will quote based on individual cases after requirement interview



3D Rendering

Product 3D Rendering

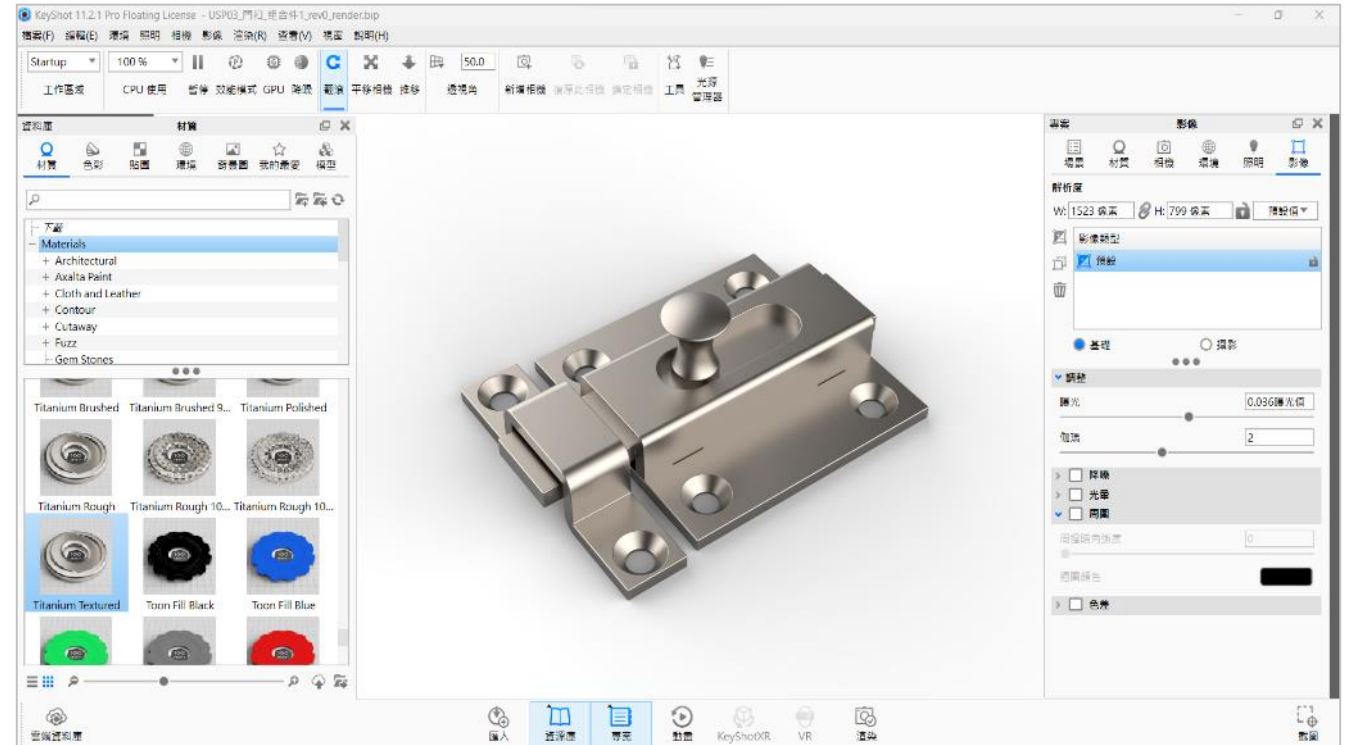


Process

Setup	Provide 3D files.
Purpose	Product flat design application, realistic imagery, promotional visuals, etc.
Other Additional Requirements	Contact sales for further discussion
Output to be Provided	Image files (jpg/ etc.)
Time and Cost	will quote based on individual cases after requirement interview

Operation Animation

Product 3D Rendering



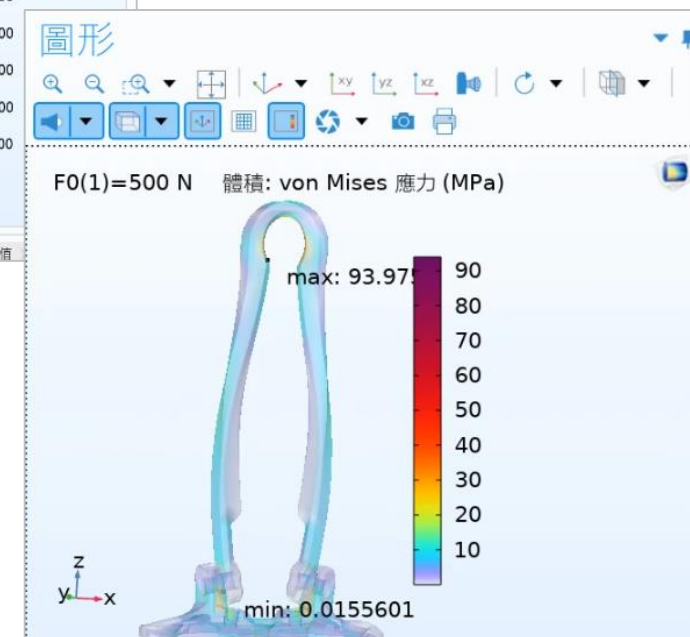
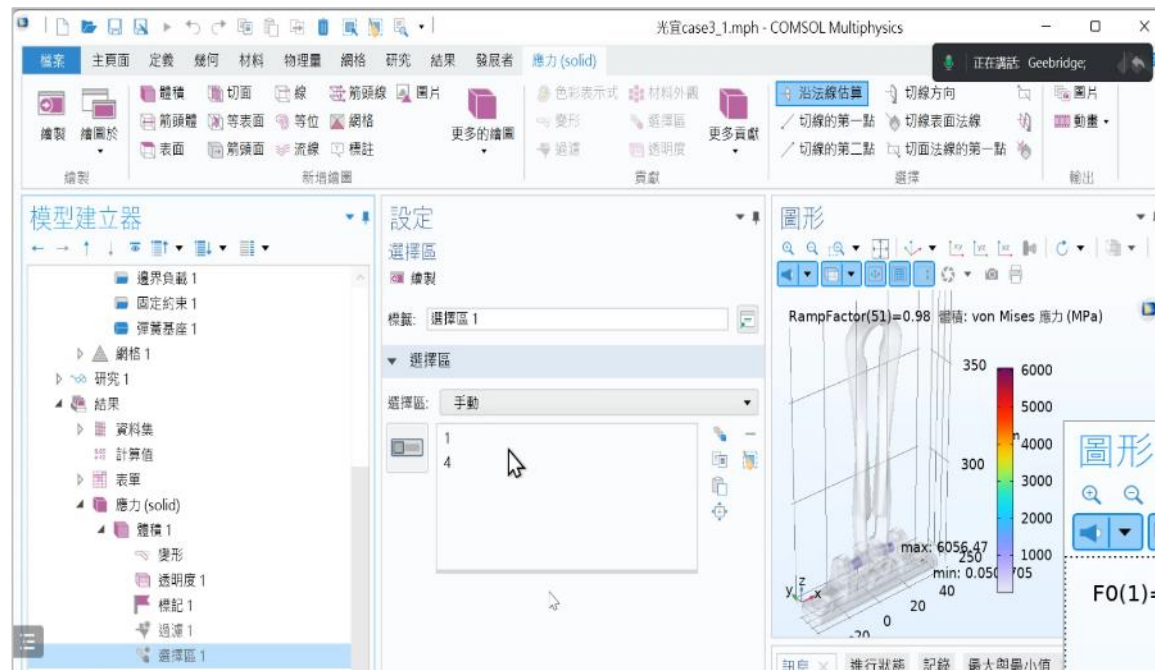
Process

Setup	Provide 3D files.
Purpose	Product flat design application, realistic imagery, promotional visuals, etc.
Other Additional Requirements	Contact sales for further discussion
Output to be Provided	Image files (jpg/ etc.)
Time and Cost	will quote based on individual cases after requirement interview

Computer-Aided Engineering Analysis

CAE
2024/Q3

CAE
Analysis



Process

Setup	Provide the product's 3D file.
Purpose	Structural strength, deformation, load-bearing capacity, failure points, material strength, fatigue, shear force, cantilever deflection, etc.
Other Additional Requirements	Discussion needed during a meeting.
Output to be Provided	Structural analysis data/information.
Time and Cost	will quote based on individual cases after requirement interview

**Please express your comments and needs to enhance
YOUR experiences through our innovative and
progressive services.**

THANK YOU