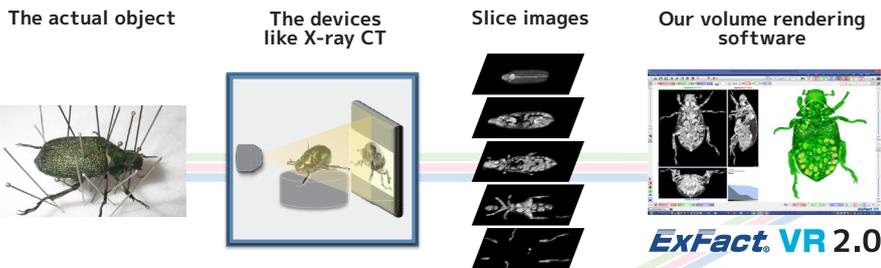# ExhiBits

# NVS®

## The business for producing 3D model from real 3D image
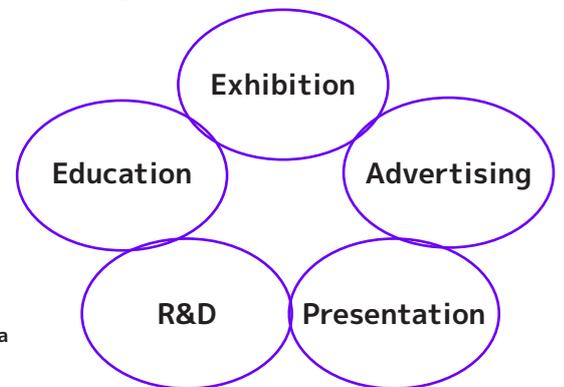
## ExhiBits is ?

It is a brand name of our new business that produces a variety of **3D model and exhibits** which expressed internal structure from **3D image** taken by devices such as X-ray CT and FIB SEM.

It is possible to have a very impressive presentation with our 3D model which only could be viewed on a computer screen until now.
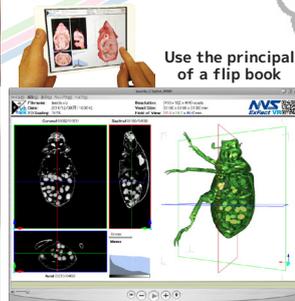
**The actual object**

**The devices like X-ray CT**

**Slice images**

**Our volume rendering software**

ExFact® **VR** 2.0

Produce a "transparent" models and exhibits in a variety ways from color printing with the images processed specially
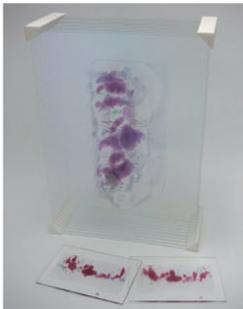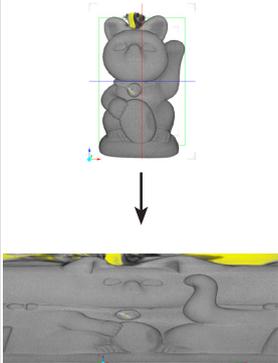
3D model that is a stack of the thin transparent plates.

This expresses well where 3D printer is hard to express such as shading, internal structure, floating islands...

**Use the principal of a flip book**

**Auto**-make a **redistributable** compact 3D data **in a short time**

## Purpose

Exhibition

Education

Advertising

R&D

Presentation

## ExhiBits - Variation

| Model **S** | Model **C** | Model **P** | Model **T** | Model **R** |
|---|---|---|---|---|
| **Slice** Images | **Cylindrial** model | **Panel** | **Transparent** | **Rotated** Photo |
| 3D model that is a stack of the thin transparent plates | | The stereoscopic view by the lenticular lens panel | The model of a transparent resin | |
| Easy to understand a color or a shade of the internal structure | Appearance of a cylindrical shape, express the internal structure as a cylindrical model | Represent 3D impression and animation-like on panel | It can be used in experiments by producing 3D model transparently | One round of appearance set by QuickTime movie then it is allowed to rotate freely |

※ **This is not produced by the 3D printer.**
3D printer is suitable for applications to determine the surface and design by STL file which produced from CAD software. In contrast, we can provide the unique 3D model that expresses such as **shading**, **internal structure**, and **floating islands** of real 3D image those difficult to represent within 3D printer.

*Beyond Software Technology*
ソフトウェアのその先に
since 1997

# ExhiBits – The flow of service

**① Send us data**
· A set of image data such as output of X-ray CT
· If you request a 3D image capturing, consult us please

**② Selection of type and size　(W × H × Dmm)**
L: 420 × 297(A3 size)
M: 297 × 210(A4 size) × depth n slices
S: 210 × 148(A5 size)

高さ (H)
奥行き (D)
幅 (W)

**③ Image prosessing**
· Provide CG image (till 2nd trial image free)

**④ Production starting**
Delivery date varies according to type, size and data handling method that you have chosen.
　　(EX) Takes about 2 weeks to a month for M size of S type

**⑤ Shipping**
Send by courier.

*We offer a variety of options for making a more effective model.*

**The option of material quality (Model S)**
You can choose from default to additional option
- Low reflection acrylic plate
(strong from dust and fingerprint)
- Glass plate

**Image processing options**
- Void extraction
- Region of interest
- Color adjustment and set semi-transparent

**Extra options**
· Carrying case
· Stand for the exhibition
· LED light
　(Offer all type of size)

**Processing options**
·Laser engraving (surface)
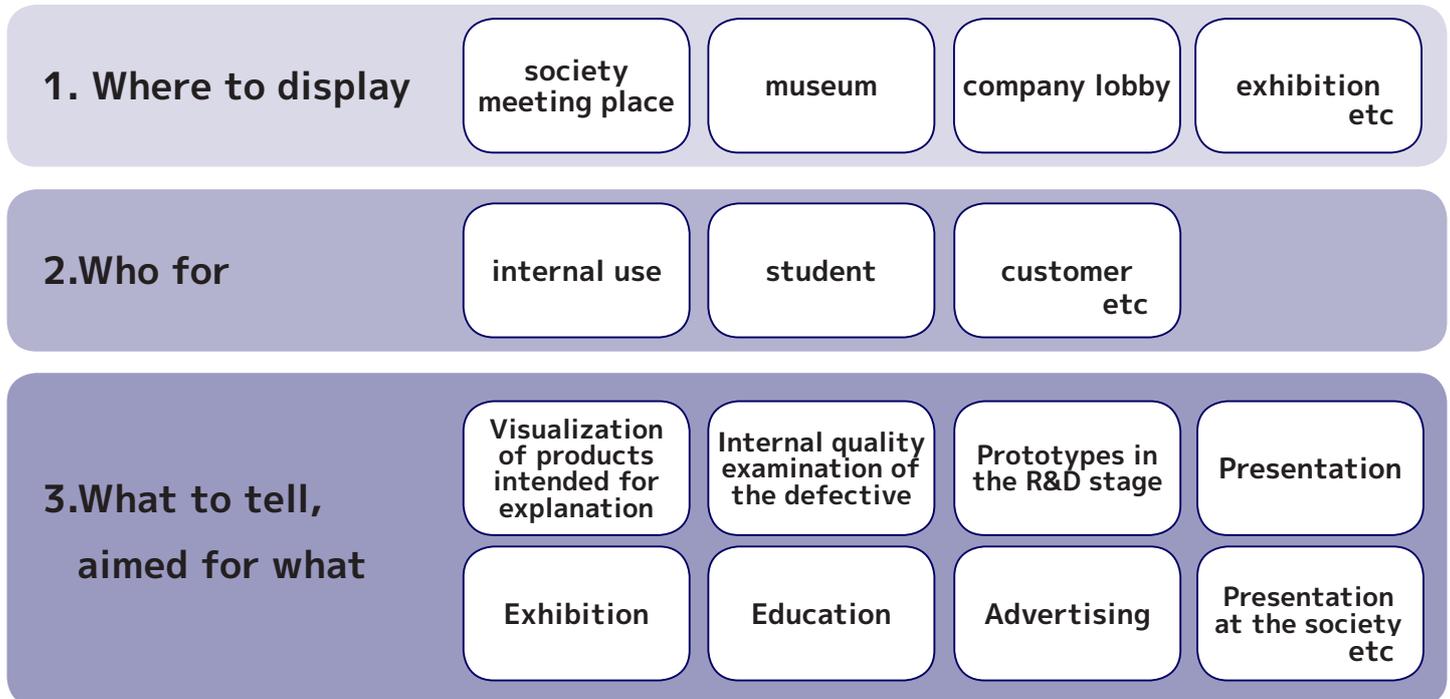· Laser cut
※ May not choose depending on the finished shape.

Please inquire for our product, the options of details, or cost to following contact information.

ExhiBits Contact Us

http://www.nvs.co.jp/ info@nvs.co.jp

# In order to obtain a superior exhibition effect

When you order, please let us know the details of usage. We offer a model that meets the customer's needs.

**1. Where to display**

| society meeting place | museum | company lobby | exhibition etc |

**2.Who for**

| internal use | student | customer etc |

**3.What to tell, aimed for what**

| Visualization of products intended for explanation | Internal quality examination of the defective | Prototypes in the R&D stage | Presentation |
| Exhibition | Education | Advertising | Presentation at the society etc |

Specification and release time may change without notice.Company and product name are registration of trademark.

**Nihon Visual Science, Inc.**

http://www.nvs.co.jp/ info@nvs.co.jp

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