Fine Expression Screen Printing Technology

FESP

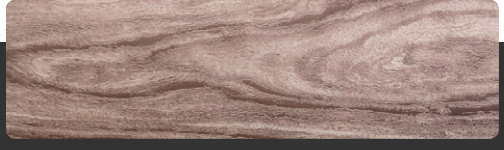
SANWA Sanwa Screen FESP

Achieving a design with depth

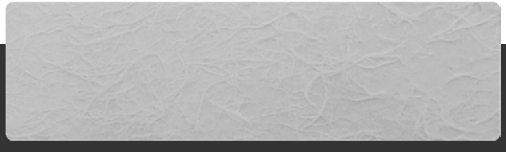
Material feel

High quality reproduction of various materials

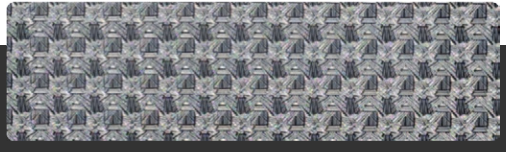
From natural to metal to gradient designs



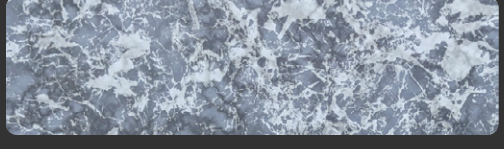
Wood grain



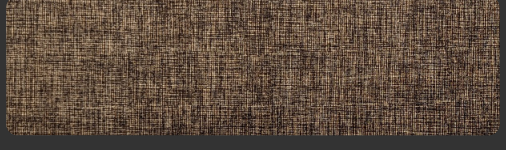
Japanese style “washi” paper



Metallic



Stone pattern



Fabric pattern

Geometric

Only achievable with screen printing

Color Expression

Authentic colors created through expert color matching by skilled technicians.

Original colors are meticulously blended by our technicians to give the design a variety of impressions.

Purplewood Ivory

Purplewood amber

Purplewood dark amber

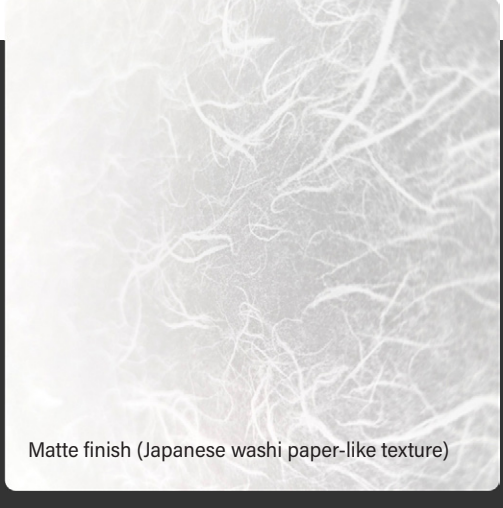
Realistic finish to match the material

Texture and feel

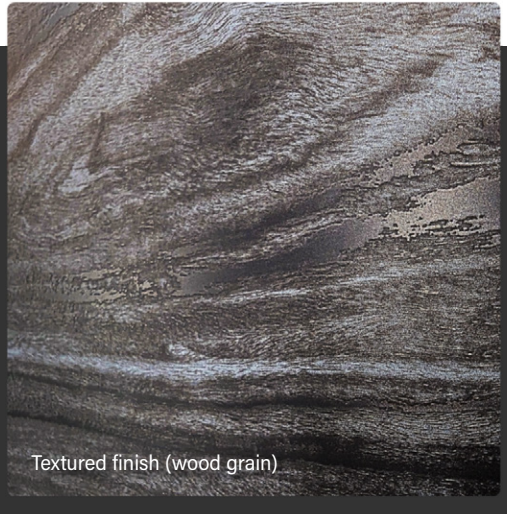
We propose the optimal texture and feel for each design.

We suggest the most suitable textures for each material, such as gloss, matte, and embossed finishes, to give your products a more sophisticated look.

Glossy finish (metallic look)



Matte finish (Japanese washi paper-like texture)



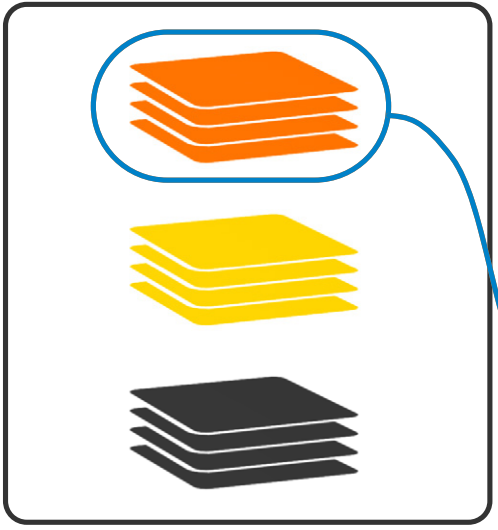
Textured finish (wood grain)

Compatible with various materials

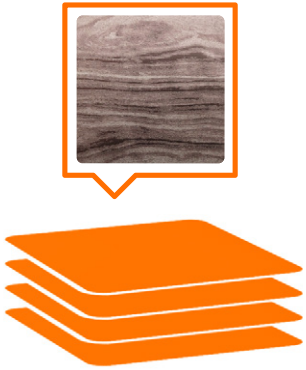
The diverse designs in our lineup can be printed on various resins and metals while maintaining their original texture according to your specifications.

Design

Material Sheet



Printing

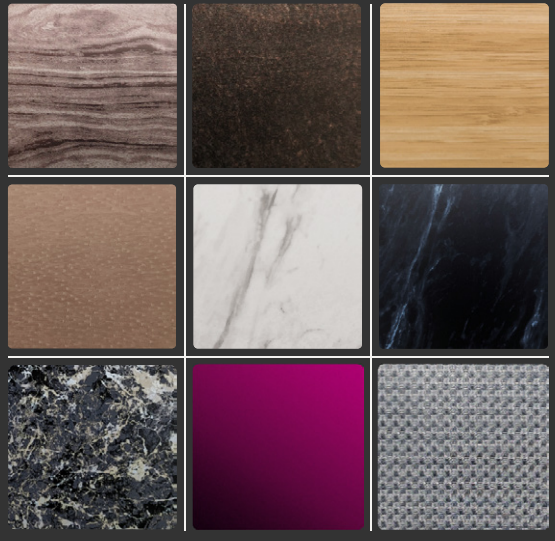


SANWA Sanwa Screen FESP

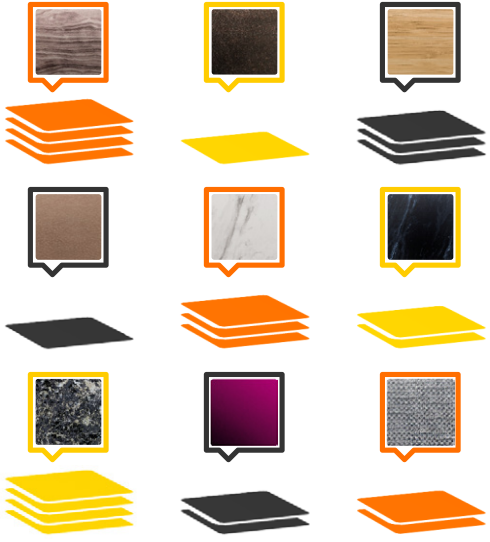
A production system that can handle a wide variety of products and small lots

Since production is done on a sheet-by-sheet basis, we can handle high-mix, low-volume production. This allows us to meet a wide range of customer needs.

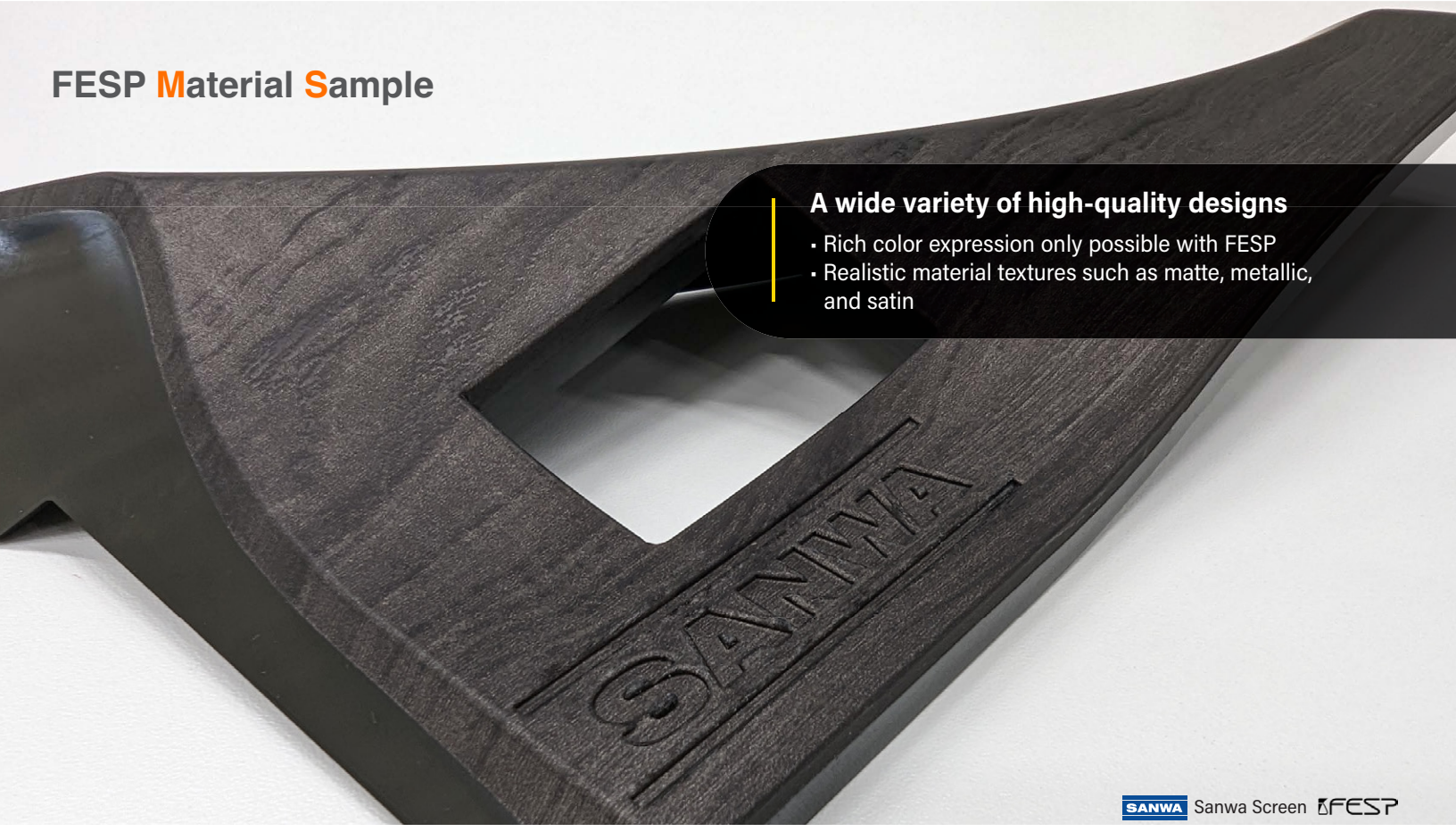
A wide variety of designs



Small lot production possible



FESP Material Sample



A wide variety of high-quality designs

- Rich color expression only possible with FESP
- Realistic material textures such as matte, metallic, and satin

Purple wood

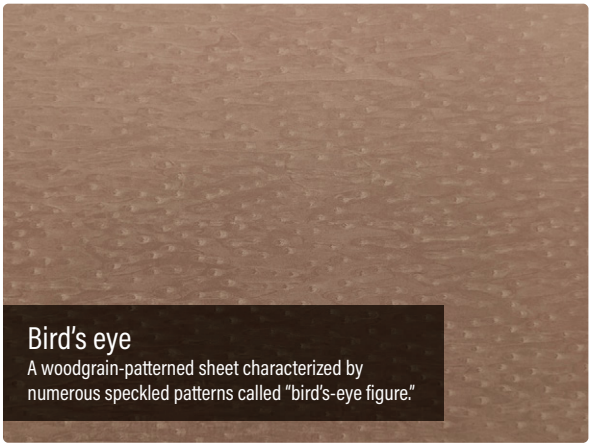
A wood-grain sheet characterized by its intricate and unique wood texture.

Sapele Mahogany

Wood-grain patterned sheet featuring unique mottled patterns and overlapping wood grain textures.

Bamboo

A wood grain-patterned sheet characterized by straight grain lines and contrasting knots.



Bird's eye

A woodgrain-patterned sheet characterized by numerous speckled patterns called "bird's-eye figure."

FESP Material Sample

Wood grain pattern

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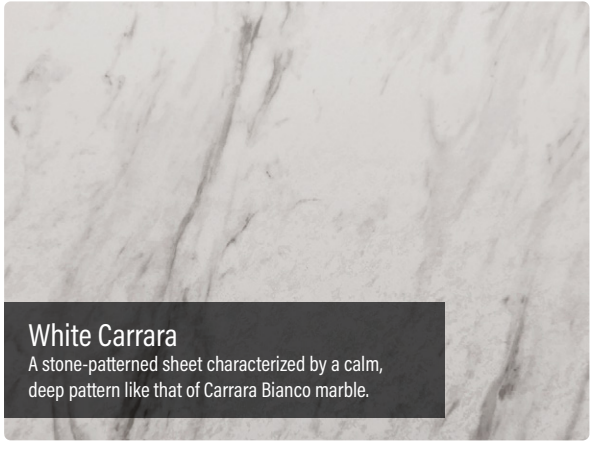
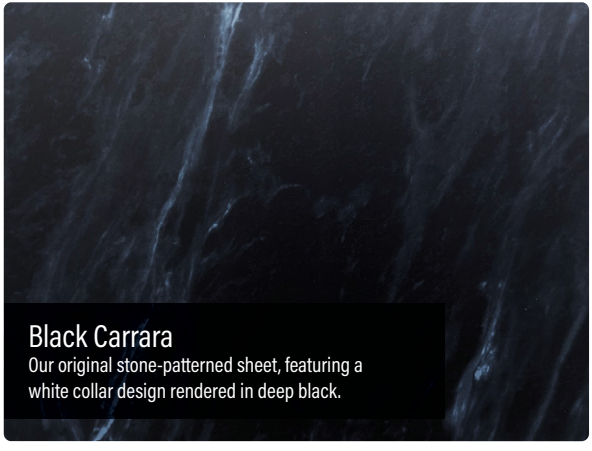


White Carrara

A stone-patterned sheet characterized by a calm, deep pattern like that of Carrara Bianco marble.



Black Carrara

Our original stone-patterned sheet, featuring a white collar design rendered in deep black.

White Baltish

This stone-patterned sheet is characterized by its rough texture and the overlapping patterns of various stone crystals.

Black Baltish

A stone-patterned sheet that adds a sense of calm and sophistication to the white Baltic design.

FESP Material Sample

Stone pattern

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Kraft paper
A Japanese paper-like sheet with a textured surface that creates a robust and sharp feel.

Unryu paper
A Japanese paper-like sheet with dynamic, cloud-like patterns that express the unique characteristics of washi paper.

Fabric
A fabric-like sheet that features an irregular mesh of threads, like denim fabric.

Linen
A luxurious fabric-like seat that captures the unique texture of linen fabric.

FESP Material Sample

Japanese washi paper
Fabric pattern

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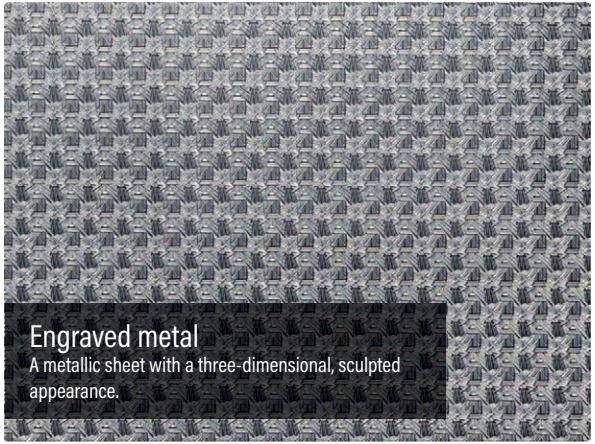
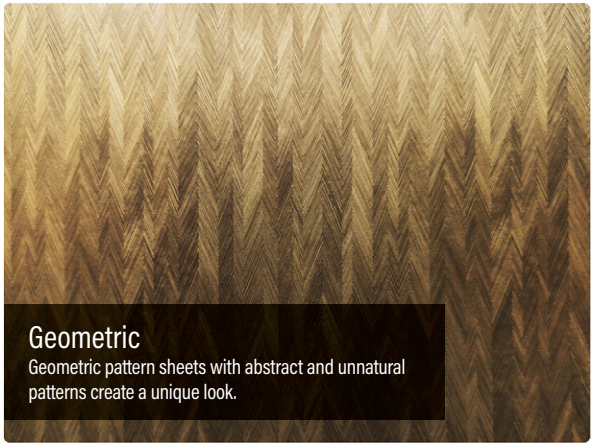
Gradation

Delicate gradient expressions made possible by FESP technology.



Engraved metal

A metallic sheet with a three-dimensional, sculpted appearance.



Geometric

Geometric pattern sheets with abstract and unnatural patterns create a unique look.

Combination

A combination seat featuring a special process that combines designs using different materials.

FESP Material Sample

Special processing

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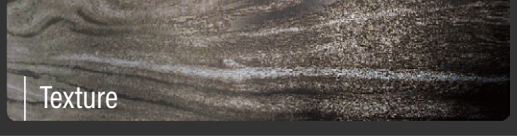
The Advantages of FESP

Molding that protects the texture

Our unique manufacturing method prevents damage to the texture of the design surface, which retains the texture sensation.

Purple wood-grain sheet



Texture

Molded product

Texture

A design that remains continuous even when divided

Even with decorative panels that are divided into separate parts, the design remains continuous without any noticeable inconsistencies.

CLOSED

OPEN

SANWA Sanwa Screen FESP

Supports transparency

The design of the operation icons and other elements can be displayed transparently while maintaining the high-quality design and surface texture. The transparent design is only visible when illuminated from behind, while the FESP design on the surface is normally visible.

IML

Questions? Contact us at
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info@ssa.sanwag.com

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FESP