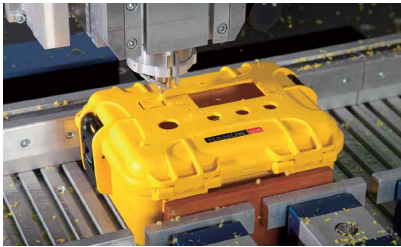


CNC Machining • Printing Service for Case

CNC Machining

■ CNC machining for your switch, connector, display and so on is possible from just 1 piece.



Printing Service

■ Digital inkjet printing, silkscreen printing and nameplate sticker printing is possible from just 1 piece.

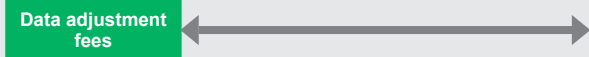
Low initial cost
No plate processing fee

Inkjet printing

Low printing cost for small quantities.

● Data adjustment fees may be charged again if significant changes are required on your repeat order.

● If the data in recommended format is provided

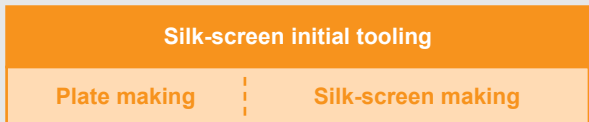


● Data or images other than recommended formats



Silk-screen initial tooling

Low printing cost for large quantity single color print.



Recommended data formats

PDF (.pdf -100%)		Vector file (.ai)		EPS (.eps)	
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Initial cost can be reduced with the recommended formats.



Able to Inkjet print on rigid urethane foam.

APPLICATION EXAMPLE



NSTP SERIES SHOULDER STRAP

■ Nylon shoulder strap with polyurethane pads to reduce fatigue when carrying.



Components

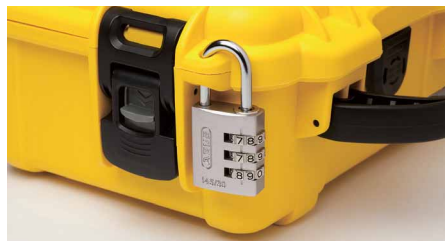
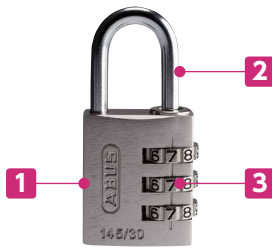
No.	Part name	Material
1	Belt	Nylon
2	Pad	Neoprene · Polyurethane
3	Hook	Steel (Black painted)

Product no. / Feature

Product no.	Weight (g)	Quantity
NSTP810	238	1

※Belt length can be adjustable from 810mm to 1,170mm
 ※Not applicable for NK903, NK904, NKK990, NK · NKK950 and NK · NKK960 models.

AB145S SERIES PADLOCK



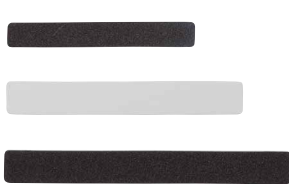
Components

No.	Part name	Material
1	Body	Aluminium
2	Shank	Steel
3	Dial	Zinc alloy

Product no. / Feature

Product no.	Weight (g)	Quantity
AB145S	52	1

NKST SERIES NAMEPLATE STICKER



Color nameplate can be performed by digital inkjet printing on a white plate.



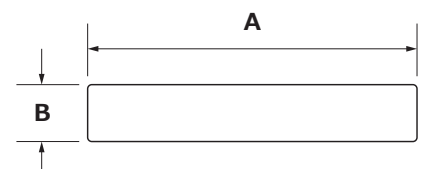
■ 0.3mm thick plastic nameplate with double sided tape on the back.

Custom name plate can be made with your company name, logo, product number or lot number with digital inkjet printing.

■ Digital inkjet print or silkscreen is possible from just 1 piece.

Product no. / Dimensions

Product no.		Suitable case	Dimensions		Quantity
● Black	● White		A	B	
NKST-1B	NKST-1W	NANO SERIES	50	6.8	1
NKST-2B	NKST-2W	NK903, 904	62.7	9.1	1
NKST-3B	NKST-3W	NK/NKK905 ~ 960	76.1	9.1	1

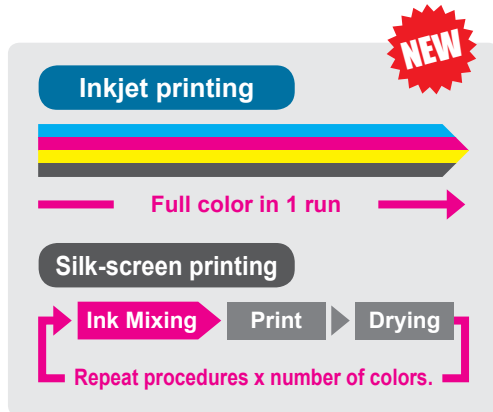


Inkjet Printing

Inkjet Printing

FEATURE 1 Full color printing

Full color digitally designed image can be printed in 1 run.
No cost difference regardless of the number of colors used.



Low printing cost

Full color print possible in small quantities

Printed example



Inkjet printing 1 run only for full color print

Printing cost
Full color

Silk-screen printing Printing cost x number of colors

Printing cost
Color 1

Printing cost
Color 2

Printing cost
Color 3

Printing cost
Color 4

High quality printing of photo image and color gradation.

Print photo images in maximum 1,800 x 1,800 dpi quality.
Pictures, logos and unique designs with color gradation can be recreated in a high quality print.



Printed example



FEATURE 2 Low initial cost

Reason

1

Initial cost

No plate processing fee

Inkjet printing

Low printing cost for small quantities.

● Data adjustment fees may be charged again if significant changes are required on your repeat order.

● If the data in recommended format is provided

Data adjustment fees

● Data or images other than recommended formats

Data creation fees +
Data adjustment fees

Silk-screen initial tooling

Low printing cost for large quantity single color print.

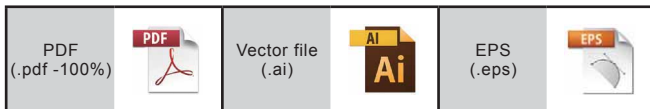
Silk-screen initial tooling

Plate making

Silk-screen making



Recommended data formats



Initial cost can be reduced with the recommended formats.

FEATURE 3 Shorter lead time due to no plate making

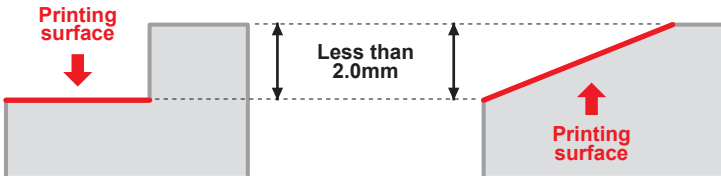
Skipping the plate making process reduces the total lead time required for the printing process.

FEATURE 4

Printable on surfaces with height differential

Printing is possible on recessed, sloped and rounded sections.

- Gap difference is less than 2.0mm.



Max. printable dimensions

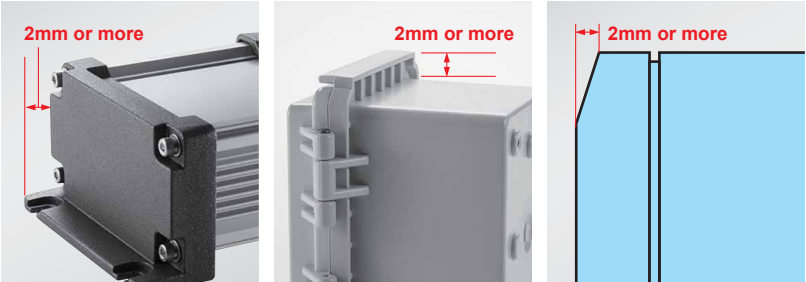


Printable material and surface finish

Material	Finish	Example		
Plastic	Plastic			
Aluminium	Painted			
Steel	Painted			
Stainless Steel	Painted			

Material	Finish	Example	Requirement
Aluminium	Anodized		Primer coating

● Non-printable material, surface finish and construction

Material	Finish	
Aluminium	Unfinished aluminium	
	Unfinished aluminium diecast	
Silicone	Silicone	
Others	Height difference is 2mm or more.	

● Print / Lettering comparison chart

Contents		Method	Inkjet printing	Silk-screen printing	Engraving
Design	Color gradation		◎	×	×
	Photo images		◎	×	×
	Multi color		◎	○	△
	Color separation		◎	×	×
	Font		All fonts	All fonts	Limited Similar to VAG Rounded
	Fine text		◎	As small as 1.5mm height	As small as 1.5mm height
Size & Shape	Height difference		◎ (Less than 2.0mm)	△	◎
	Rounded Section		◎ (Less than 2.0mm)	×	×
	Sloped section		◎ (Less than 2.0mm)	△	◎
	Largest printable dimension	3D		W 594 x D 420 x H270 mm	W 1,000 x D 1,000 x H 1,000 mm
2D			W 594 x D 420 mm	W 1,000 x D 1,000 mm	W 600 x D 300 mm
Cost	1 pc		◎	△	○
	Up to 10 pcs		◎	▲	▲
	Up to 50 pcs		○	○	△
	51 pcs or more	Single color		▲	◎
Multi color			◎	▲	
Quality	Weatherability		◎	○	▲
	Friction resistance		▲	○	◎
Lead time			◎	▲ (New order) ○ (Repeat)	○

◎ : Excellent ○ : Good ▲ : Average △ : Fair × : Impossible

Silk-screen Printing

Silk-screen Printing

What is silk-screen printing?

It is a stencil method of printmaking in which a design is imposed on a screen of silk or other fine mesh, with blank areas coated with an impermeable substance, and ink forced through the mesh onto the printing surface.

Feature

- Cost effective for a large batch single color print
- A variety of custom designs and texts can be printed
- Color type can be adjusted as per your requirements even for small batch orders



Silk-screen printing process

Data Creation



Customer data confirmation

Manuscript

Block copy preparation

Plate manufacture

Ink formulation

Printing

*required information
■ logo mark ■ placement
■ color ■ font
■ text

data creation from customer's original data file

Upon confirmation, the data will be used in the manufacturing of the print plate

Ink formulation will be based on customer's requirements.

Printing will commence

Engraving

Engraving

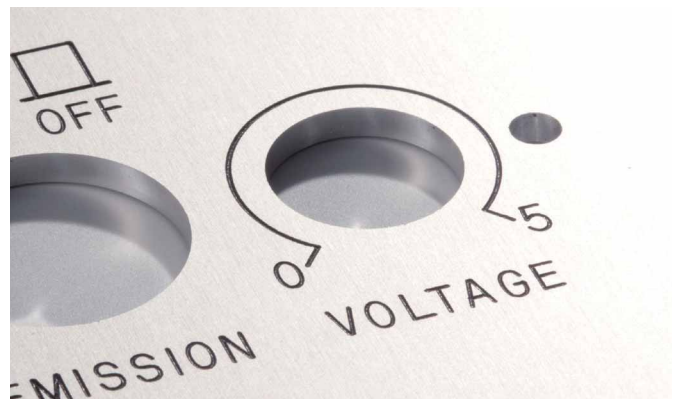
By having the drill-head slightly milling the surface, the engraving of fine text or complex designs is able to be performed on a variety of surfaces, be it flat, curved, and so on.

Suitable for small batch print, and/or simple lettering. Font shall be similar to VAG Rounded font type.



Engraving manuscript

○Text positioning ○Text dimensions ○Color
Font shall be similar to "VAG Rounded" font type.
Kindly inquire for text, logo engraving feasibility.



Best displayed if the area will be oiled.

Because of its small lot printing, initial cost would be kept to a minimum.