



UrbanDhagaa

**COMPLETE MERCH
PRINTING REFERENCE**

T-shirt

Screen Printing



How it works

Ink is pushed through a mesh stencil onto the product.

Best use

Bulk apparel, totes, paper bags, simple bottle graphics

Why choose it

Excellent at volume; durable; strong solid colors

Watch-out

Setup per color; less efficient for tiny multi-color runs

DTF - Direct to Film



How it works

Artwork is printed to film, powdered with adhesive, cured and heat pressed.

Best use

Cotton/poly/blends; tees, polos, totes; short-medium runs

Why choose it

Versatile fabrics; vibrant full color; low setup

Watch-out

Transfer layer is more noticeable than DTG

DTG - Direct to Garment



How it works

Water-based ink is digitally jetted directly into a pretreated garment.

Best use

Detailed cotton T-shirts; short runs; photos/gradients

Why choose it

Soft feel; high detail; no screens

Watch-out

Best on cotton-rich garments; slower for bulk

Dye Sublimation



How it works

Heat converts dye to gas so it permanently bonds into polyester/polymer coating.

Best use

Polyester polos, lanyards, wristbands, mouse/desk mats, coated mugs

Why choose it

Permanent, breathable, photo-quality

Watch-out

Requires polyester/polymer coating; best on light bases

Embroidery



How it works

Digitized artwork is stitched into fabric using thread.

Best use

Caps, polos, hoodies, laptop bags, premium logos

Why choose it

Premium and durable; high perceived value

Watch-out

Not suitable for photographic detail or huge filled areas

Puff Printing



How it works

Special ink expands under heat to create a raised 3D print.

Best use

T-shirts, sweatshirts and hoodies with bold lettering/logos

Why choose it

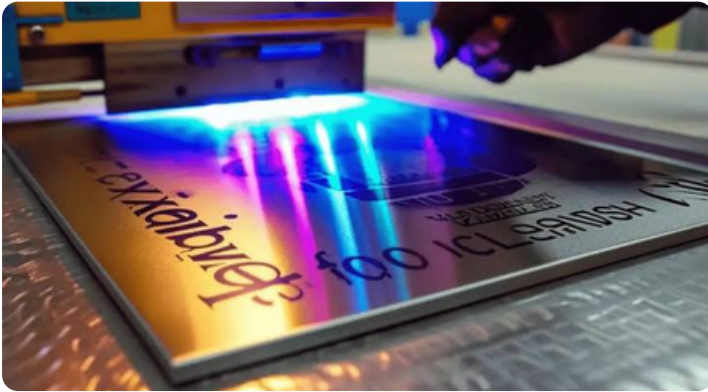
High-impact tactile finish

Watch-out

Fine detail is limited; needs controlled curing

Notebook

UV Printing



How it works

UV-curable ink is printed directly on a rigid surface and cured instantly.

Best use

Pens, diaries, notebooks, bottles, mugs, keychains, mobile stands

Why choose it

Full color; sharp detail; broad hard-surface compatibility

Watch-out

Adhesion depends on substrate/primer and product geometry

Full Color / Digital Printing



How it works

Digital CMYK printing reproduces multi-color graphics without separate screens.

Best use

Notebooks, notepads, stickers, labels, ID cards, badges

Why choose it

Excellent detail; variable designs; economical short runs

Watch-out

Exact process varies by substrate; durability depends on media/lamination

Notepad

Full Color / Digital Printing



How it works

Digital CMYK printing reproduces multi-color graphics without separate screens.

Best use

Notebooks, notepads, stickers, labels, ID cards, badges

Why choose it

Excellent detail; variable designs; economical short runs

Watch-out

Exact process varies by substrate; durability depends on media/lamination

Ball pen

Laser Engraving



How it works

A focused laser removes or changes the surface to create a permanent mark.

Best use

Metal pens, steel bottles, metal/wood keychains, metal badges

Why choose it

Permanent, premium, no ink to peel

UV Printing



How it works

UV-curable ink is printed directly on a rigid surface and cured instantly.

Best use

Pens, diaries, notebooks, bottles, mugs, keychains, mobile stands

Why choose it

Full color; sharp detail; broad hard-surface compatibility

Watch-out

Adhesion depends on substrate/primer and product geometry

Screen Printing



How it works

Ink is pushed through a mesh stencil onto the product.

Best use

Bulk apparel, totes, paper bags, simple bottle graphics

Why choose it

Excellent at volume; durable; strong solid colors

Watch-out

Setup per color; less efficient for tiny multi-color runs

Diary

Debossing



How it works

A die presses artwork below the material surface.

Best use

PU-leather diaries, premium covers, leather-like gifts

Why choose it

Subtle premium finish; no ink required

Watch-out

Works best on compressible materials; limited color expression

Foil Printing



How it works

Heat and pressure transfer metallic or pigmented foil to the surface.

Best use

Premium diaries, covers, packaging and stationery

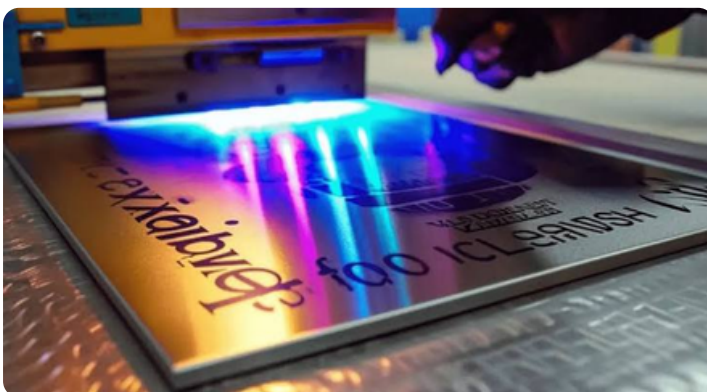
Why choose it

Luxury metallic finish; strong visual contrast

Watch-out

Artwork and surface must suit stamping; setup die may be needed

UV Printing



How it works

UV-curable ink is printed directly on a rigid surface and cured instantly.

Best use

Pens, diaries, notebooks, bottles, mugs, keychains, mobile stands

Why choose it

Full color; sharp detail; broad hard-surface compatibility

Watch-out

Adhesion depends on substrate/primer and product geometry

Screen Printing



How it works

Ink is pushed through a mesh stencil onto the product.

Best use

Bulk apparel, totes, paper bags, simple bottle graphics

Why choose it

Excellent at volume; durable; strong solid colors

Watch-out

Setup per color; less efficient for tiny multi-color runs

Key Chain

Laser Engraving



How it works

A focused laser removes or changes the surface to create a permanent mark.

Best use

Metal pens, steel bottles, metal/wood keychains, metal badges

Why choose it

Permanent, premium, no ink to peel

Watch-out

Usually tonal/monochrome; substrate controls appearance

UV Printing



How it works

UV-curable ink is printed directly on a rigid surface and cured instantly.

Best use

Pens, diaries, notebooks, bottles, mugs, keychains, mobile stands

Why choose it

Full color; sharp detail; broad hard-surface compatibility

Watch-out

Adhesion depends on substrate/primer and product geometry

Water Bottle

Laser Engraving



How it works

A focused laser removes or changes the surface to create a permanent mark.

Best use

Metal pens, steel bottles, metal/wood keychains, metal badges

Why choose it

Permanent, premium, no ink to peel

Watch-out

Usually tonal/monochrome; substrate controls appearance

UV Printing



How it works

UV-curable ink is printed directly on a rigid surface and cured instantly.

Best use

Pens, diaries, notebooks, bottles, mugs, keychains, mobile stands

Why choose it

Full color; sharp detail; broad hard-surface compatibility

Watch-out

Adhesion depends on substrate/primer and product geometry

Screen Printing



How it works

Ink is pushed through a mesh stencil onto the product.

Best use

Bulk apparel, totes, paper bags, simple bottle graphics

Why choose it

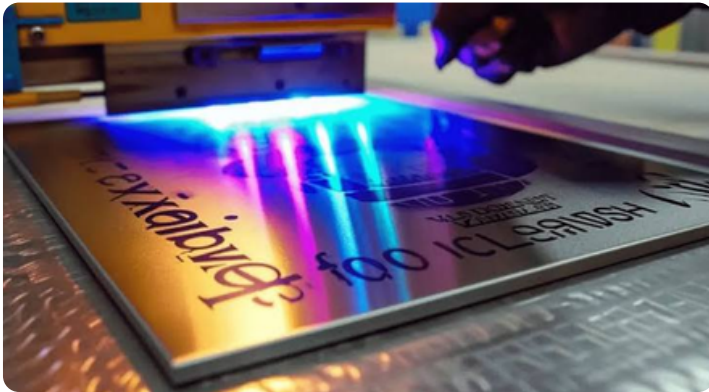
Excellent at volume; durable; strong solid colors

Watch-out

Setup per color; less efficient for tiny multi-color runs

Coffee Mug

UV Printing



How it works

UV-curable ink is printed directly on a rigid surface and cured instantly.

Best use

Pens, diaries, notebooks, bottles, mugs, keychains, mobile stands

Why choose it

Full color; sharp detail; broad hard-surface compatibility

Watch-out

Adhesion depends on substrate/primer and product geometry

Dye Sublimation



How it works

Heat converts dye to gas so it permanently bonds into polyester/polymer coating.

Best use

Polyester polos, lanyards, wristbands, mouse/desk mats, coated mugs

Why choose it

Permanent, breathable, photo-quality

Watch-out

Requires polyester/polymer coating; best on light bases

ID Card

Full Color / Digital Printing



How it works

Digital CMYK printing reproduces multi-color graphics without separate screens.

Best use

Notebooks, notepads, stickers, labels, ID cards, badges

Why choose it

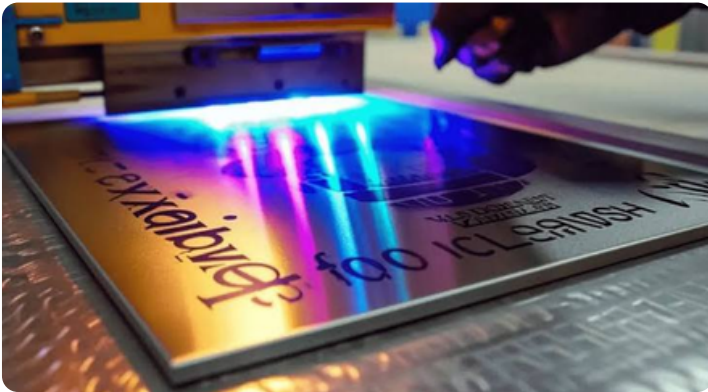
Excellent detail; variable designs; economical short runs

Watch-out

Exact process varies by substrate; durability depends on media/lamination

Sipper Bottle

UV Printing



How it works

UV-curable ink is printed directly on a rigid surface and cured instantly.

Best use

Pens, diaries, notebooks, bottles, mugs, keychains, mobile stands

Why choose it

Full color; sharp detail; broad hard-surface compatibility

Watch-out

Adhesion depends on substrate/primer and product geometry

Screen Printing



How it works

Ink is pushed through a mesh stencil onto the product.

Best use

Bulk apparel, totes, paper bags, simple bottle graphics

Why choose it

Excellent at volume; durable; strong solid colors

Watch-out

Setup per color; less efficient for tiny multi-color runs

Labels

Full Color / Digital Printing



How it works

Digital CMYK printing reproduces multi-color graphics without separate screens.

Best use

Notebooks, notepads, stickers, labels, ID cards, badges

Why choose it

Excellent detail; variable designs; economical short runs

Watch-out

Exact process varies by substrate; durability depends on media/lamination

Wrist Band

Debossing



How it works

A die presses artwork below the material surface.

Best use

PU-leather diaries, premium covers, leather-like gifts

Why choose it

Subtle premium finish; no ink required

Watch-out

Works best on compressible materials; limited color expression

Embossing



How it works

Pressure forms a raised design above the surface.

Best use

Wristbands, paper/board packaging, premium stationery

Why choose it

Tactile, premium, durable

Watch-out

Best for simpler shapes and suitable substrates

Dye Sublimation



How it works

Heat converts dye to gas so it permanently bonds into polyester/polymer coating.

Best use

Polyester polos, lanyards, wristbands, mouse/desk mats, coated mugs

Why choose it

Permanent, breathable, photo-quality

Watch-out

Requires polyester/polymer coating; best on light bases

Tote Bag

Screen Printing



How it works

Ink is pushed through a mesh stencil onto the product.

Best use

Bulk apparel, totes, paper bags, simple bottle graphics

Why choose it

Excellent at volume; durable; strong solid colors

Watch-out

Setup per color; less efficient for tiny multi-color runs

DTF - Direct to Film



How it works

Artwork is printed to film, powdered with adhesive, cured and heat pressed.

Best use

Cotton/poly/blends; tees, polos, totes; short-medium runs

Why choose it

Versatile fabrics; vibrant full color; low setup

Watch-out

Transfer layer is more noticeable than DTG

Embroidery



How it works

Digitized artwork is stitched into fabric using thread.

Best use

Caps, polos, hoodies, laptop bags, premium logos

Why choose it

Premium and durable; high perceived value

Watch-out

Not suitable for photographic detail or huge filled areas

Lanyard

Screen Printing



How it works

Ink is pushed through a mesh stencil onto the product.

Best use

Bulk apparel, totes, paper bags, simple bottle graphics

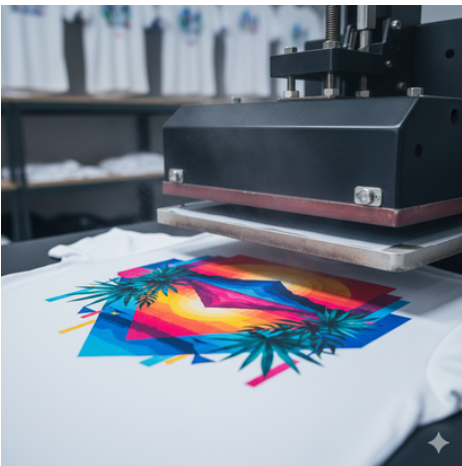
Why choose it

Excellent at volume; durable; strong solid colors

Watch-out

Setup per color; less efficient for tiny multi-color runs

Dye Sublimation



How it works

Heat converts dye to gas so it permanently bonds into polyester/polymer coating.

Best use

Polyester polos, lanyards, wristbands, mouse/desk mats, coated mugs

Why choose it

Permanent, breathable, photo-quality

Watch-out

Requires polyester/polymer coating; best on light bases

Mouse Pad

Dye Sublimation



How it works

Heat converts dye to gas so it permanently bonds into polyester/polymer coating.

Best use

Polyester polos, lanyards, wristbands, mouse/desk mats, coated mugs

Why choose it

Permanent, breathable, photo-quality

Watch-out

Requires polyester/polymer coating; best on light bases

Paper Bag

Screen Printing



How it works

Ink is pushed through a mesh stencil onto the product.

Best use

Bulk apparel, totes, paper bags, simple bottle graphics

Why choose it

Excellent at volume; durable; strong solid colors

Watch-out

Setup per color; less efficient for tiny multi-color runs

Offset Printing



How it works

Ink transfers from plate to blanket cylinder and then to paper.

Best use

Paper bags, inserts, high-volume paper packaging

Why choose it

Excellent print consistency and unit cost at scale

Watch-out

Plate setup makes it less attractive for small runs

Gift Box

Custom / Complete Branding



How it works

A product-specific combination of print, engraving, labels, packaging and finishing.

Best use

Gift boxes, welcome kits, corporate hampers

Why choose it

Allows coordinated multi-product brand systems

Watch-out

Requires BOM-level planning and vendor/process coordination

Drawstring Bag

Screen Printing



How it works

Ink is pushed through a mesh stencil onto the product.

Best use

Bulk apparel, totes, paper bags, simple bottle graphics

Why choose it

Excellent at volume; durable; strong solid colors

Watch-out

Setup per color; less efficient for tiny multi-color runs

Dye Sublimation



How it works

Heat converts dye to gas so it permanently bonds into polyester/polymer coating.

Best use

Polyester polos, lanyards, wristbands, mouse/desk mats, coated mugs

Why choose it

Permanent, breathable, photo-quality

Watch-out

Requires polyester/polymer coating; best on light bases

Desk Mat

Dye Sublimation



How it works

Heat converts dye to gas so it permanently bonds into polyester/polymer coating.

Best use

Polyester polos, lanyards, wristbands, mouse/desk mats, coated mugs

Why choose it

Permanent, breathable, photo-quality

Watch-out

Requires polyester/polymer coating; best on light bases

Laptop Bag

Screen Printing



How it works

Ink is pushed through a mesh stencil onto the product.

Best use

Bulk apparel, totes, paper bags, simple bottle graphics

Why choose it

Excellent at volume; durable; strong solid colors

Watch-out

Setup per color; less efficient for tiny multi-color runs

Embroidery



How it works

Digitized artwork is stitched into fabric using thread.

Best use

Caps, polos, hoodies, laptop bags, premium logos

Why choose it

Premium and durable; high perceived value

Watch-out

Not suitable for photographic detail or huge filled areas

Metal Badge

Laser Engraving



How it works

A focused laser removes or changes the surface to create a permanent mark.

Best use

Metal pens, steel bottles, metal/wood keychains, metal badges

Why choose it

Permanent, premium, no ink to peel

Watch-out

Usually tonal/monochrome; substrate controls appearance

Cap

Screen Printing



How it works

Ink is pushed through a mesh stencil onto the product.

Best use

Bulk apparel, totes, paper bags, simple bottle graphics

Why choose it

Excellent at volume; durable; strong solid colors

Watch-out

Setup per color; less efficient for tiny multi-color runs

Embroidery



How it works

Digitized artwork is stitched into fabric using thread.

Best use

Caps, polos, hoodies, laptop bags, premium logos

Why choose it

Premium and durable; high perceived value

Sticker

Full Color / Digital Printing



How it works

Digital CMYK printing reproduces multi-color graphics without separate screens.

Best use

Notebooks, notepads, stickers, labels, ID cards, badges

Why choose it

Excellent detail; variable designs; economical short runs

Watch-out

Exact process varies by substrate; durability depends on media/lamination

Corporate Gift Hamper

Custom / Complete Branding



How it works

A product-specific combination of print, engraving, labels, packaging and finishing.

Best use

Gift boxes, welcome kits, corporate hampers

Why choose it

Allows coordinated multi-product brand systems

Watch-out

Requires BOM-level planning and vendor/process coordination

Welcome Kit

Custom / Complete Branding



How it works

A product-specific combination of print, engraving, labels, packaging and finishing.

Best use

Gift boxes, welcome kits, corporate hampers

Why choose it

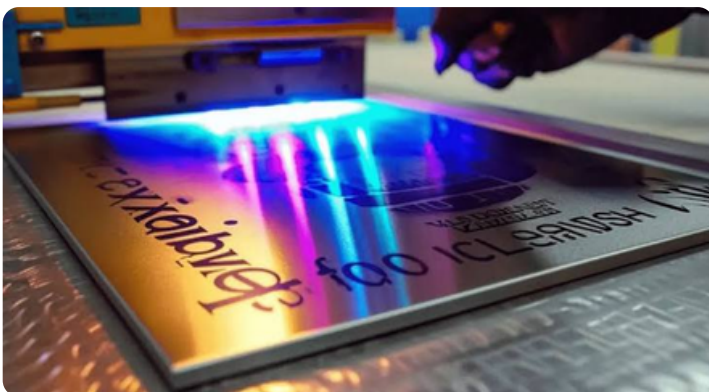
Allows coordinated multi-product brand systems

Watch-out

Requires BOM-level planning and vendor/process coordination

Mobile Stand

UV Printing



How it works

UV-curable ink is printed directly on a rigid surface and cured instantly.

Best use

Pens, diaries, notebooks, bottles, mugs, keychains, mobile stands

Why choose it

Full color; sharp detail; broad hard-surface compatibility

Watch-out

Adhesion depends on substrate/primer and product geometry

Button Badge

Full Color / Digital Printing



How it works

Digital CMYK printing reproduces multi-color graphics without separate screens.

Best use

Notebooks, notepads, stickers, labels, ID cards, badges

Why choose it

Excellent detail; variable designs; economical short runs

Watch-out

Exact process varies by substrate; durability depends on media/lamination

Apparel catalog + best method

Category / Product	Fabric + GSM	Available methods	Recommended default
Round Neck Half Sleeve T-Shirts XS-XXL	100% Cotton 160, 180, 200, 210 GSM Bio-washed, Pre-shrunk	Screen, Puff, DTF, DTG, Embroidery	Screen for bulk; DTF for flexible short-medium runs; DTG for detailed cotton art; puff for statement graphics
Oversized T-Shirt T-Shirts S-XXL	100% Cotton 180, 210, 240 GSM Bio-washed, Pre-shrunk	Screen, Puff, DTF, DTG, Embroidery	Screen/puff for streetwear graphics; DTF/DTG for detailed designs
Full Sleeve T-Shirt T-Shirts XS-XXL	100% Cotton 160, 180, 200, 210 GSM Bio-washed, Pre-shrunk	Screen, Puff, DTF, DTG, Embroidery	Screen for bulk; DTF/DTG for complex designs; embroidery for small chest marks
Cotton Polo Polo T-Shirts XS-XXL	Cotton Pique 200-240 GSM Bio-washed	Embroidery, Screen Print, DTF	Embroidery for premium chest logo; screen/DTF for larger graphics
PC Polo Polo T-Shirts XS-XXL	Poly-Cotton 200-240 GSM Bio-washed	Embroidery, Screen Print	Embroidery for premium logo; screen for bulk simple branding
Poly Matty Polo Polo T-Shirts XS-XXL	Polyester Matty 200-240 GSM Moisture Wicking	Sublimation, Screen Print	Sublimation for sports/full-color; screen for simple logos
Sweatshirt Winter Wear S-XXL	Cotton Fleece / French Terry 280, 320, 350 GSM Pre-shrunk	Puff, Screen, Embroidery	Screen for bulk graphics; puff for raised designs; embroidery for premium marks
Hoodie Winter Wear S-XXL	Cotton Fleece 280, 320, 350, 400+ GSM Pre-shrunk	Puff, Screen, Embroidery	Screen for large graphics; puff for raised streetwear; embroidery for premium chest/sleeve logos

Merchandise catalog + best method

Product	Variants / material	Catalog branding	Recommended default
Ball Pen Writing Accessories	Plastic, Premium, Metal ABS Plastic, Aluminium, Stainless Steel	UV Print, Screen Print, Laser Engraving	UV for full color; laser for premium metal; screen/pad for simple bulk logos
Diary Stationery	A5, A6, Executive, Hardcover, Spiral PU Leather, Hardcover, Paper	UV Print, Foil Print, Debossing, Screen Print	Foil/deboss for premium PU covers; UV for full-color branding; screen for simple bulk logos
Notebook Stationery	Spiral, Soft Cover, Hardcover Paper	Full Color Print, UV Print	Full-color digital for artwork-heavy covers; UV when cover material supports direct printing
Notepad Stationery	A4, A5, Pocket Paper	Full Color Printing	Full-color digital/offset depending run size
Water Bottle Drinkware	Steel, Copper, Vacuum, Sports Stainless Steel, Copper, Plastic	Laser Engraving, UV Print, Screen Print	Laser for premium steel; UV for full color; screen for simple high-volume logos
CoffeeMug Drinkware	Ceramic, Magic Mug, Steel Mug Ceramic, Stainless Steel	Sublimation, UV Print	Sublimation for coated ceramic/photo designs; UV for specialty surfaces
SipperBottle Drinkware	Sports, Gym, Insulated Plastic, Steel	UV Print, Screen Print	UV for detailed color; screen for simple bulk branding
Keychain Accessories	Metal, Acrylic, Wooden, Leather Stainless Steel, Acrylic, MDF, PU Leather	Laser Engraving, UV Print	Laser for metal/wood; UV for acrylic/full color
Stickers Branding Materials	Die-Cut, Kiss-Cut, Holographic	Full Color Printing	Full-color digital printing

Merchandise catalog + best method

Product	Variants / material	Catalog branding	Recommended default
Labels Branding Materials	Product Label, Barcode, QR Label Vinyl, Paper	Full Color Printing	Full-color digital printing; choose stock/adhesive by application
ID Card Identity Products	PVC, Smart Card PVC	Full Color Printing	Full-color digital card printing
Lanyard Identity Products	Plain, Woven, Sublimation Polyester	Screen Print, Sublimation	Sublimation for edge-to-edge multi-color; screen for simple logos
Mouse Pad Office Accessories	Standard, XL, Gaming Rubber + Fabric	Sublimation Printing	Sublimation
Desk Mat Office Accessories	XL, Premium Rubber + Fabric	Sublimation Printing	Sublimation
Tote Bag Bags	Canvas, Cotton Cotton Canvas	Screen Print, DTF, Embroidery	Screen for bulk; DTF for detailed short runs; embroidery for small premium marks
Drawstring Bag Bags	Sports, Casual Polyester, Cotton	Screen Print, Sublimation	Sublimation on polyester; screen for simple bulk branding
Laptop Bag Bags	Office, Premium Polyester, PU Leather	Embroidery, Screen Print	Embroidery for premium logo; screen where panel/fabric permits
Cap Headwear	Baseball, Snapback, Trucker Cotton, Polyester	Embroidery, Screen Print	Embroidery is primary; screen only on suitable flat panels

Merchandise catalog + best method

Product	Variants / material	Catalogbranding	Recommended default
Wrist Band Wearables	Silicone, Fabric Silicone, Polyester	Print, Deboss, Emboss, Sublimation	Deboss/emboss for silicone; sublimation for polyester fabric bands
Button Badge Badges	44mm, 58mm Metal	Full Color Printing	Full-color digital printed insert
Metal Badge Badges	Premium Stainless Steel	Laser Engraving	Laser engraving for permanent tonal branding
Enamel Badge Badges	Soft Enamel, Hard Enamel Zinc Alloy	Custom Design	Custom enamel manufacturing rather than surface printing
Paper Bag Packaging	Small, Medium, Large Kraft Paper	Screen Print, Offset Print	Offset for large paper runs; screen for smaller/simple logo runs
Gift Box Packaging	Premium, Corporate Corrugated Board	Custom Printing	Custom printing + foil/emboss/deboss as premium finishing options
Mobile Stand Tech Accessories	Foldable ABS Plastic, Metal	UV Print	UV for full-color direct branding; laser can suit some metal variants
Welcome Kit Event Merchandise	Custom Mixed Products	Complete Branding	Mixed process by component; define a branding BOM
Corporate Gift Hamper Event Merchandise	Custom Mixed Products	Complete Branding	Mixed process by component + coordinated packaging