INK FUSION

USER GUIDE · 2026 EDITION

GANG SHEET BUILDER

How to upload your artwork, set sizes and quantities, pack a sheet, and order. Every button explained with real screenshots.

inkfusiondtf.com.au/gang-sheet-builder



WHAT'S IN THIS GUIDE

Work through it top to bottom the first time. After that, jump to the section you need.

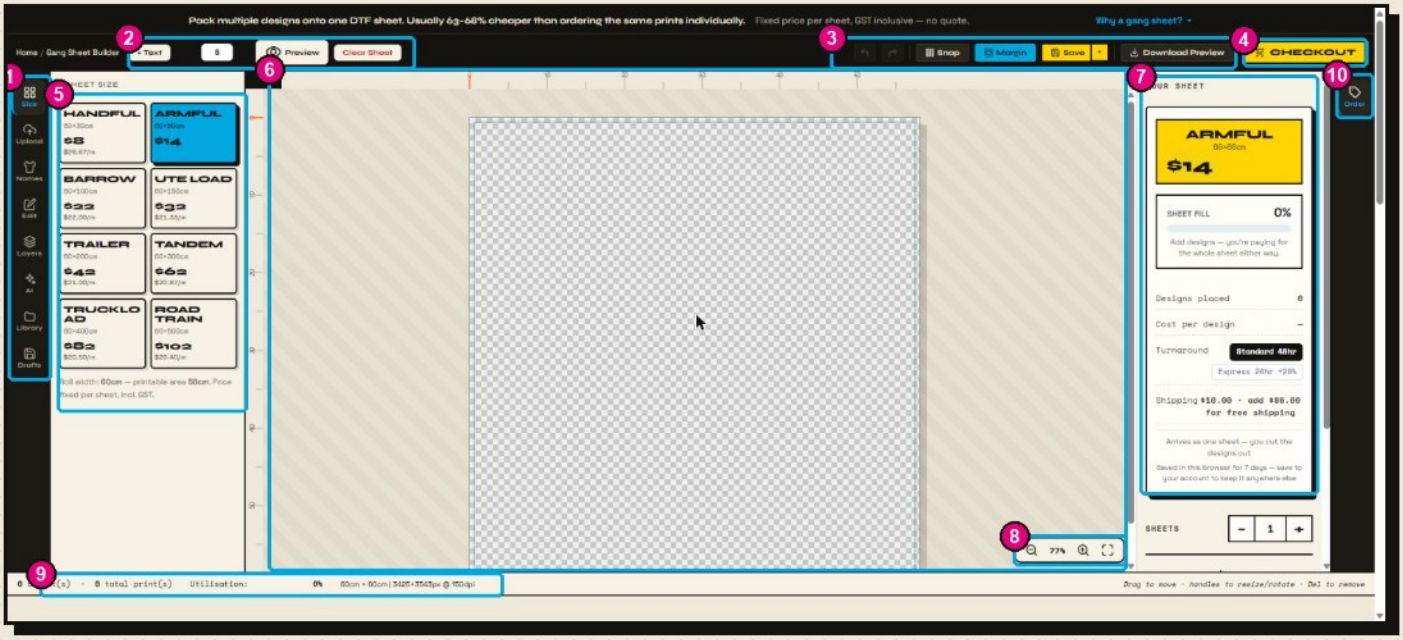
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BEFORE YOU START

Have your artwork ready as PNG files with a transparent background, at 300 dpi or more at the size you want to print. The builder checks every file and tells you if it's print-ready.

THE BUILDER AT A GLANCE

Open `inkfusiondtf.com.au/gang-sheet-builder`. Everything happens on one screen.

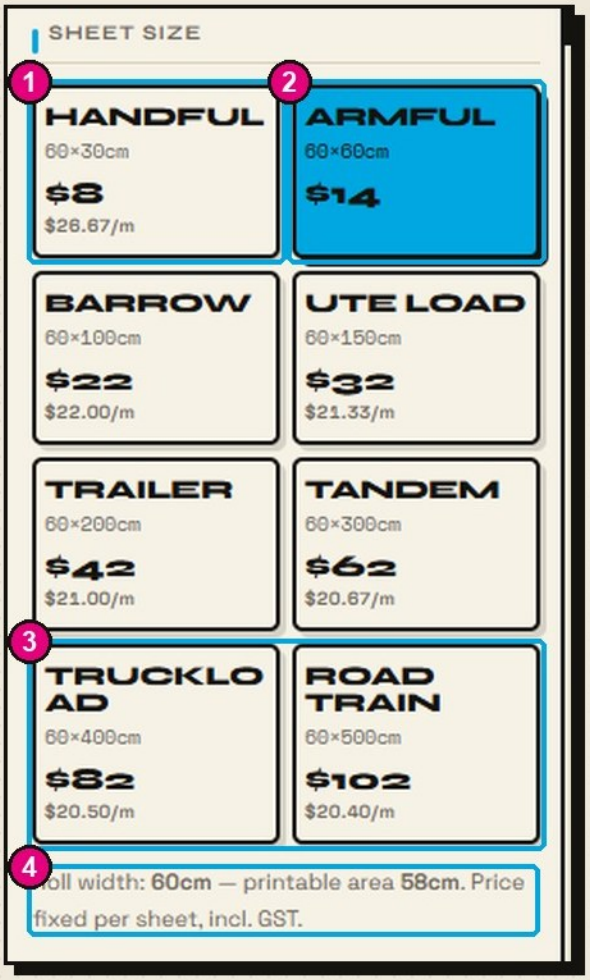


1. **Side tabs.** Size, Upload, Names, Edit, Layers, AI, Library, Drafts. Each opens a panel on the left.
2. **Toolbar, left.** + Text adds a text tile. The number box is the Gap between designs (6 is about 4 mm on the printed sheet). Preview opens a full-screen view. Clear Sheet empties the canvas.
3. **Toolbar, right.** Undo, Redo, Snap to grid, Margin (shows the safe-area line), Save as a draft, Download Preview.
4. **Checkout.** Takes you to the cart once your sheet has been added.
5. **Panel.** The contents change with the tab you picked.
6. **Canvas.** Your sheet, with cm rulers. Drag designs to move them, use the handles to resize or rotate, press Delete to remove one.
7. **Your Sheet.** Live price, sheet fill, cost per design, turnaround, shipping and the Add to Cart button.
8. **Zoom.** Zoom out, zoom level, zoom in, fit to screen.
9. **Status bar.** Objects on the sheet, total prints, utilisation, sheet size in cm and pixels at 150 dpi.
10. **Order tab.** Shows or hides the Your Sheet panel.

STEP 1

CHOOSE YOUR SHEET SIZE

Click **Size** in the side tabs. Every sheet is 60 cm wide; you choose the length. The price is fixed per sheet and includes GST.



1. **Size card.** Each card shows the name, the size in cm, the sheet price and what that works out to per metre.
2. **Selected size.** The blue card is the one on the canvas. Click any other card to change it. Your designs stay where they are.
3. **Longer sheets.** Truckload (4 m) and Road Train (5 m) are the cheapest per metre for big runs.
4. **Printable area.** The roll is 60 cm wide but the printable area is 58 cm, so the builder keeps a 1 cm margin on each side.

WHICH SIZE?

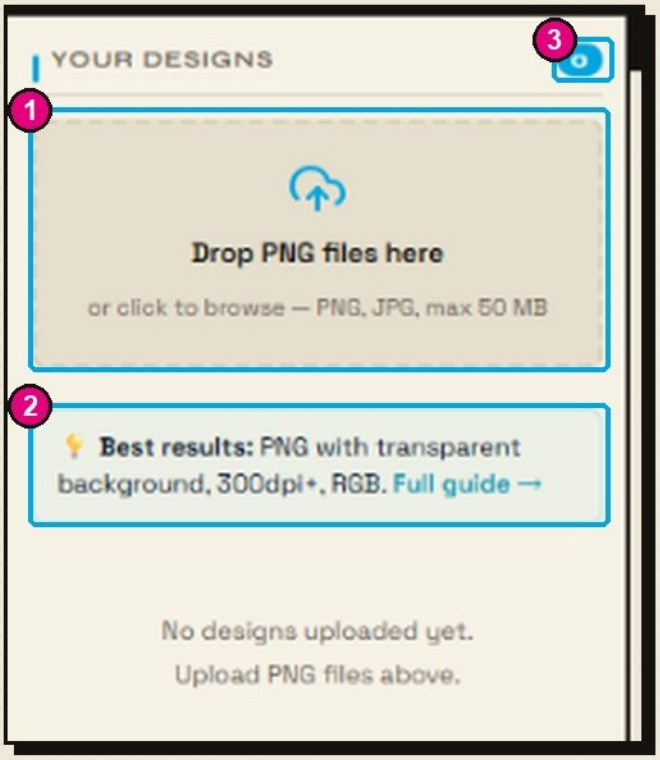
Not sure yet? Pick **Armful (60 × 60)** and start adding designs. If they don't all fit, the builder tells you which size to move up to (see Step 4). You can change size at any time without losing your layout.

Rule of thumb: a 60 × 100 Barrow fits about five 28 × 35 cm full prints, or about sixty 9 cm chest logos.

STEP 2

UPLOAD YOUR ARTWORK

Click **Upload** in the side tabs. You can upload one file or many at once; each one becomes a design card.



1. **Drop zone.** Drag PNG or JPG files here, or click it to browse your computer or phone. Up to 50 MB per file. Select several files in the browse window to upload them together.
2. **Best results tip.** Transparent PNG, 300 dpi or more, RGB colour. The **Full guide** link opens our artwork guidelines.
3. **Counter.** How many designs you have uploaded in this session.

What makes a file print-ready

Transparent background. A PNG with a transparent background prints only your design. A white or coloured background prints as a solid block. If your file has a background, use **Remove BG** on the card (next page).

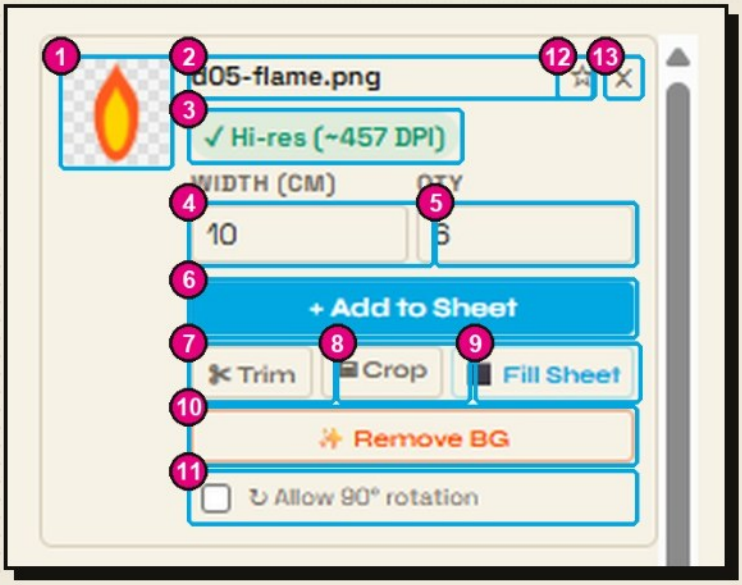
Resolution. The card shows the dpi your file will give at the width you type. Green *Hi-res* means it's sharp. If it warns you, either print it smaller or send us a bigger file.

Colour. Save in RGB. CMYK files are converted and may shift slightly.

UPLOADING MANY FILES
Upload everything first, then set the width and quantity on each card, then press Pack the Sheet. Your uploads stay in the panel until you remove them, even after you clear the sheet.

THE DESIGN CARD, BUTTON BY BUTTON

Every uploaded file gets a card like this. This is where you set the print size and how many copies you want.



1. **Thumbnail.** A preview of the file on a transparency checkerboard, so you can see whether the background is clear.
2. **File name.**
3. **Quality check.** The dpi this file gives at the width you've typed. Green = print-ready. It updates as you change the width.
4. **Width (cm).** The finished print width on the garment. Height follows automatically to keep the proportions.
5. **Qty.** How many copies of this design you want on the sheet.
6. **+ Add to Sheet.** Manual option: places that many copies on the canvas straight away. You don't need it for the normal workflow, where **Pack the Sheet** reads every card and places everything at once (Step 3).
7. **Trim.** Removes empty transparent space around the edges of the file so copies pack tighter.
8. **Crop.** Opens a crop window. Drag across the artwork to keep only part of it. Applies to every copy of this design.
9. **Fill Sheet.** Fills all the remaining space on the sheet with copies of this design.
10. **Remove BG.** Removes a white or plain background using AI. It runs in your browser; nothing is uploaded anywhere.
11. **Allow 90° rotation.** Lets Pack the Sheet turn this design sideways when that fits more copies in.
12. **Star.** Saves the design to your Library so you can reuse it on another order.
13. **×.** Removes the card. Copies already on the sheet stay there.

THE TWO BOXES THAT MATTER

For a normal order you only touch **Width (cm)** and **Qty** on each card, then press **Pack the Sheet**. Everything else on the card is optional clean-up.

Typical print widths: left-chest logo 7 to 10 cm · sleeve 6 to 8 cm · back-neck label 5 to 7 cm · standard front or back 25 to 30 cm · oversized front up to 35 cm. Width is measured across the design itself, not the shirt.

STEP 3

SET WIDTH AND QUANTITY, THEN PACK THE SHEET

This is the whole job. One artwork or twenty, the steps are the same.



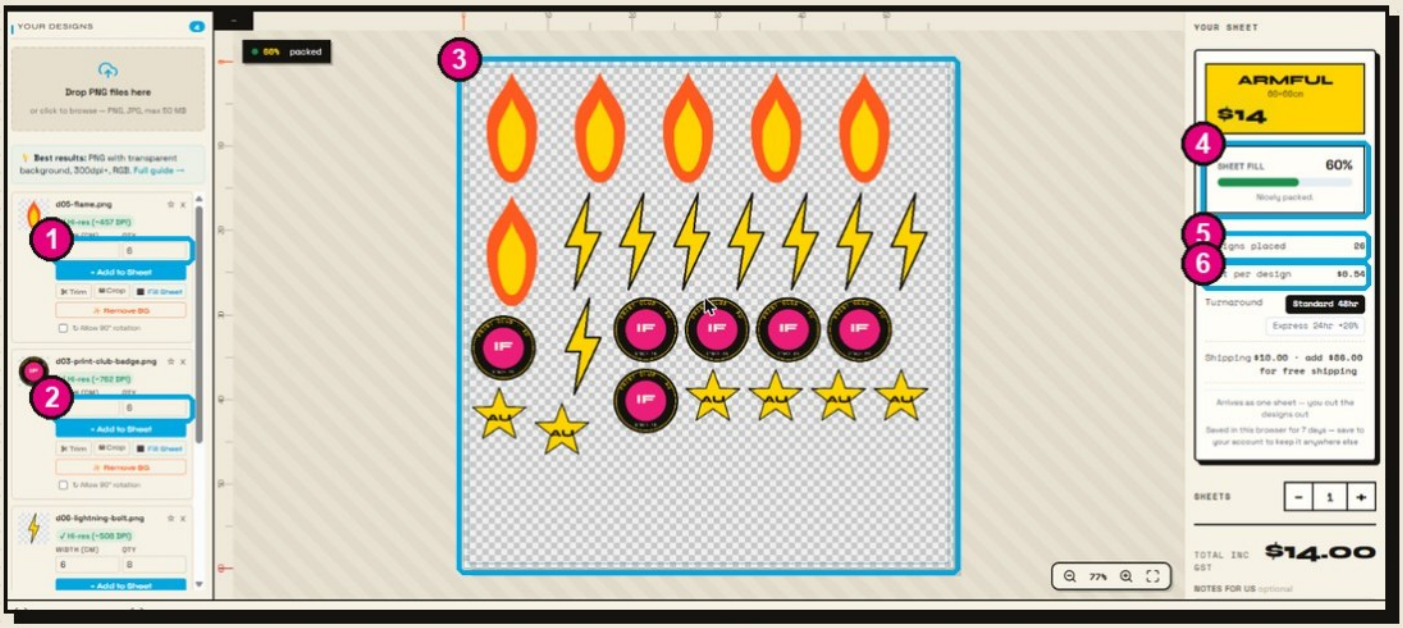
1. **On every card, type the Width (cm)** you want that design printed at.
2. **Type the Qty**, how many copies of that design you want.

Then scroll the Your Sheet panel down and press ↘ **Pack the Sheet**. The builder reads every card and lays all the copies out on the sheet, as tightly as it can, in one go.

One artwork, 20 copies: one card, width and 20. Four artworks with different counts: four cards, each with its own width and quantity. Same button.

EXAMPLE USED BELOW
Flame 10 cm × 6 · Badge 8 cm × 6 · Bolt 6 cm × 8 · Star 7 cm × 6, on an Armful 60 × 60 sheet.

What you see after Pack the Sheet

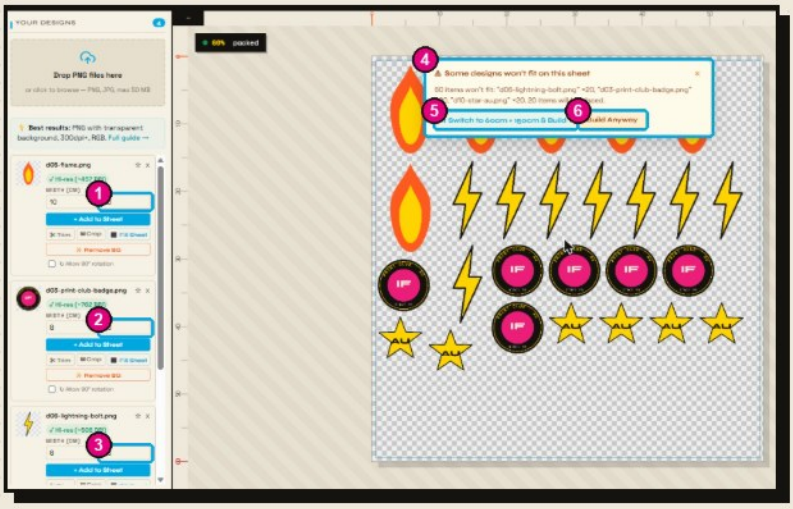


1. **Flame card:** 10 cm, 6 copies.
2. **Badge card:** 8 cm, 6 copies. The bolt and star cards are below.
3. **The sheet.** All 26 copies placed and nested together. You did not drag anything.
4. **Sheet fill 60%.** "Nicely packed."
5. **Designs placed 26.** Matches the quantities on the cards.
6. **Cost per design $0.54.** $14 sheet ÷ 26. The price to watch.

STEP 4

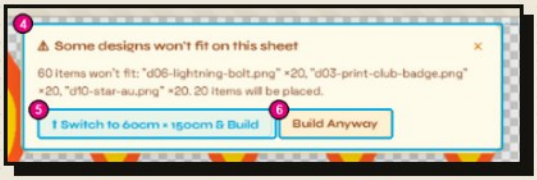
IF IT DOESN'T FIT, THE BUILDER PICKS THE SHEET

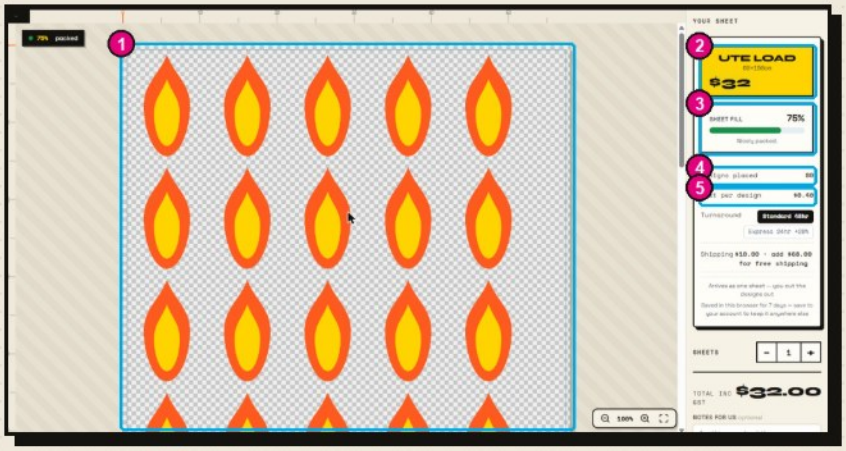
You don't have to work out the sheet size. Ask for the quantities you want and Pack the Sheet tells you which sheet holds them all.



Same four designs, but now **20 copies of each**, 80 in total, on the Armful sheet.

1. **Flame** Qty 20.
2. **Badge** Qty 20.
3. **Bolt** Qty 20. The star card below is also 20.
4. **"Some designs won't fit on this sheet."** The builder says exactly what is left over: *60 items won't fit: bolt ×20, badge ×20, star ×20. 20 items will be placed.*
5. **Switch to 60 cm × 150 cm & Build.** The builder has already worked out the smallest sheet that fits everything. One click changes the sheet and packs all 80.
6. **Build Anyway.** Keep the current sheet and place only what fits (here, 20). Use this when you would rather order a second sheet or cut the quantity.





1. **After Switch & Build:** the sheet is now 150 cm long and every copy is on it.
2. **Ute Load, 60 × 150 cm, $32.** Chosen by the builder.
3. **Sheet fill 75%.**
4. **Designs placed 80.** All of them.
5. **Cost per design $0.40.** Cheaper per print than the 26 on Armful.

BEFORE YOU PACK: SET THE GAP BETWEEN DESIGNS

The **Gap** is the space the builder leaves between designs when it packs them, so you can cut them apart. It applies to every design on the sheet. **Changing the number does nothing on its own: press Pack the Sheet to apply it.**

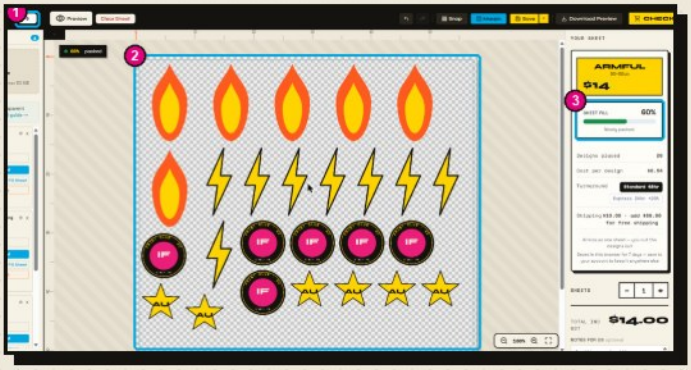
Where it is

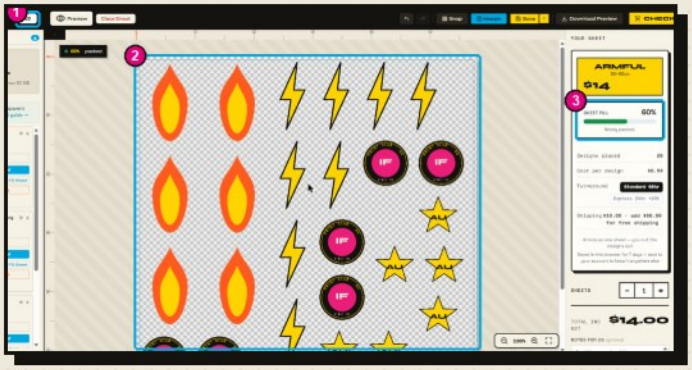
The small number box in the toolbar, between **+ Text** and **Preview**. The number sets the gap on the printed sheet, the same on a phone or a computer: **6 is about 4 mm**, 2 about 1.5 mm, 12 about 8.5 mm, 20 about 14 mm.



1. **Default is 6.** Enough to cut between prints with scissors.
2. **To change it:** click the box, type a number, press Enter, then press **Pack the Sheet**. Every time you change the gap, press Pack the Sheet again to see the effect.

The same 26 designs packed with a gap of 6 and of 20





1. **Gap box** reads 6 on the left, 20 on the right.
2. **The sheet.** At 6 (about 4 mm) the designs sit close together. At 20 (about 14 mm) there is clear film between every design, easier to cut but the sheet fills up sooner.
3. **Sheet fill** is the same 60% here because the fill counts design area only. A bigger gap means fewer designs will fit as you add more.

Allow 90° rotation

Also set before you pack. Tick **Allow 90° rotation** on a design's card if you don't mind that design being turned sideways on the film. Tall designs pack much tighter rotated, so more fit on the sheet. The print itself is unchanged.

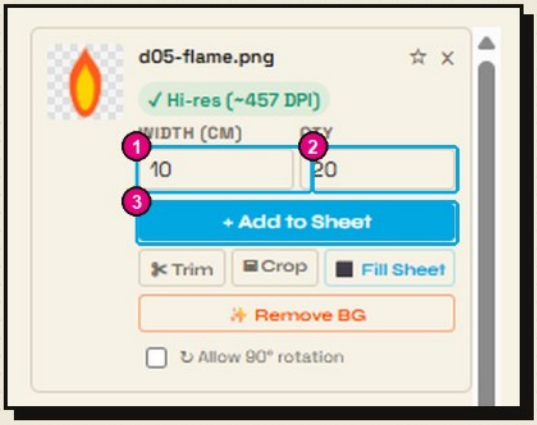
Changed something? Pack again

New quantity, new file, new gap, new sheet size, or you moved something by hand: press **Pack the Sheet** again. It re-reads every card and re-lays the sheet. Designs you have **locked** in the Edit panel stay put.

WHERE IS PACK THE SHEET?
At the bottom of the Your Sheet panel on the right, directly above Add to Cart. Scroll the panel down if you can't see it.

MANUAL PLACEMENT: ADD TO SHEET, FILL SHEET, DRAG

You don't need these for a normal order, but they are there when you want control over where things go.

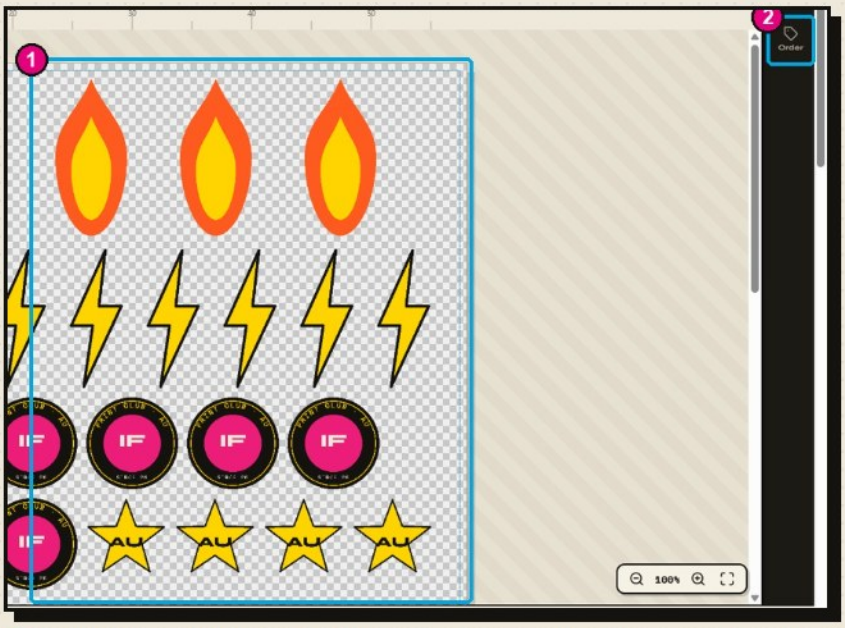


On the design card

1. **Width (cm)** and
2. **Qty** work exactly as before.
3. **+ Add to Sheet** places that card's copies on the canvas immediately, below whatever is already there, without re-arranging the rest. Each card you add starts a new row, so the layout is looser than Pack the Sheet. Press Pack the Sheet afterwards to tighten it.

Fill Sheet keeps adding copies of that one design until no more fit. Good for "as many as you can get on a $14 sheet".

Changing the sheet size yourself

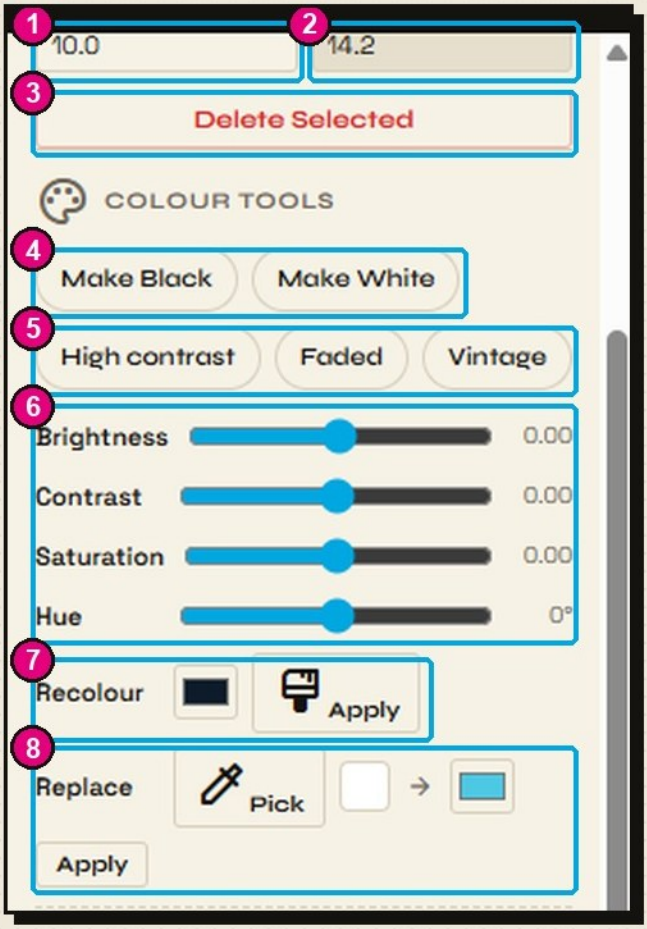


1. **Click Size and pick any card.** Your designs stay where they are and the sheet gets longer or shorter under them. Here 26 designs sit in the top part of a 60 × 100 Barrow with room below.
2. **Order tab.** If the Your Sheet panel is hidden, click Order to bring it back.

Drag and drop. Any design on the canvas can be dragged, resized with the corner handles or rotated with the top handle. Snap keeps rows aligned. Press Delete to remove the selected copy. Then Pack the Sheet if you want everything tidied around it, or Lock it first to keep it in place.

EDITING A DESIGN ON THE SHEET

Click any design on the canvas and the **Edit** panel opens for it. Drag it to move, pull a corner handle to resize, or use the controls below for exact values.

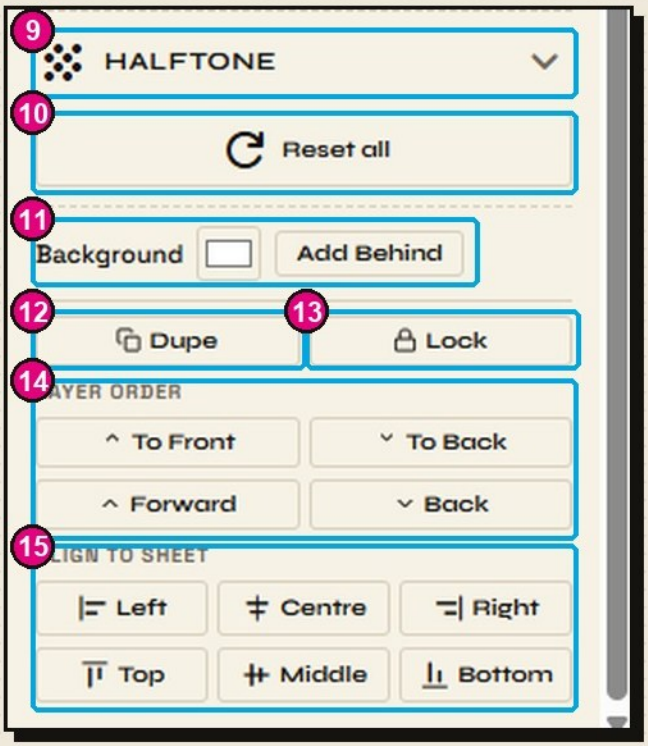


At the top of the panel you'll see the file name and a **Print-ready** badge with the dpi at the current size. Scale the design and watch it change.

1. **Width (cm).** Type an exact width. Height updates to match.
2. **Height (cm).** Read-only; follows the width.
3. **Delete Selected.** Removes this copy only. Delete key does the same.
4. **Make Black / Make White.** Turns the whole design solid black or solid white. Handy for one-colour logos on light or dark garments.
5. **High contrast / Faded / Vintage.** One-click looks.
6. **Brightness, Contrast, Saturation, Hue.** Drag the sliders to fine-tune colour.
7. **Recolour.** Pick a colour and Apply to tint the whole design.
8. **Replace.** Click Pick, click a colour inside the design, choose the new colour, Apply. Swaps just that colour.

EDITING, CONTINUED

Scroll the Edit panel down for layering, duplicating and alignment.



9. **Halftone.** Opens dot-pattern effects: Comic, Newsprint, Pop, Retro or Custom. Good for photos on dark garments.
10. **Reset all.** Puts every colour setting back to the original file.
11. **Background / Add Behind.** Adds a solid colour block behind the design, for example a white box behind a logo.
12. **Dupe.** Makes one more copy next to this one.
13. **Lock.** Pins the design so it can't be moved or packed by accident.
14. **Layer order.** To Front, To Back, Forward, Back: which design sits on top when two overlap.
15. **Align to sheet.** Left, Centre, Right, Top, Middle, Bottom: snaps the design to that edge or centre line of the sheet.

HANDLES ON THE CANVAS

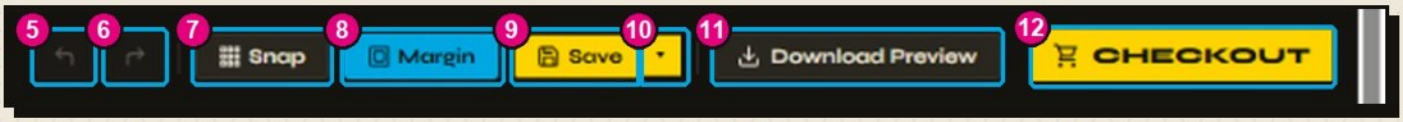
Corner handles resize in proportion. The top handle rotates. The size tag above the design shows the live cm size, and the green Print-ready pill turns amber if you've enlarged it past its resolution.

Keyboard: Delete removes the selected design · Ctrl+Z undo · Ctrl+Y redo · arrow keys nudge.

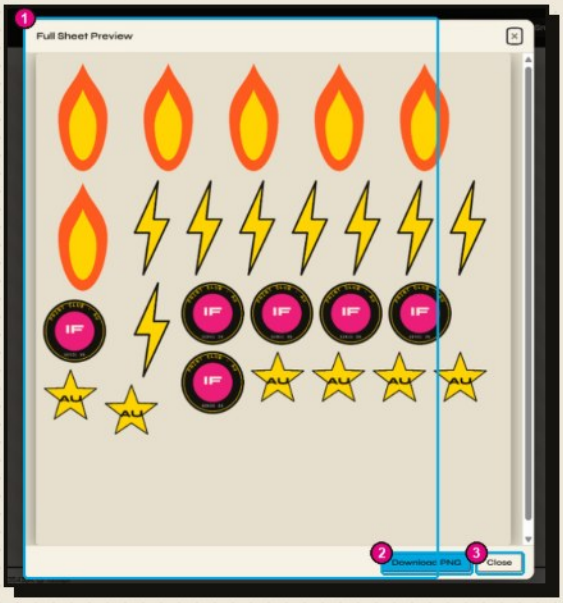
THE TOOLBAR



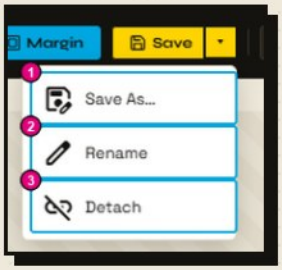
1. **+ Text.** Adds a text tile to the sheet and opens its options: font, size, colour, bold, italic. Good for names, numbers or a slogan without making a file.
2. **Gap (px).** Space the packer leaves between designs. Default 6.
3. **Preview.** Full-screen view of the sheet with a Download PNG button.
4. **Clear Sheet.** Removes everything from the canvas. Your uploads stay in the Upload panel.



5. **Undo.** Ctrl+Z.
6. **Redo.** Ctrl+Y.
7. **Snap.** Designs snap to a grid as you drag them, so rows line up.
8. **Margin.** Shows the dashed safe-area line. Keep artwork inside it.
9. **Save.** Saves the sheet as a draft to your account. Sign in first to keep it across devices.
10. **Save menu (▾).** Save As (a copy under a new name), Rename, Detach (stop linking to the saved draft).
11. **Download Preview.** Downloads a PNG of the whole sheet to send to a customer or keep for your records.
12. **Checkout.** Goes to your cart.



Preview window. 1 the sheet · 2 Download PNG · 3 Close.

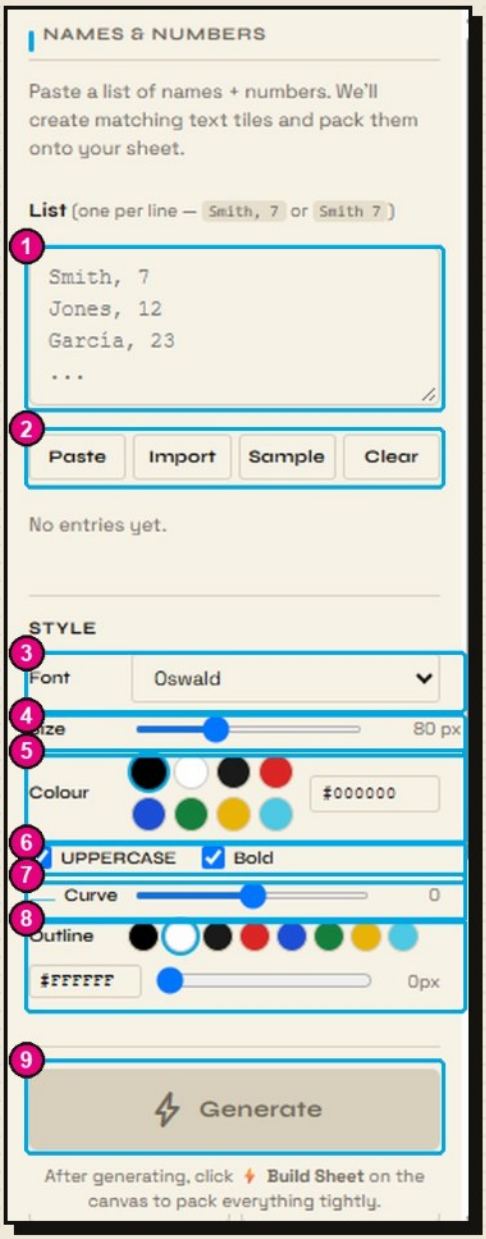


Save menu. 1 Save As · 2 Rename · 3 Detach.



Crop window (from the design card). 1 drag across the part to keep · 2 Cancel · 3 Crop. The crop applies to every copy on the sheet.

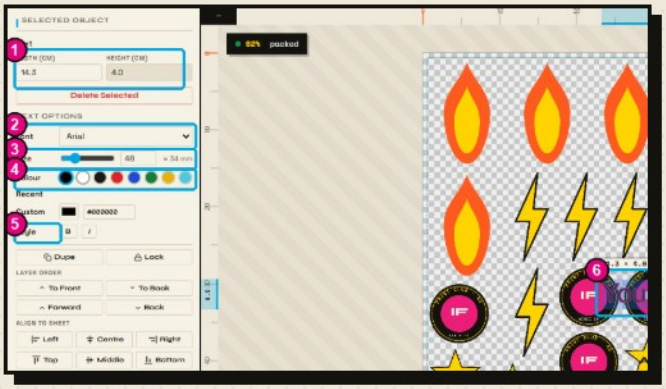
NAMES & NUMBERS, TEXT AND AI

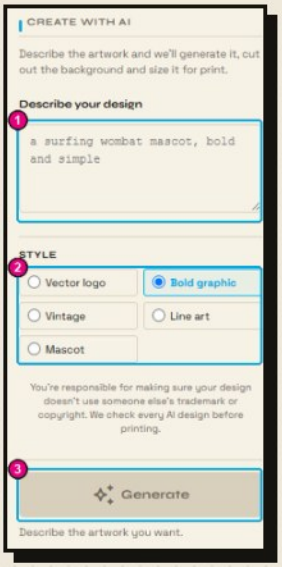


Names & Numbers

For team orders. Paste a list and the builder makes a tile for every line and packs them.

1. **List.** One per line: `Smith, 7` or `Smith 7`. Name only or number only also work.
2. **Paste / Import / Sample / Clear.** Paste from your clipboard, import a CSV or TXT file, load a sample to see the format, or clear.
3. **Font.** Choose from the list.
4. **Size.** Text height in pixels; the cm size shows beside it.
5. **Colour.** Swatches or a hex code.
6. **Uppercase / Bold.**
7. **Curve.** Arches the name.
8. **Outline.** Colour and thickness of a stroke around the letters, for contrast on busy fabrics.
9. **Generate.** Makes the tiles. Then click Pack the Sheet to nest them.

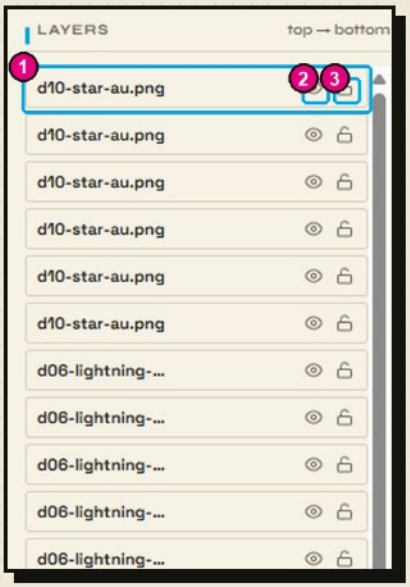




+ Text. 1 width and height · 2 font · 3 size · 4 colour · 5 bold and italic · 6 the text tile on the canvas. Drag and resize it like any design.

Create with AI. 1 describe the design · 2 pick a style · 3 Generate. Arrives with the background removed and sized for print. We check every AI design before printing.

LAYERS, LIBRARY AND DRAFTS



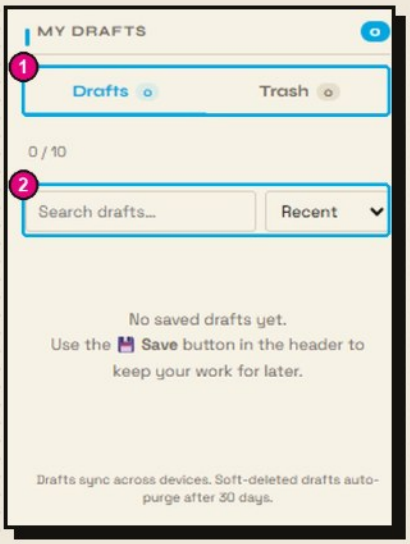
Layers

1. **One row per design** on the sheet, top to bottom. Click a row to select that design on the canvas.
2. **Eye.** Hide or show the design.
3. **Padlock.** Lock or unlock it.



My Library

1. **Thumbnails.** Designs you starred on a card, plus designs from past orders. Click one to add it as a new design card.
2. **Counter.** How many are saved. Starred ones are kept; the rest clear after 30 days.



My Drafts

1. **Drafts / Trash.** Sheets you saved with the Save button, and ones you deleted (kept 30 days).
2. **Search and sort.** Find a draft by name.

> Not signed in? The builder still keeps your current sheet in this browser for 7 days. Sign in and press Save to keep it for good and open it on another device.

YOUR SHEET: PRICE, FILL AND TURNAROUND

The right-hand panel is your live quote. Scroll it down for sheets, notes and the order buttons.

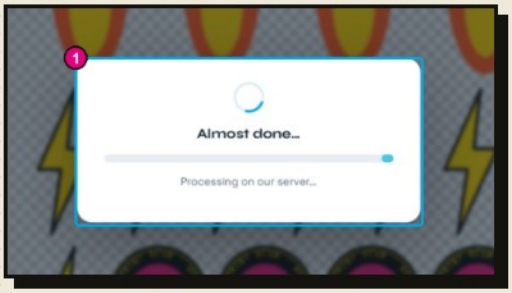


Above these rows sit the **sheet card** (size and fixed price) and the **Sheet Fill** bar, the share of the printable area your designs cover.

1. **Designs placed.** Total copies on the sheet.
2. **Cost per design.** Sheet price divided by designs placed. The number to watch.
3. **Turnaround. Standard 48 hr**: dispatched within 48 hours. **Express 24 hr +20%**: order by 10 am AEST Monday to Friday for next-business-day dispatch.
4. **Shipping line.** Post is $10. The "add $X for free shipping" figure counts down to the free-shipping threshold: **orders of $100 and over ship free**. Pickup is always free.
5. **Notes.** Your sheet arrives as one piece; you cut the designs out. Drafts are kept in this browser for 7 days.
6. **Sheets.** Order more than one copy of this exact sheet with − and +.
7. **Total inc GST.** Sheet price × number of sheets.
8. **Notes for us.** Deadline, colours, what you're pressing onto, anything we should know.
9. **Pack the Sheet.** Reads every card and lays the whole sheet out (Step 3).
10. **Add to Cart.** Sends the sheet to your cart (next page).

STEP 6

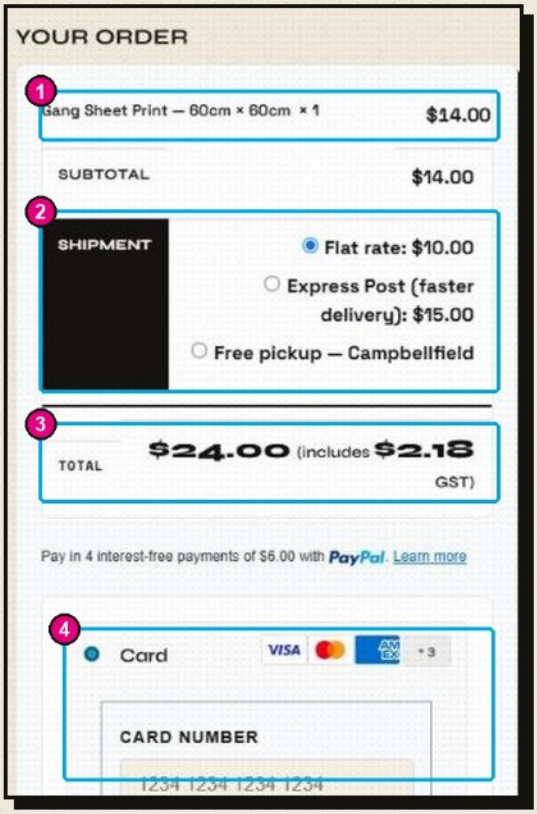
ADD TO CART AND CHECKOUT





Click Add to Cart. The builder uploads your sheet and prepares the print file ("Almost done, processing on our server"). It takes a few seconds for a big sheet.

1. **Add another to cart.** Keep building: change the sheet, add it as a second line, and they ship together.
2. **Sheet added to your cart.** Confirmation.
3. **View cart.** Review lines and quantities.
4. **Checkout.** Go straight to payment.



The checkout page

1. **Your order.** Each gang sheet is one line, named by its size.
2. **Shipment. Flat rate $10 · Express Post $15 · Free pickup, Campbellfield.** When your order is $100 or more, free shipping appears here as well.
3. **Total.** Includes GST.
4. **Card.** Visa, Mastercard, Amex and more. Afterpay and PayPal are below it.



5 · **Apple Pay and Google Pay** sit at the top of the page for one-tap checkout. No account is needed; you can check out as a guest.

AFTER YOU ORDER

You get an order confirmation email straight away, and a shipped email with tracking if it is posted. For pickup we contact you when it is ready to collect at 3/48 Lara Way, Campbellfield VIC 3061.

SHEET SIZES, PRICES AND DELIVERY

All sheets are 60 cm wide with a 58 cm printable width. Prices include GST and are fixed per sheet. No quote needed.

SHEET	SIZE	PRICE	PER METRE	FITS ROUGHLY
Handful	60 × 30 cm	$8	$26.67	1 full print, or about 18 chest logos
Armful	60 × 60 cm	$14	$23.33	2 full prints, or about 36 chest logos
Barrow	60 × 100 cm	$22	$22.00	About 5 full prints, or about 66 chest logos
Ute Load	60 × 150 cm	$32	$21.33	About 8 full prints, or about 96 chest logos
Trailer	60 × 200 cm	$42	$21.00	About 10 full prints, or about 130 chest logos
Tandem	60 × 300 cm	$62	$20.67	About 16 full prints, or about 200 chest logos
Truckload	60 × 400 cm	$82	$20.50	About 22 full prints, or about 260 chest logos
Road Train	60 × 500 cm	$102	$20.40	About 28 full prints, or about 330 chest logos. Best per-metre price

"Fits roughly" assumes a full print of 28 × 35 cm and a chest logo of 9 × 9 cm, two full prints across the 58 cm printable width, with the default gap. Your designs' shapes change the count; the builder's Sheet Fill and Designs placed are the real numbers.

Delivery and turnaround

OPTION	COST	NOTES
Pickup, Campbellfield	Free	3/48 Lara Way, Campbellfield VIC 3061. Choose it at checkout; we email you when it's ready.
Flat rate post	$10	Australia-wide.
Express Post	$15	Faster delivery through Australia Post.
Free shipping	$0	Orders of **$100 or more** ship free. The builder's shipping line shows how much more you need to add.
Standard turnaround	Included	Dispatched within 48 hours.
Express turnaround	+20%	Order by 10 am AEST Mon to Fri for next-business-day dispatch.

ARTWORK CHECKLIST AND FAQ

Before you add to cart

1. Every card shows a green **Hi-res** badge at its printed width.
2. No design has a white box around it. If it does, use **Remove BG**.
3. Widths are the finished print sizes you want on the garment.
4. You clicked **Pack the Sheet** and nothing is flagged as not fitting.
5. The gap is at least 6 (about 4 mm) so you can cut between prints.
6. Nothing crosses the dashed **Margin** line.
7. **Cost per design** looks right. If there's room, add more.
8. Turnaround and number of sheets are what you need.

FAQ

Do you cut the designs out? No. The sheet arrives as one piece and you cut between designs with scissors or a craft knife. The gap is there for that.

Can I mix designs and sizes on one sheet? Yes. That's what a gang sheet is for. Any number of files, each with its own width and quantity.

My file isn't high enough resolution. Print it smaller, or send us the original at a larger size. Logos as vector PDF or SVG can be converted; email them to us.

White ink? Every DTF transfer gets a white underbase automatically, so colours stay bright on dark garments and white parts of your design print white.

How do I press them? Pre-press the garment 5 seconds. Press at 130 to 135 °C for 8 to 12 seconds with medium pressure. Let the film cool completely, then peel (cold peel). Press again 5 seconds with baking paper over the top. A printed guide comes with every order.

Can you lay it out for me? Yes. Email the files and the widths and quantities to `info@inkfusiondtf.com.au` and we'll build the sheet and send a proof and a payment link.

BUILD YOURS NOW

`inkfusiondtf.com.au/gang-sheet-builder`

Questions: info@inkfusiondtf.com.au · 0410 960 003 · 3/48 Lara Way, Campbellfield VIC 3061