

Start here

Prepare a bubbled drawing and a three-form FAI draft, review the requirements, and export files for your inspection team. This guide covers first-time setup and everyday use.

Open: [Gamma FAI Builder](#) | [Account & billing](#)



Account & billing

Process drawings

FAI Library

Bubble drawings. Build the FAI.

Upload PDF drawings, review the detected characteristics, and export your bubbled drawings with the supplied three-form AS9102 workbook.

1. Create and verify your account

Open **Account & billing** and choose **Create an account**. Enter your email and password, follow the confirmation email, then sign in. A ChatGPT account is not required. Check spam or junk folders if the email is missing, and confirm that your address is spelled correctly.

2. Activate the access that applies to you

Access type	What to do
Paid subscription	When enrollment is open, choose \$499.00 USD annually, paid in full , or \$79.99 USD monthly , and follow checkout. Eligible companies receive one 15-day introductory trial across both plans. Check the billing date and terms before confirming.
Complimentary access	Sign up with the exact email address granted access by Gamma Group and verify it. A complimentary grant does not itself send an invitation email; use the app link. No payment card is required for complimentary access.
Additional company users	The subscription includes three named users at one company location. The company owner can reserve the additional user slots through Account & billing. Each user signs in with their own account.

Use the billing controls in your account for payment details and cancellation. If access is unavailable or the trial/enrollment options are not shown, contact info@gammagroup.org.

Set up once. Check for each job.

In **Process drawings**, set the options before processing. Preferences are remembered in this browser and apply to the next drawings processed; they do not automatically rebuild an existing draft.

Processing preferences

Apply to the next drawings processed. Saved on this browser until you change them.

☒ Include basic dimensions

☐ Include reference dimensions (parentheses / REF)

☒ Separate repeated features into FAI rows (6.1, 6.2...)

Reference dimensions are excluded by default. When included, they retain their reference designation without an added tolerance. Basic dimensions retain their basic designation without a general ± tolerance. Instance rows share the parent drawing bubble; each gets its own result field.

Manufacturing process reference · F1 box 9

Purchase order number · F1 box 12 (optional)

12345

9999

► Company profile and logo

Preference	How to choose
Include basic dimensions	Enable when your customer wants basic dimensions included. Preserve the basic designation; do not apply a general plus/minus tolerance to a basic dimension.
Include reference dimensions	Normally leave off. Enable for a customer that requires them. Parenthesized or REF dimensions remain reference dimensions without an added tolerance.
Separate repeated features into FAI rows	Enable for individual result rows such as 4.1, 4.2, 4.3 and 4.4. Rows share the parent drawing bubble. Review the detected number of instances.

Company profile and report fields

Expand **Company profile and logo**. Enter your company name and address for Form 1 box 10. Add an optional PNG, JPEG or WebP logo within the size limit shown by the app, and check its placement in the exported workbook.

Enter the **manufacturing process reference** for box 9; a work-order number is recommended. Enter a **purchase order** for box 12 if applicable. A FAIR identifier is assigned during processing; review it in **Form 1 report details**.

For an existing draft, use **Apply saved company profile and logo** if needed. Confirm part number, drawing number, names, revisions and assembly status against the correct title block. A multi-sheet drawing can contain different component and assembly identities.

Customer-specific instructions: record the protocol in the provided field, then apply the edits yourself. Entering the instructions does not automatically change the draft.

Choose the drawing and destination

3. Select original drawing PDFs

Click **Choose drawings** or drag PDFs into the upload area. You can select more than one drawing. Use original PDFs with selectable text where possible; scanned pages and graphic-only symbols need particular attention during review.

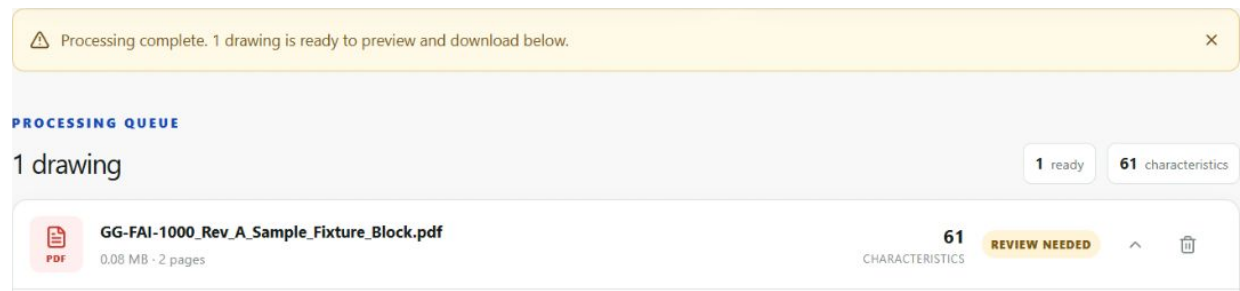
4. Set a saving destination

Destination	Setup
Local computer	In Chrome or Edge, click Choose folder and select a folder you can write to. Allow access to that folder when the browser asks.
Shared server	Connect to the shared folder or mapped drive first, then select it in the folder picker. Your computer must be connected and your user must have write permission.
Google Drive	Use the app's Download Google Drive for desktop (Windows) link, install the official Google application, and sign in. Select a synced Drive folder available on the computer. No Google developer keys are needed.
Folder picker unavailable	Use a supported Chrome or Edge browser, or download This drawing ZIP and move the package manually. A typed folder URL alone does not grant access to save files.

[Install Google Drive for desktop \(Windows\)](#). Files saved to a synced folder upload through Google's desktop software. The FAI stays an Excel workbook; open it in Google Sheets if needed and check the layout after conversion.

5. Process and open the draft

Click **Process & bubble drawings** (the button includes the number of selected drawings). Wait for the completed status and open **Review drawing** if the drawing is collapsed.

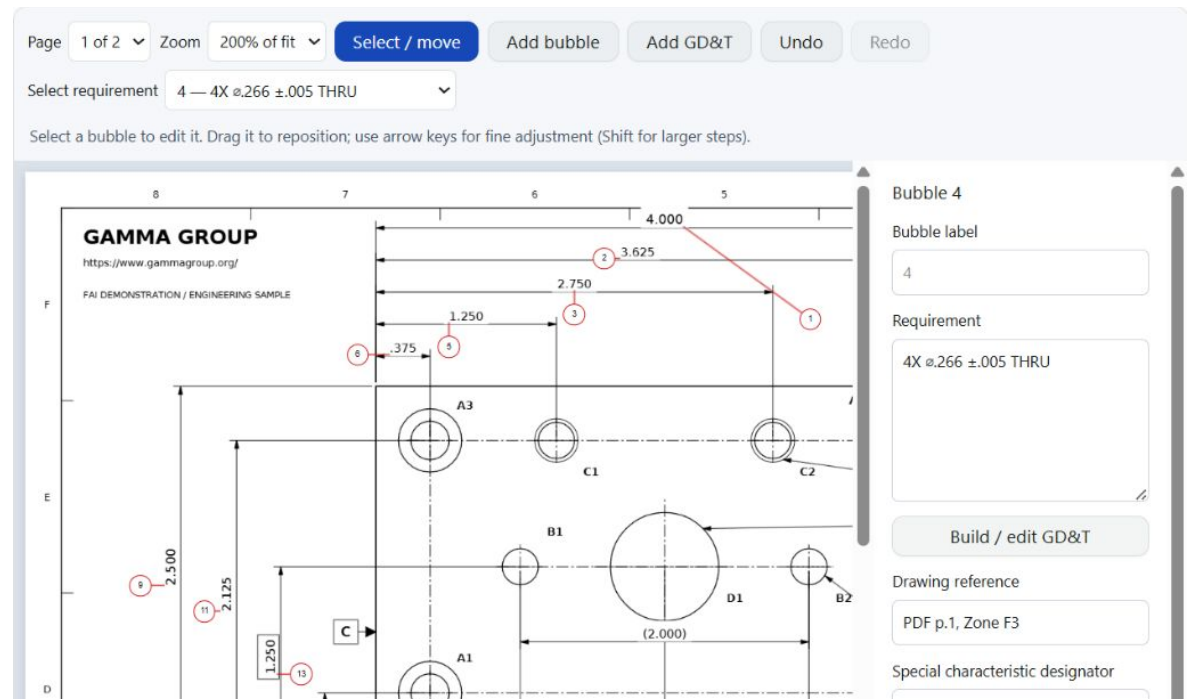


Demo observation: a reviewable draft in about four seconds. Processing speed, extraction quality and review effort vary by drawing and computer.

Save before closing: the current processing session is not a cloud-stored editable project. Keep the original drawing and exported files in your own controlled folders.

Review and edit on the drawing

Use **Edit bubbles**. Choose a page and zoom level, then select a bubble on the drawing or from **Select requirement**. Check the complete requirement, applicable tolerance, page/zone and any special characteristic designation.



Control	Action
Select / move	Drag a bubble into clear space. Arrow keys make fine adjustments; Shift makes larger steps. Check that its leader identifies the intended requirement.
Add bubble	Click the missed requirement, enter the text and tolerance, and check the reference. Separate independently inspectable requirements where needed.
Requirement / Drawing reference	Edit the selected text and page/zone. Check dimensions against explicit, note-specific and title-block tolerances.
Change leader target	Choose this control, then click the dimension or note the leader should identify.
Exclude bubble / Undo / Redo	Exclude a nonrequirement or reverse an edit. Excluded items can be restored through the drawing interpretation/review section.

Check all sheets, full notes, repeated features and nonrequirements. For this sample, some title-block details, tolerances and GD&T needed manual review; the demonstration edits are examples, not a completed acceptance review.

GD&T and the three FAI forms

6. Build or correct a geometric control

Select a bubble and choose **Build / edit GD&T**, or use **Add GD&T** for a new control. Select the geometric characteristic, tolerance-zone symbol, tolerance, material-condition modifier and applicable datum references. Check the frame preview, then choose **Apply GD&T to requirement**.

Match the actual drawing and its governing standard. Do not invent datums or modifiers. Multiple added rows are separate frames; composite controls and additional qualifiers may need explicit requirement text.

7. Review the FAI data

Form	What to verify
Form 1 Part accountability	FAIR identifier, part/drawing identity and revisions, company information, manufacturing reference and optional PO. For an assembly, review the parts list and use Add component for missing entries in boxes 15-18. Complete part type and applicable component FAIR identifiers.
Form 2 Materials and processes	Review detected material and special-process entries. Confirm the full specification, type, class and other qualifiers. Use Add Form 2 item or edit fields to complete missing information.
Form 3 Characteristics	Verify every required characteristic, bubble number, repeated-feature instance, tolerance, drawing reference and applicable designator. Add missed requirements and exclude nonrequirements before export.

AS9102 FAI data preview

Form 1					Form 2					Form 3				
BUBBLE	REFERENCE	DESIGNATOR	REQUIREMENT		RESULT	BUBBLE	REFERENCE	DESIGNATOR	REQUIREMENT		RESULT	BUBBLE	REFERENCE	DESIGNATOR
1	PDF p.1, Zone F5		4.000 ±.005											
2	PDF p.1, Zone F6		3.625 ±.005											
3	PDF p.1, Zone F6		2.750 ±.005											
4.1	PDF p.1, Zone F3		4X ø.266 ±.005 THRU											
4.2	PDF p.1, Zone F3		4X ø.266 ±.005 THRU											
4.3	PDF p.1, Zone F3		4X ø.266 ±.005 THRU											
4.4	PDF p.1, Zone F3		4X ø.266 ±.005 THRU											

Your team completes the inspection. Measurement results and approvals are not generated. Determine the applicable full/partial FAI scope and complete the required supporting records and approvals. Automated output remains a draft until qualified review is complete.

Export, find previous work and get help

8. Export the reviewed package

Use **Save package to folder** to create a new subfolder containing the Excel FAI and bubbled PDF. Or choose **Bubbled PDF, FAI Excel, Both separately** or **This drawing ZIP**. Batch controls export multiple completed drawings.

If the drawing preview says it is out of date after an edit, click **Refresh bubbles**. Open the downloaded files to check bubble placement, workbook fields and page layout. The workbook contains Forms 1-3 without a Drawing Review worksheet; a separate review text file may be included in a ZIP.

9. Use the FAI Library

Open **FAI Library** beside Process drawings. New exports are logged with the FAIR identifier, part/revision, drawing number, preparer, export date, filenames and location. Records are shared within the company account; the actual files stay in your folders.

Search by FAIR number, part, drawing or preparer. Folder saves are confirmed automatically. For browser downloads, first verify the files arrived, then click **Confirm downloaded** and save the actual location. The browser cannot report the final download path.

Use **Find saved files** with a linked folder. Use **Reconnect folder** when files move, permission expires or you use a different computer. Earlier files can support a later revision or delta FAI, but the library does not automatically compare revisions or restore an editable project. Earlier exports are not logged retroactively.

10. Send feedback

Click **Send feedback**. Provide your name, reply email, optional company/phone, issue type, summary and details. Choose Missing bubbles, Incorrect bubbles, Tolerances are wrong, Excel export issues or Other. Include the affected bubble or page/zone and what you expected. Keep the confirmation reference.

If you encounter...	Try this
Missing confirmation email	Check spam/junk, verify the signup address and contact support if it still does not arrive.
Missing or incorrect requirements	Review all sheets and excluded items; use Add bubble, the requirement editor or the GD&T builder.
Folder or library access problem	Reconnect the available folder, check write permission, or download a ZIP and record its final location.

Questions or a product demonstration: info@gammagroup.org | [View pricing and trial terms](#)