

AI drawing test sheet

Test any AI tool on your own drawings before it touches a quote · facts checked October 26, 2026

- 1. Pick 30 recent drawings**
Include scans, old revisions, multi-sheet drawings and your slowest customer's drawings.
- 2. Write the answer key first**
Your estimator fills in the fields below for every drawing, without AI.
- 3. Run the tool on the same files**
Use the vector PDF where you have one. Record the tool, plan and model.
- 4. Score missed and wrong separately**
A missed value costs time; a wrong value costs money.
- 5. Check the hard cases**
Rotated dimensions, dashed hidden lines, the general tolerance note, surface and heat-treatment notes.
- 6. Decide field by field**
Right on every drawing: pre-fill for review. Wrong even once: stays with a person.

Field	Right	Missed	Wrong
Material	☐	☐	☐
Overall size	☐	☐	☐
Tightest tolerance	☐	☐	☐
General tolerance class	☐	☐	☐
GD&T frames	☐	☐	☐
Surface finish	☐	☐	☐
Heat treatment	☐	☐	☐
Threads	☐	☐	☐
Quantity	☐	☐	☐
Revision	☐	☐	☐

Published results: on MechVQA (ICML 2026) the strongest general model answered 97.73% of title-block and table questions correctly and 46% of assembly questions. In a 2024 GD&T study, GPT-4o found 25.39% of entries and 40.97% of the entries it returned were wrong. No score predicts your drawings: test your own.