

CAD Design Optimisation Guide

Gems & Jewellery

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This guide explains what the tool produces, how to use the output, and what to watch for. The actual output (draft/report) is generated on the tool page.

Background

Get guidance to optimise a jewellery CAD design — for target weight and metal cost, manufacturability (casting/setting), durability, and comfort — so the design is both beautiful and viable to make and sell. Describe the design below.

Purpose of this tool & output

Design for weight, cost and manufacturability

How the output is used

Use it to design for weight, cost and manufacturability — a CAD optimisation guide that keeps pieces makeable and profitable.

Important cautions

AI-generated guidance; validate with your CAD artist and casting trials.

Companion documents

- Jewellery Design Brief
- Jewellery Collection Planning
- Custom Order Process SOP
- Jewellery Trend & Design Direction
- Jewellery Catalogue Creation
- Bridal Collection Plan

This is AI-assisted guidance. Verify with a qualified professional before any binding decision. Fees, authorities and processes vary by state and change over time — confirm with your state authority.