Gold loss at each stage of manufacturing

At which stage does the gold loss happen: casting, filing or polishing?

1 Use it in 4 steps

1. One line for each stage of each job: the job, the stage, the karat, and the weight before and after.
2. Type the allowance you accept for that stage.
3. The sheet works out the loss and its percentage and compares it with the allowance.
4. If scrap or filings come back during the stage, take them off the weight before, or record them in the filings sheet. Delete the "Example" rows before you start.

2 The calculation

1. Loss = weight before the stage − weight after it.
2. Loss % = loss ÷ weight before.
3. If the loss is greater than weight before × allowance, the stage is "Above allowance".

3 Worked example Example

Job	Stage	Weight before (g)	Weight after (g)	Loss (g)	Loss %	Status
Example bracelets 610	Filing and finishing	318.400	316.900	1.500	0.47%	Within allowance
Example bracelets 610	Soldering	316.900	316.600	0.300	0.09%	Within allowance
Example bracelets 610	Polishing	316.600	315.400	1.200	0.38%	Above allowance

Result	Value
Total loss (g)	**3.000**

4 The table: fill it in by hand

Job	Stage	Karat	Weight before (g)	Weight after (g)	Loss (g)	Loss %

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Scan for the sheet's page