

Laser Cutting Cost Formula Worksheet

Use this worksheet to document the assumptions behind a laser cutting quote. Replace example values with your own shop rates, supplier prices, and measured machine data before sending a firm quote.

1. Job Basics

Part or job name _____

Material family and grade _____

Thickness band _____

Batch quantity _____

Required finish or quality notes _____

2. Material and Nesting

Sheet price or supplier quote _____

Sheet size and usable area _____

Material utilization percentage _____

Scrap value or handling cost _____

Material cost per part _____

3. Machine Time

Cutting length _____

Pierce count _____

Cutting speed assumption _____

Pierce time assumption _____

Setup and unload time _____

Total cycle time _____

4. Shop Rate and Direct Costs

Shop hourly rate _____

Loaded labor rate _____

Electricity rate _____

Assist gas type and cost basis _____

Consumables and maintenance allowance _____

Machine depreciation allowance _____

5. Quote Review

Overhead allocation _____

Target margin _____

Contingency or risk allowance _____