Contents at a Glance

Introduction ................................................................. 1

Part I: Understanding the Fundamentals of Costs .......... 7
Chapter 1: So You Want to Know about Cost Accounting.......................................................... 9
Chapter 2: Brushing Up on Cost Accounting Basics ............................................................. 19
Chapter 3: Using Cost-Volume-Profit Analysis to Plan Your Business Results.................... 31
Chapter 4: Estimating Costs with Job Costing ................................................................... 47
Chapter 5: More Activity, More Cost: Activity-Based Costing ............................................ 65

Part II: Planning and Control ...................................... 81
Chapter 6: What’s the Plan, Stan? Budgeting for a Better Bottom Line................................. 83
Chapter 7: Constant Change: Variance Analysis ................................................................ 103
Chapter 8: Focusing on Overhead Costs .......................................................................... 125
Chapter 9: What’s on the Shelf? Inventory Costing ......................................................... 139

Part III: Making Decisions ........................................ 159
Chapter 10: Cost Drivers and Cost Estimation Methods ...................................................... 161
Chapter 11: Making Smart Business Decisions with Relevant Information ....................... 173
Chapter 12: Making Smart Pricing Decisions: Figuring Total Costs ................................. 193

Part IV: Allocating Costs and Resources .................... 211
Chapter 13: Analysis Methods to Improve Profitability ....................................................... 213
Chapter 14: Behind the Scenes: Accounting for Support Costs and Common Costs ......................... 231
Chapter 15: Joint Costs, Separable Costs, and Using Up the Leftovers .............................. 255
Chapter 16: Tracing Similar Products with Process Costing .......................................... 271

Part V: Considering Quality Issues ............................ 293
Chapter 17: What a Waste! Getting the Most from Spoilage, Scrap, and Reworked Products ......................................................................................................................... 295
Chapter 18: Making Smart Ordering Decisions .................................................................. 317
Chapter 19: Quality: Building a Better Mousetrap ......................................................... 337
Part VI: The Part of Tens ................................................. 355
Chapter 20: Ten Common Costing Mistakes and How to Avoid Them ..................357
Chapter 21: Ten Ways to Increase Profits Using Costing .....................................363
Index ............................................................................... 367
# Table of Contents

## Introduction

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>About This Book</td>
<td>1</td>
</tr>
<tr>
<td>Conventions Used in This Book</td>
<td>1</td>
</tr>
<tr>
<td>What You're Not to Read</td>
<td>2</td>
</tr>
<tr>
<td>Foolish Assumptions</td>
<td>3</td>
</tr>
<tr>
<td>How This Book Is Organized</td>
<td>3</td>
</tr>
<tr>
<td>Part I: Understanding the Fundamentals of Costs</td>
<td>4</td>
</tr>
<tr>
<td>Part II: Planning and Control</td>
<td>4</td>
</tr>
<tr>
<td>Part III: Making Decisions</td>
<td>4</td>
</tr>
<tr>
<td>Part IV: Allocating Costs and Resources</td>
<td>4</td>
</tr>
<tr>
<td>Part V: Considering Quality Issues</td>
<td>5</td>
</tr>
<tr>
<td>Part VI: The Part of Tens</td>
<td>5</td>
</tr>
<tr>
<td>Icons Used in This Book</td>
<td>5</td>
</tr>
<tr>
<td>Where to Go from Here</td>
<td>6</td>
</tr>
</tbody>
</table>

## Part 1: Understanding the Fundamentals of Costs

### Chapter 1: So You Want to Know about Cost Accounting

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparing Accounting Methods</td>
<td>9</td>
</tr>
<tr>
<td>Using management accounting</td>
<td>11</td>
</tr>
<tr>
<td>Fitting in cost accounting</td>
<td>12</td>
</tr>
<tr>
<td>Using Cost Accounting to Your Advantage</td>
<td>13</td>
</tr>
<tr>
<td>Starting with cost-benefit analysis</td>
<td>13</td>
</tr>
<tr>
<td>Planning your work: Budgeting</td>
<td>14</td>
</tr>
<tr>
<td>Controlling your costs</td>
<td>14</td>
</tr>
<tr>
<td>Setting a price</td>
<td>15</td>
</tr>
<tr>
<td>Improving going forward</td>
<td>16</td>
</tr>
</tbody>
</table>

### Chapter 2: Brushing Up on Cost Accounting Basics

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understanding the Big Four Terms</td>
<td>19</td>
</tr>
<tr>
<td>Comparing direct and indirect costs</td>
<td>19</td>
</tr>
<tr>
<td>Mulling over fixed and variable costs</td>
<td>21</td>
</tr>
<tr>
<td>Fitting the costs together</td>
<td>22</td>
</tr>
<tr>
<td>Covering Costs in Different Industries</td>
<td>23</td>
</tr>
<tr>
<td>Reviewing manufacturing costs</td>
<td>24</td>
</tr>
<tr>
<td>Considering costs for retailers</td>
<td>24</td>
</tr>
<tr>
<td>Finding costs most companies incur</td>
<td>24</td>
</tr>
<tr>
<td>Why Are You Spending?: Cost Drivers</td>
<td>25</td>
</tr>
<tr>
<td>Pushing equipment too hard and relevant range</td>
<td>25</td>
</tr>
<tr>
<td>Previewing inventoriable costs</td>
<td>26</td>
</tr>
</tbody>
</table>
Cost Accounting For Dummies

Following the Rules of the Cost Accounting Road ...........................................27
Deciding on accrual basis or cash basis .........................................................27
Finishing with conservatism .......................................................................29

Chapter 3: Using Cost-Volume-Profit Analysis to Plan Your Business Results ...........................................31
Understanding How Cost-Volume-Profit Analysis Works ................................32
Calculating the breakeven point ..................................................................32
Financial losses: The crash of your cash .....................................................34
Contribution margin: Covering fixed costs ................................................34
Lowering the breakeven point to reach profitability sooner .......................35
Target net income: Setting the profit goal ................................................36
Using operating leverage ..........................................................................38
Timing is everything when it comes to costs ............................................39
Using Cost-Volume-Profit Analysis to Make Savvy Business Decisions ....40
Pitching the product: Deciding to advertise .............................................40
Pricing magic: Lowering your price without losing your profit .................41
Sales mix: Combining the results of two products ....................................43
The Tax Man Cometh, the Profits Goeth ....................................................45
Understanding pre-tax dollars ..................................................................45
Adjusting target net income for income taxes .........................................46

Chapter 4: Estimating Costs with Job Costing ...........................................47
Understanding How Job Costing Works .....................................................48
Cost objects: The sponges that absorb money ..........................................49
Charging customers for direct and indirect costs .......................................50
Implementing job costing in manufacturing: An example .......................51
Taking a Closer Look at Indirect Costs using Normal Costing .................55
Budgeting for indirect costs .....................................................................56
Following a normal job costing system .....................................................57
Following the Flow of Costs through a Manufacturing System ...............58
Control starts with control accounts .........................................................58
Explaining the debit and credit process ....................................................59
Walking through a manufacturing cost example .....................................61
Applying the methodology to other control accounts .............................63

Chapter 5: More Activity, More Cost: Activity-Based Costing ...................65
Avoiding the Slippery Peanut Butter Costing Slope ................................65
Recognizing a single indirect cost allocation .............................................66
A fly in the peanut butter: Dealing with different levels of client activity .................................................................67
Missing the mark: Undercosting and overcosting ...................................69
Designing an Activity- Based Costing System ..........................................71
Refining your approach ...........................................................................71
Grouping costs using a cost hierarchy .....................................................72
Testing your ABC design .......................................................................73
Using Activity-Based Costing to Compute Total Cost, Profit, and Sale Price .................................................. 76
  Allocating indirect costs evenly by product ........................................ 77
  Analyzing and reallocating cost activities .................................. 78
  Changing allocations to cost pools ........................................ 79
  Changing prices after ABC .................................................. 80

Part II: Planning and Control ........................................ 81

Chapter 6: What’s the Plan, Stan? Budgeting for a Better Bottom Line ........................................ 83
  Brushing Up on Budgeting Basics .................................................... 83
    Seeing the master budget and its component parts .................... 84
    Why budgeting is important ..................................................... 85
    Planning strategically ............................................................. 86
  Planning How to Plan: Factors That Impact Your Budgeting Process ... 87
    Experience counts ................................................................. 87
    Timing is everything ............................................................. 88
    People get you headed in the right direction ............................... 89
    Sales projections pay off ....................................................... 89
  The Nuts and Bolts (and Washers) of Budgeting ................................ 91
    Understanding the budgeting financials .................................... 91
    Reviewing revenue and production budgets ............................... 94
  Budgeting with Cash Accounting or Accrual Accounting .................. 97
    Cash basis accounting: Using your checkbook to budget ............. 97
    I accrue, you accrue, we all accrue with accrual accounting .......... 99
  Budgeting to Produce the Income Statement and Balance Sheet .......... 100
    The well-balanced balance sheet ............................................ 100
    The incredible income statement ........................................... 101

Chapter 7: Constant Change: Variance Analysis ...................... 103
  Variance Analysis and Budgeting ............................................... 104
    Using management by exception to recognize large variances ... 104
    Seeing the problem in using a static budget ............................. 105
    Opting for a flexible budget .................................................. 109
    Investigating budget variances ............................................. 111
  Analyzing in Material Price and Efficiency Variances ................... 113
    Applying price variances to direct materials ......................... 114
    Applying efficiency variances to direct materials .................... 114
    Implementing price variances for direct labor ....................... 116
    Sizing up efficiency variances for direct labor ...................... 117
  Using Your Findings to Make Decisions ..................................... 118
    Following up on variances .................................................. 118
    Judging the effectiveness of your employees .......................... 120
    Tying supply chain concepts to variance analysis .................... 122
    Attaching ABC costing concepts to variance analysis ............... 122
### Chapter 8: Focusing on Overhead Costs ................................. 125
- Using Cost Allocation to Minimize Overhead ........................................ 125
- Paying for the Security Guard: Fixed Overhead Costs .................... 126
  - Planning fixed overhead costs .................................................. 127
  - Allocating fixed overhead costs ............................................ 128
  - Assessing potential causes of fixed overhead variances .............. 131
- Those Vexing Variable Manufacturing Costs .................................. 131
  - Working with variable overhead costs ................................... 131
  - Implementing variance analysis .......................................... 134
  - Finding the reasons for a variable overhead variance ............ 136

### Chapter 9: What’s on the Shelf? Inventory Costing .................. 139
- Working with Inventoriable Costs ............................................. 140
  - Using the matching principle to calculate profit on sale .......... 140
  - Erring on the conservative side ........................................... 142
- Costing Methods for Inventory .................................................. 142
  - Using the first-in, first-out (FIFO) method .......................... 144
  - Accounting with the last-in, first-out (LIFO) method .......... 145
  - Weighing the merits of weighted-average cost ................... 146
  - Considering specific identification method ......................... 147
  - Analyzing profit using FIFO and LIFO ............................. 147
- Using Variable and Absorption Costing to Allocate
  - Fixed Manufacturing Costs .................................................. 149
  - Defining period costs and product costs ............................ 150
  - Applying variable and absorption costing ......................... 151
- Relating Capacity Issues to Inventory ....................................... 153
  - Reviewing theoretical and practical capacity ....................... 153
  - Using normal and master-budget capacity .......................... 154
  - Choosing a capacity level ................................................. 156

### Part III: Making Decisions ............................................. 159

### Chapter 10: Cost Drivers and Cost Estimation Methods ........... 161
- Working with Cost Behavior ..................................................... 161
  - Understanding linear and nonlinear cost functions .............. 162
  - Discovering how cost drivers determine total costs .......... 163
- Considering Cost Estimation Methods ....................................... 164
  - Walking through the industrial engineering method .......... 164
  - Agreeing on the conference method ................................... 164
  - Reviewing the account analysis method ......................... 165
  - Checking out the quantitative analysis method ............... 166
  - Choosing a cost estimation method ................................... 169
- Exploring Nonlinear Cost Functions ........................................ 171
  - Changing cost functions and slope coefficients .................. 171
  - Understanding the impact of quantity discounts ................ 171
  - Assessing the impact of Learning Curves .......................... 172
### Chapter 11: Making Smart Business Decisions with Relevant Information .......................... 173

- Navigating the Geography of Relevance .......................................................... 174
- Introducing the decision model ........................................................................ 174
- Applying a model to an equipment decision .................................................. 175
- Considering relevant qualitative factors in decision-making ....................... 178
- Special Orders Don’t Upset Us, Do They? ................................................... 179
- Deciding between Outsourcing and In-house Production .......................... 181
- Weighing opportunity costs ........................................................................... 184
- Contemplating the carrying cost of inventory ............................................. 186
- Maximizing Profit When Capacity Is Limited ............................................... 188
- Managing capacity and product mix ......................................................... 188
- Analyzing customer profit and capacity .................................................... 190

### Chapter 12: Making Smart Pricing Decisions: Figuring Total Costs .......................... 193

- Understanding Influences on Prices ............................................................ 193
- Customers ...................................................................................................... 194
- Competitors ................................................................................................ 194
- Suppliers ....................................................................................................... 194
- Special orders ............................................................................................... 195
- Pricing for Profits Down the Road ............................................................... 197
- Reviewing market-based and cost-based pricing ........................................... 197
- Aiming at the target: Target costing ............................................................. 198
- Arriving at a Reasonable Profit ..................................................................... 202
- Using cost-plus pricing ............................................................................... 202
- Using product life-cycle budgeting ................................................................. 204

### Part IV: Allocating Costs and Resources ......................................................... 211

### Chapter 13: Analysis Methods to Improve Profitability ................................. 213

- Processing Cost Allocation ........................................................................... 213
- Why bother? Purposes of cost allocation ....................................................... 214
- Justifying cost allocation decisions ............................................................... 215
- Implementing Cost Allocation ....................................................................... 216
- Using cost hierarchy to allocate costs ............................................................ 216
- Allocating tricky corporate costs ................................................................. 217
- Keeping track of customer revenues and costs ............................................ 222
- Going Over Sales Mix and Sales Quantity Variances .................................... 225
- Remembering variances and contribution margin ....................................... 225
- Getting the story about sales mix variance ............................................... 226
- Calculating sales quantity variance ............................................................... 229
Chapter 14: Behind the Scenes: Accounting for Support Costs and Common Costs .................................................. 231
  Not Everyone Generates Revenue: Support Costs .................................................. 232
  Introducing single rate cost allocation method .................................................. 232
  Checking out dual rate cost allocations .......................................................... 235
  Using practical capacity to determine cost allocation rates .......................... 237
  Going Over Variance Analysis and Department Costs ...................................... 240
  Choosing budgeted versus actual rate of usage .................................................. 241
  Implications for the rate of usage selected ...................................................... 244
  Allocating to multiple departments ................................................................. 245

Focusing on Common Costs .................................................................................. 249
  Mulling over stand-alone cost allocation ......................................................... 249
  Stepping up to incremental cost allocation ...................................................... 251
  Making a Commitment: Contracts .................................................................... 251
  Contracting with the government ................................................................. 251
  Thinking about reasonable and fair costs ....................................................... 252

Chapter 15: Joint Costs, Separable Costs, and Using Up the Leftovers .................. 255
  Working with Joint Costs .................................................................................... 256
  Explaining joint cost terms ............................................................................... 256
  Appreciating the importance of allocating joint costs ....................................... 257
  Considering joint cost allocation methods ...................................................... 258
  Continuing Production: Computing Separable Costs After Splitoff .................. 260
  Exploring the net realizable value method ...................................................... 261
  Introducing the constant gross margin percentage NRV method ....................... 263
  Choosing a Joint Cost Allocation Method .......................................................... 267
  Making the case for sales value at splitoff ...................................................... 268
  Falling back to other joint costing methods .................................................... 268
  Deciding to sell or process further ................................................................. 269
  Holding a Garage Sale: Making the Most of Byproducts .................................. 270

Chapter 16: Tracing Similar Products with Process Costing ............................. 271
  Process Costing: Presenting the Basic Approach ............................................... 272
  Leading off with direct material costs .............................................................. 272
  Following up with conversion costs ................................................................. 273
  Sitting on the Factory Floor: Dealing with Work in Process .......................... 273
  Using Equivalent Units to Compare Apples to Apples ..................................... 274
  Counting the units for equivalent units .......................................................... 274
  Hunting down the total costs of production .................................................... 275
  Putting units and costs together ....................................................................... 276
  Seeing different percentages of completion .................................................... 279
  Using the Weighted Average Method for Process Costing .............................. 282
  Handling beginning work in process ............................................................... 283
  Continuing with equivalent units ................................................................. 283
Introducing the First In, First Out Method of Process Costing .............. 286
Comparing Processing Costing Methods ................................................. 288
  Mulling over weighted average and FIFO methods ....................... 288
  Debating transferred-in costs ........................................................... 290

Part V: Considering Quality Issues ........................................... 293

Chapter 17: What a Waste! Getting the Most from Spoilage, Scrap, and Reworked Products ................. 295
  Accounting for Waste ........................................................................ 296
  Determining the inspection point .................................................... 296
  Understanding spoilage and scrap .................................................. 296
  Spoilage and process costing ........................................................... 298
  Reworking a product to recoup some profit .................................... 303
  Applying Process Costing Methods to Spoilage ................................. 304
  Weighing in on the weighted average costing method ................. 304
  Doing the FIFO Hokey Pokey: Put your first in first, take your first out first ........................................................... 306
  Job Costing for Spoilage, Reworked Products, and Scrap ..................... 309
  Making adjustments for normal and abnormal spoilage .............. 309
  Reworking and selling a product ..................................................... 312
  Making allocation decisions about scrap ....................................... 314

Chapter 18: Making Smart Ordering Decisions .................. 317
  Considering the Costs of Inventory ........................................................... 318
  Going through the ordering sequence ............................................ 319
  Taking a closer look at stockout costs ............................................ 320
  Calculating Inventory Quantity with the Economic Order Quantity Formula .......................................................................... 321
  Figuring a Favorable Reorder Point .................................................. 323
  Introducing safety stock: Creating a cushion ..................................... 323
  Computing safety stock ..................................................................... 324
  Evaluating Prediction Error ................................................................. 325
  Calculating relevant total costs ....................................................... 325
  Acting on a prediction error ............................................................. 326
  Buying more and ignoring EOQ ..................................................... 327
  Practicing Just-In-Time Purchasing ........................................................... 329
  Kicking around JIT beneits and risks ............................................. 329
  Putting in a JIT purchasing system .................................................. 330
  Adjusting total purchasing cost ....................................................... 334
  SCM and Customer Demand Issues ........................................................... 335
  Pulling apart the supply chain ......................................................... 335
  Analyzing demand ........................................................................... 335
## Chapter 19: Quality: Building a Better Mousetrap

- Considering Quality Benefits and Costs ................................................................. 338
- Listing the benefits of quality ........................................................................... 338
- Listing the costs of quality ................................................................................. 339
- Taking steps to ensure quality .............................................................................. 340
- Compiling a Cost of Quality Report ..................................................................... 341
- Putting Quality Practices in Place ....................................................................... 342
  - Quality in job costing ......................................................................................... 343
  - Taking a spin through inventory ....................................................................... 343
- Customer Satisfaction: Measuring and Improving It ........................................ 344
  - Customer satisfaction’s non-financial measurements ........................................ 345
  - Is measuring customer satisfaction worth the effort? ......................................... 347
- Doing More in Less Time ..................................................................................... 347
  - Analyzing performance related to time ............................................................. 348
  - Calculating average waiting time ...................................................................... 349
  - Adding in manufacturing lead-time ................................................................... 350
- Eliminating the Constraint of the Bottleneck ..................................................... 351
  - Fewer bottlenecks mean increased contribution margin................................. 351
  - Clearing bottlenecks ......................................................................................... 352

## Part VI: The Part of Tens

### Chapter 20: Ten Common Costing Mistakes and How to Avoid Them

- Pricing a Product Incorrectly .............................................................................. 357
- Listing Fixed Costs As Variable Costs ............................................................... 357
- Labeling Period Costs As Product Costs ........................................................... 358
- Misusing Target Net Income .............................................................................. 358
- Forgetting About Taxes ...................................................................................... 359
- Assigning Costs to the Wrong Product .............................................................. 359
- Not Reviewing Variances Correctly .................................................................... 360
- Redlining: Pushing Production Activity Above Relevant Range ....................... 360
- Ignoring the Timing of Costs ............................................................................. 361
- Not Implementing Activity-Based Costing .......................................................... 361

### Chapter 21: Ten Ways to Increase Profits Using Costing

- Selling More Of The Right Products ................................................................... 363
- Implementing Sales Mix Analysis to Increase Total Profits ................................ 363
- Building a Higher Margin of Safety ................................................................... 364
- Deciding How Much You Need: Production and Scheduling Issues ............... 364
- Who Does What: Handling Costs and Employee Issues ................................... 364
- Reducing and Managing Scrap ......................................................................... 365
- Moving It off the Shelf: Inventory Issues ......................................................... 365
- Effectively Taking Special Orders ...................................................................... 365
- Making Accurate Cost Allocations .................................................................... 366
- Addressing the Issue of Spoilage ...................................................................... 366

## Index

- 367