Description
Fitting and Machining by Ron Culley published by TAFE publications

The definitive "book of the trade" for trainees in fitting and machining, related area, qualified tradespeople and for the keen home hobbyist. The practical focus, clear explanations and hundreds of diagrams and photographs make Fitting and Machining the most widely accepted text in this area. A comprehensive index ensures the book is easy to use.

This book was first printed in 1957, and has been reprinted with corrections and additions some 13 times since then, the last printing being in 2008.

The contents include the following:
* Useful facts and figures:
  o Mathematical signs and common abbreviations
  o Conversion factors for common English units
  o Conversion table, mm-inch
  o Areas and related formulae of plane figures
  o Volumes
  o Geometrical propositions
  o Right-angled triangles
  o Trigonometry tables
  o Useful tapers and angles
  o Machine tapers
  o Mechanics - The Principle of Work; Levers; Pulleys and Wheels; Screws; Wedges; Pascal's Law
1. Workshop hints
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   o Metal fret
   o Hardening and tempering a small object
   o Press fit assembly
   o Turning a sleeve bearing
   o Chatter
   o Setting to marked centre in the lathe
2. Safety in the workplace
   o Accidents; Causes; Prevention
   o Personal safety; Eyes; Ears; Manual Lifting
   o First aid
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* Orderly workshop habits; Personal Cleanliness; Horseplay; Industrial Housekeeping
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* Fire-fighting; Types of fire

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* Basis for Fits; Individual Measuring; When the Hole is Produced by a Fixed Tool; When Standard Sized Shafting is Used; Summary
* Tolerances; Variations in Size; Inter-changeability of Parts
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10. Cutting speed and feed rate
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54. Toolmaking
* Toolroom functions; Factors Affecting the Toolmaker; Duties and Skills of the Toolmaker; Types of Toolmaking
* Press toolmaking; Use of Press Tools; Basic Press-working Operations; Types of Die; The Blanking Die; Action of Blanking and Piercing Dies
* Die-making for plastics and die-casting; Basic Principles of Compression and Injection Moulding; Simple Compression Moulding Dies; Simple Injection Moulding Dies
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* Tool and gauge making; Mass Production and Inter-changeability; Tools and Gauges used in Mass Production; Basic Principles of Limit Gauge Design; Work Tolerance and Gauge Tolerance; Determining Limit Gauge Tolerance; Basic Skills

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57. Fluid power-hydraulics
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* Ready-find Index

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Recommended Accessories

CATM
Engineering, Metal & Wood
Machinery Catalogue

L345
Handy Workshop Tips &
Techniques - 1st Edition

L3455
Professional Sheet Metal
Fabrication Book

L343
Engineers Black Book - 3rd
Edition

L344
Fastener Black Book - 1st
Edition