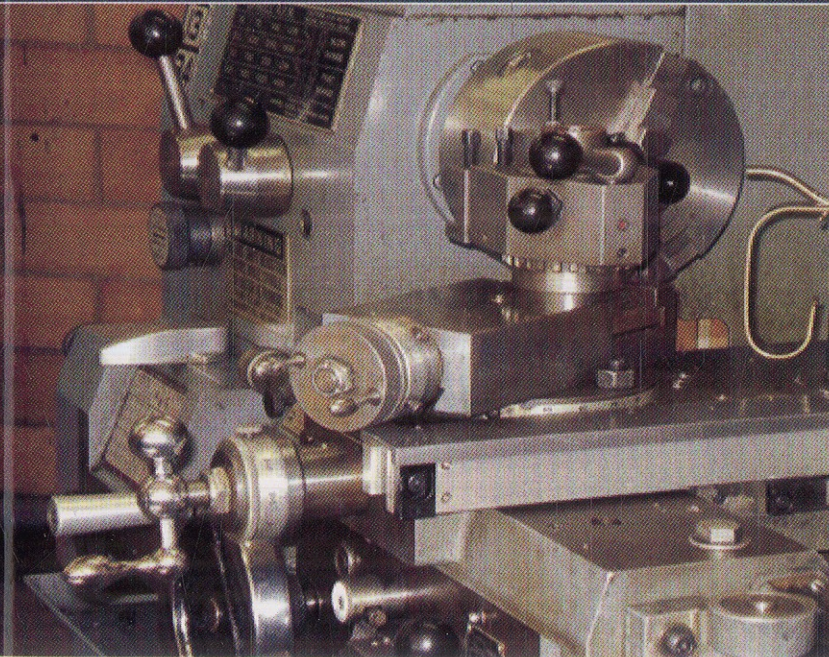


NEW AGE

SECOND EDITION

HANDBOOK OF MECHANICAL ENGINEERING TERMS



K.K. Ramalingam



NEW AGE INTERNATIONAL PUBLISHERS

CONTENTS

<i>Preface to the Second Edition</i>	<i>v</i>
<i>Preface to the First Edition</i>	<i>vii</i>
1. General	1–10
2. Materials	11–37
3. Material Properties	39–52
4. Processes	53–66
5. Machines and Devices	67–78
6. Machine Components and Attachments	79–91
7. Tools and Cutters	93–107
8. Instruments and Gauges	109–114
9. Casting	115–127
10. Welding	129–140
11. Heat and Surface Treatments	141–146
12. <i>Mechanics of Machines</i>	147–156
13. Material Handling	157–168
14. Friction, Lubrication and Bearings	169–178
15. Thermodynamics and Heat Transfer	179–194
16. Fuels and Combustion	195–209
17. Steam Boilers	211–222
18. Steam Engines and Steam Turbines	223–232
19. Gas Turbines	233–244
20. Internal Combustion Engine Parts	245–264
21. Spark Ignition Engines	265–278
22. Compression Ignition Engines	279–287
23. Two Wheelers	289–299
24. Automotive Vehicles	301–331
25. Air Compressors	333–338
26. Refrigeration and Air Conditioning	339–355