

MACHINING TECHNOLOGY

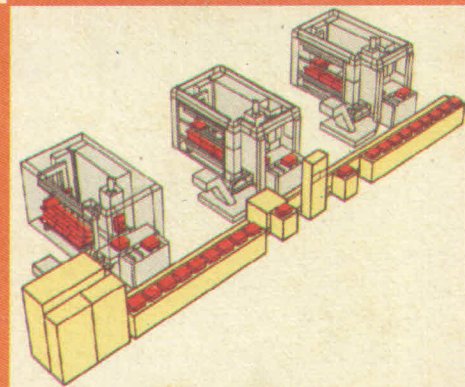
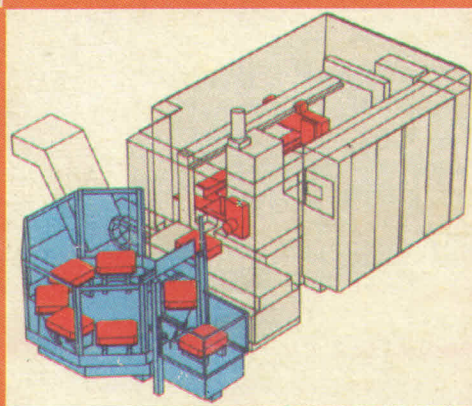
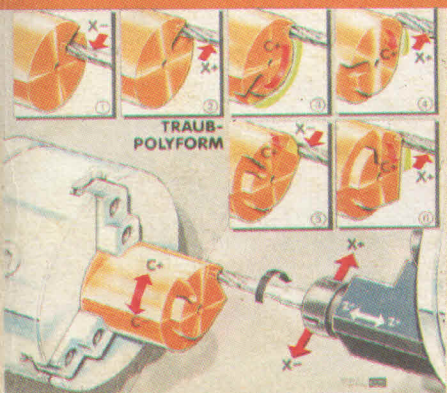
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Theory of Metal Cutting

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by V.K.Jain

BME - 008

MACHINING TECHNOLOGY

BLOCK AND UNIT TITLES

BLOCK 1	:	<i>THEORY OF METAL CUTTING</i>
Unit 1	:	Metal Cutting and Chip Formation
Unit 2	:	Thermal Aspects in Metal Cutting
Unit 3	:	Tool Wear, Tool Life, Machinability and Tool Materials
BLOCK 2	:	<i>ABRASIVE MACHINING PROCESSES</i>
Unit 4	:	Abrasive and Grinding Wheels
Unit 5	:	Mechanics of Grinding and Grinding Operations
Unit 6	:	Finishing Processes
BLOCK 3	:	<i>SURFACE FINISHING PROCESS</i>
Unit 7	:	Surface Characteristics and Product Performance
Unit 8	:	Conventional Surface Finishing Process
Unit 9	:	Micro Machining
BLOCK 4	:	<i>NON-CONVENTIONAL MATERIAL REMOVAL PROCESSES</i>
Unit 10	:	Introduction and Classification
Unit 11	:	Mechanical Advanced Machining Processes
Unit 12	:	Thermal Advanced Machining Processes
Unit 13	:	Electrochemical Machining (ECM)