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INTRODUCTION TO MECHANICAL MICRO MACHINING

Introduction

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Mechanical Engineering Department
IIT KHARAGPUR



Content

- ✓ Introduction
- ✓ Scaling laws
- ✓ Difference between macro and micro machining
 - Process mechanics, machine components, structure, operating,
- ✓ Micro tools fabrication
- ✓ Micro machines
- ✓ Diamond turning (process, mechanism, applications,.....)



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References

- ✓ Micro-Cutting: Fundamentals and Applications by Cheng & Huo, Wiley.
- ✓ Precision manufacturing by Dornfeld and Lee, Springer.

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