

# Grinding and Superfinishing

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## Grinding and superfinishing

Now a day in technological manufacturing processes grinding and superfinishing are most essential processes for components because of product is demandable ultra-precision in most of components and equipments like automotive parts, machine tools and aerospace parts. This may be possible by doing grinding and superfinishing both process is critical to maintain as compare to other manufacturing processes.



## Why grinding and superfinishing are required?

Reduce friction and noise level, easy in assembly, improve roughness value compare to general manufacturing processes such as turning on lathe machine, shaping milling, planning etc.

## Comparison between general machining and grinding, super finishing process:

General machining process	Grinding process	Superfinishing process
Roughness - 0.5 to 0.6 Ra	Roughness - 0.25 to 0.3 Ra	Roughness- 0.1 to 0.15 Ra

So for that being a mechanical engineer he/she must have been knowledgeable in grinding and superfinishing process.

We in C. U. Shah University, provide practically basic grinding and superfinishing extra training to students.

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