



Study of Different types of Coatings used for cutting tools for enhancement of performance

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Introduction : Metal cutting is the removal of metal from work piece in the form of chips in order to obtain a finished product with desired shape, size and surface finish.

Virtually all producing units for example automobiles, railways, aircraft manufacture, shipbuilding, home appliance , consumer electronics and construction industries etc required large shops with many thousands of machining .The machining cost amounts to more than 15% of the value of the all manufactured products in all industrial countries. Of all the processes used to shape and size the metals in metal cutting process the conditions of operation can be varied to a high extent to improve the quality and the rate of producing parts with a reduced cost.



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Key words : cutting, tools, coatings, hard coating etc.

Coatings for enhancement of performance :

Different types of coatings are used on cutting tools for enhancing their performance during machining operations.

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