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Electrochemical Machining (ECM) is one of the non-traditional machining (NTM) process belonging to electrochemical category [1, 2]. ECM is widely used in machining jobs involving intricate shapes...

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Electric Discharge Machining (EDM) is one of the most widely used nontraditional processes. An EDM setup is illustrated in Figure. The shape of the finished work surface is produced by a formed electrode tool. The sparks occur across a small gap between tool and work surface.

## **NONTRADITIONAL MACHINING AND THERMAL CUTTING PROCESSES**

His research areas include Advanced Finishing and Nano-finishing Processes, Magnetorheological Finishing (MRF) Process, Advanced/Non-traditional Machining Processes, Micromachining processes. Dr. Das has published more than 20 papers in reputed journal and conferences. He has also written 2 book chapters in the area of surface finishing.

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Non traditional machining processes, also called advanced manufacturing processes, are employed where traditional machining processes are not feasible, satisfactory or economical due to special reasons as outlined below.

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## **Advanced Machining Processes Nontraditional and Hybrid ...**

Identify suitable nontraditional machining process Be familiar with various material removal mechanisms Explain the phenomena of material addition processes UNIT-I (12 Lectures) MATERIAL REMOVAL PROCESSES: Introduction, history of machining, traditional machining processes, nontraditional machining processes, hybrid machining processes. need ...

## **ADVANCED MANUFACTURING PROCESS**

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Non-Traditional and Advanced Machining Technologies covers the technologies, machine tools, and operations of non-traditional machining processes and assisted machining technologies. Two separate chapters deal with the machining techniques of difficult-to-cut materials, such as stainless, super alloys, ceramics, and composites.

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