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Electroplating is a process that uses an electric current to deposit a thin layer of metal onto a conductive surface. It is commonly used in the manufacturing of electrical components, jewelry, and decorative finishes.

The process involves immersing a metal object (the cathode) in a solution containing ions of the metal to be deposited. An electric current is then applied, causing the metal ions to migrate to the cathode and form a solid layer on its surface.

The thickness of the deposited layer can be controlled by adjusting the current density and the duration of the process.

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1. The metal to be deposited must be more noble than the substrate metal.
2. The electrolyte solution must contain ions of the metal to be deposited.
3. The cathode must be connected to the negative terminal of the power source.
4. The anode must be connected to the positive terminal of the power source.

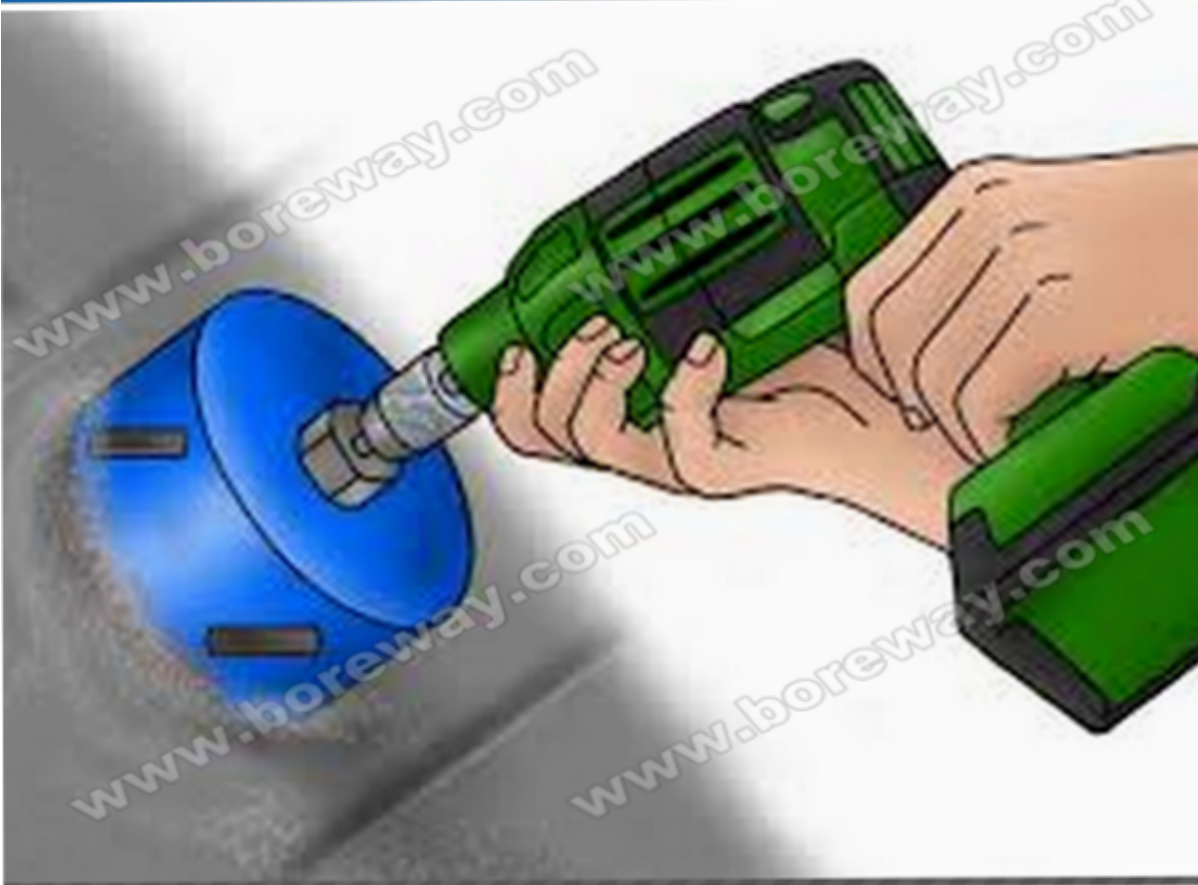
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Followings Electroplating process steps:

Step	Description	Notes
D10		
D20		
D30		
D40		
D50	50-60	Temperature of the solution
D60	50-60	Current density
D70		
D80		
D90		
D100		

The electroplating process is a complex one, and it is important to carefully control the parameters to achieve the desired results.

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