

Gas Metal Arc Welding



Welders Equipment

Leather Apron and Jacket
Leather Gloves
M.I.G. Pliers
Welding Torch
Earth Clamp
Power Lead
Speed Square and Welders Square



Gas Metal Arc Welding

Gas metal arc welding (GMAW) is a high-speed, economical process that is sometimes referred to as **metal inert gas (MIG) welding**. In this process, an **arc** is struck between the base **metal** and a continuously supplied consumable electrode, which provides filler **metal** for the **weld**.

Watch the YouTube Video;

Hold Control and click on the link below.

<https://www.youtube.com/watch?v=twUAa5LWUvk>



Advantages

- High quality welds can be produced much faster
- Since a flux is not used, there is no chance for the entrapment of slag in the weld metal resulting in high quality welds
- The gas shield protects the arc so that there is very little loss of alloying elements ...
- MIG welding is versatile and can be used with a wide variety of metals and alloys.

Dis-advantages

- Sensitivity to contaminants.
- Sensitivity to wind. The shielding gas used for this process can be easily blown away.
- Lack of portability, heavy equipment and requirement for a gas cylinder, especially when working in elevated work places.