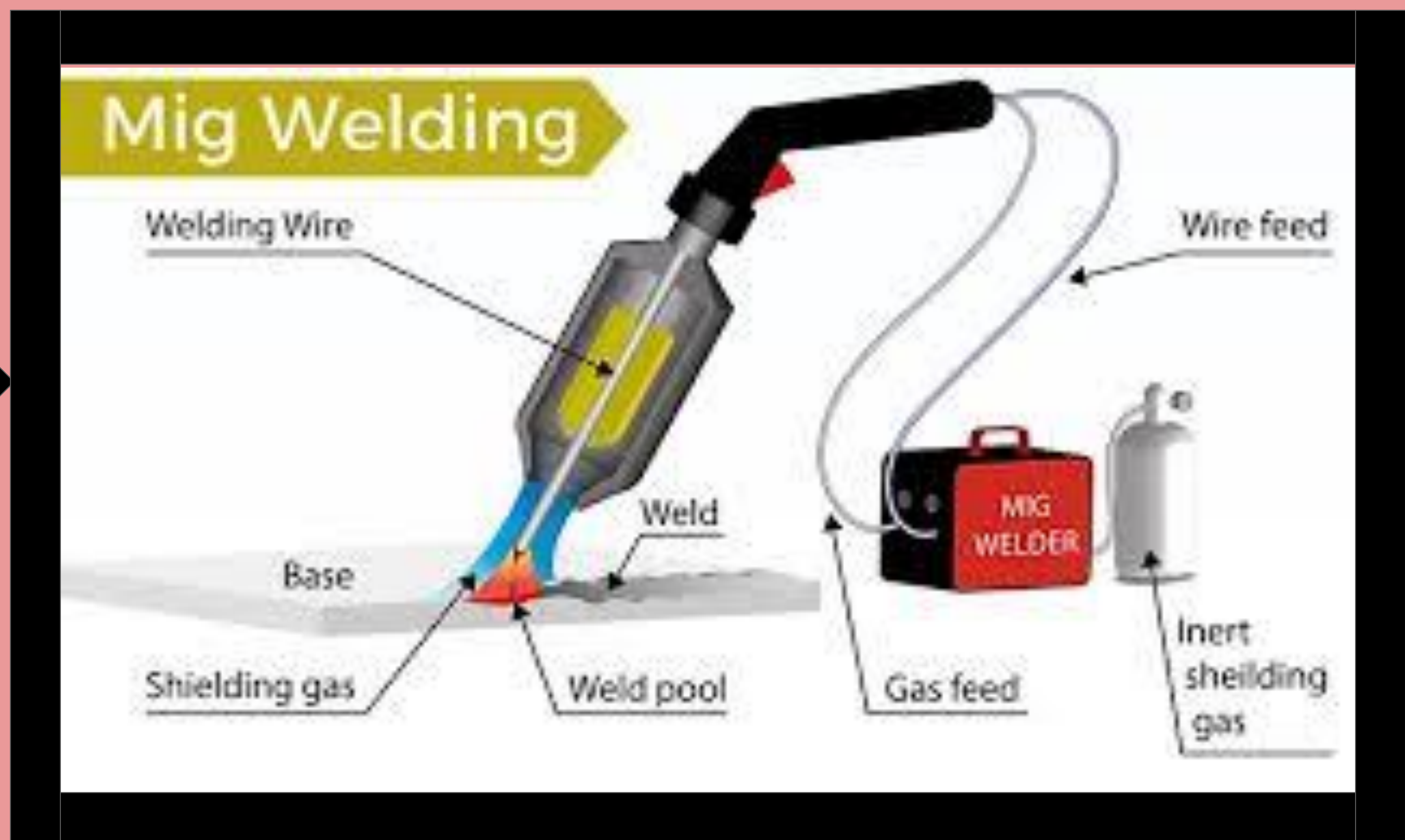
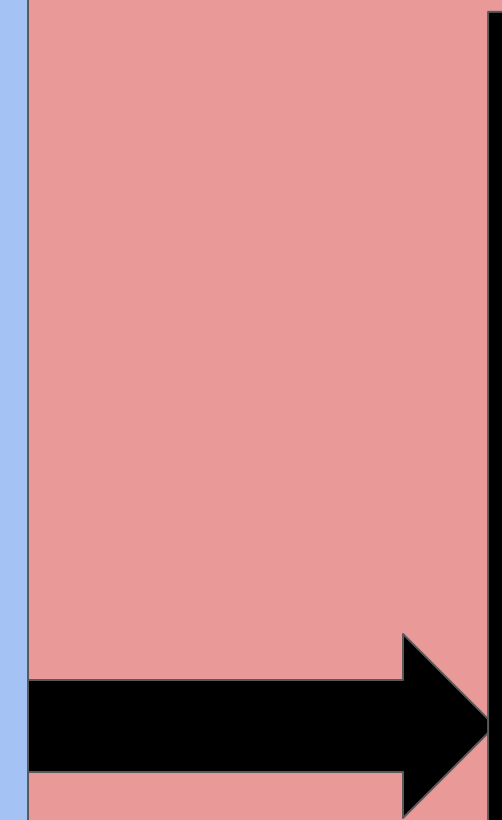


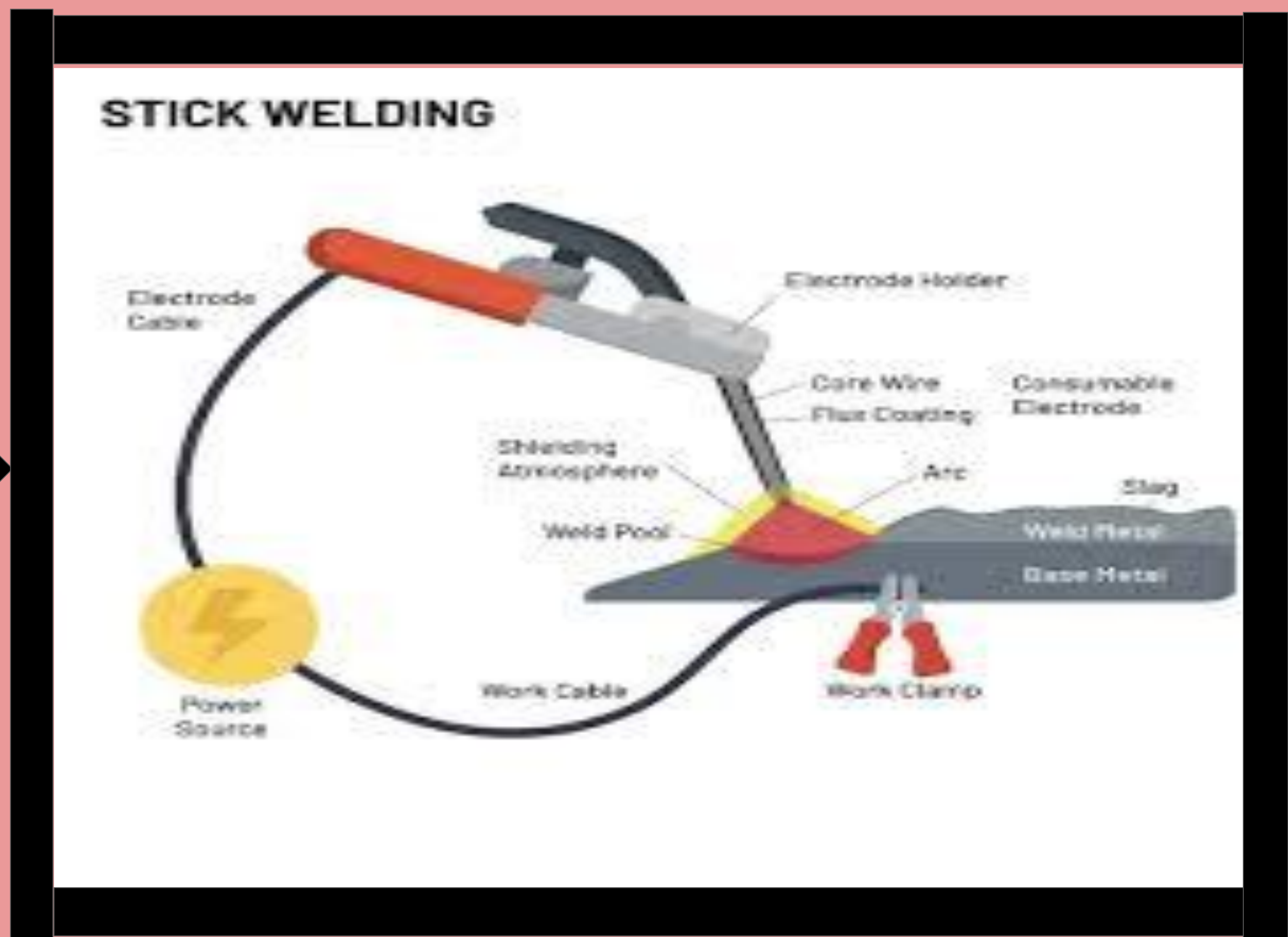
Three Most Common Types of Welding

Owen McIntosh & Kayden Mugavero

MIG welding is when someone uses a welding gun that feeds wire through it while also shooting gas to protect the weld. Someone pull the trigger and move the gun along the metal to melt the wire and stick the pieces together. Before welding, they clean the metal, clamp your ground, and set the machine to the right voltage and wire speed. Then you keep a steady hand and move at a good pace so the weld looks smooth. MIG welding is mostly used for stuff like cars, trailers, fences, shop projects, and fabrication because it's fast and easier to learn than some other welding types. A lot of beginners start with MIG since it works good on thinner metal and makes clean welds.



Stick welding is when you use a welding rod and an electrode holder to make the weld. The rod melts into the metal and creates a strong bond between the pieces. First you clamp the ground, put the rod in the stinger, and set the machine to the right amps. Then you strike an arc by tapping or scratching the metal and move the rod steady while it burns down. After the weld cools, you chip the slag off with a chipping hammer. Stick welding is used a lot for heavy metal work like construction, farm equipment, pipelines, and outdoor jobs because it works good on dirty or rusty metal and can handle wind better than MIG. It's harder to learn at first, but it makes really strong welds.



TIG welding is when you use a torch with a tungsten tip to make really clean and precise welds. Sometimes you add filler rod by hand while controlling the heat with a foot pedal. First you clean the metal really good, clamp the ground, and set the machine to the right settings. Then you make a small arc and move slow and steady so the weld stays clean and smooth. TIG welding is used for stuff that needs nice looking welds like stainless steel, aluminum, bikes, cars, and custom projects. It takes more skill and patience than MIG or stick, but it makes really clean and strong welds.

