

Plasma Arc Cutting #2

- Plasma cutting is faster and more precise than oxyfuel cutting
- It is less precise than laser cutting but it can cut thicker metals
- Plasma can cut **any** metal that conducts electricity
- Oxyfuel cutting can only cut carbon steel (iron and carbon), while laser cutting can only cut certain types of steel and aluminum
- Plasma cutting can use simple shop air, which is not explosive or combustible, while oxyfuel requires hazardous gases and the cylinders themselves can present dangers
- Plasma cutting systems also provide the advantage of portability
- Plasma is more expensive than oxyfuel and can pose safety concerns of its' own, such as intense arcs and hazardous gases



Manual plasma cutting systems are very portable.



Laser cutting systems are more expensive than plasma cutting machines.