
SECTION HEADING

WELD 1210: Oxy-fuel/Plasma Arc Cutting

Description

Oxy-fuel/Plasma Arc Cutting provides the student with basic knowledge and skills in oxyacetylene cutting and welding and plasma arc cutting.

Credits

2

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Safety precautions used when performing oxy-fuel gas cutting and welding
2. Identify parts of an oxy-fuel outfit
3. Describe function of parts in an oxy-fuel outfit
4. Steps required to assemble an oxy-fuel outfit
5. Steps required to turn on an oxyacetylene outfit
6. Procedures used to check for leaks in an oxy-fuel system
7. Lighting and adjusting the flame on an oxyacetylene torch
8. Shutting off an oxyacetylene welding or cutting outfit
9. Description of Plasma Arc Cutting
10. Identification and assembly of Plasma Arc Cutting equipment
11. Safety precautions when using Plasma Arc Cutting equipment
12. Setup and performing cuts using Plasma Arc Cutting equipment

Learning Outcomes

1. Recognize a safe work environment and the need for personal safety.
2. Identify safety precautions that must be taken when using oxy-fuel cutting equipment.
3. Identify and describe function of parts of an oxy-fuel gas cutting or welding outfit.
4. Perform basic procedures using oxy-fuel cutting equipment.
5. Define Plasma Arc Cutting.
6. Identify safety precautions that must be taken when using Plasma Arc Cutting equipment.
7. Identify and describe function of parts used for Plasma Arc Cutting.
8. Set-up and perform cuts using Plasma Arc Cutting equipment.

Credit Details

Lecture: 1

Lab: 1

OJT: 0

MnTC Goal Area(s): None