Metal 3D Printer

# Test Plan: Welder on CNC

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| **Revision History** |  |  |
| Cameron Tribe | Mar 31th 2015 | V1.0 |

# Test Objective:

This test is to confirm that the welder nozzle can be fixed to the CNC machine and it can be manually controlled.

# Test Procedure:

Load G-Code of a circle into CNC Machine

Adjust welder settings to appropriate settings for the plate thickness.

Mount welder nozzle to CNC machine

Run homing procedure for CNC machine

Position the welder nozzle using CNC movement, to a location on the base plate that the circle will fit.

Execute G-code

When the CNC machine begins to run, manually hold down the welder switch until the machine has stopped moving.

# Testing Outcomes and Notes:

This test showed that the CNC is able to still remain operational while the welder is activated. Below is the outcome of the test after the correct settings were achieved.

