

# Medium Frequency Welding

## Key Words

- Medium Frequency (MFDC)
- AC Welding

## Introduction

This article is all about the benefits of having MFDC welding machines over AC Welding Machines

## Overview of Article

This article is beneficial to MTI as it explains the difference between the two power options. As MTI sell both MFDC and AC power machines, it is beneficial to know the difference between the two

## Evaluation

The focus of this article is to talk about what the differences are between MFDC and AC welding and how MFDC welding is beneficial to a customer and to the reader. The overall savings for the MFDC technology do outweigh the AC technology; however the cost for having this system is significantly higher than AC and requires very high volume and usage to see these benefits. As a lot of companies have small volumes the MFDC technology is not beneficial to them although the MFDC method requires less electricity/power cost.

## Conclusion

The article concludes with the following:

Therefore, by using MFDC welding the following benefits will be achieved:

1. Unity power factor
2. Reduced weld times
3. Even mains distribution
4. Improved weld quality
5. Greater flexibility
6. More precise weld control
7. Increased electrode life

This benefits MTI to give someone a good technical insight into the two different power technologies used my machines at MTI welding and also the benefits of using the MFDC welding.