

What is Friction Stir Welding?

Scenario:

You are a young professional who has been hired by a large metal fabrication company. Your company makes everything from cookware to boat hulls to car doors, and works with metals like aluminum, steel, and stainless steel. Within the company, you write documentation and specifications. You work with engineers and technicians, and are often a go-between for these two groups. One day, your boss comes to you with a query. "I have to go to a meeting next week to talk about friction stir welding, but I don't know what friction stir welding is. Can you do some quick research, and write up a one-page fact sheet about friction stir welding? Just the main points, what it's good for, what it's not good for, and anything else I need to know. By next week? Thanks."

Assignment:

To complete your task, you will need to research friction stir welding, but you may also need to research metal fabrication companies (they have websites). There is no maximum or minimum length, but the work you submit must be a single document (i.e., one PDF file). In terms of formatting, you may need to mix paragraphs and bulleted lists, but any other formatting decisions are up to you.

[YouTube is an excellent place to start:](#)