



## Laser Cutting vs. Water Jet Cutting

When it comes to laser cutting versus water jet cutting there is a lot of debate. The fact of the matter is that both options have their own level of benefits that they can offer the user. But with that being said, you need to know which one is better for you before you start any job. If you do not you may end up with below average results, or paying more money than you have to. So in order to avoid this, knowing the benefits of both laser cutting and water jet cutting will help you out in the long run.

As a general rule of thumb, if a laser and a water jet can both do the job you will want to opt for the laser cutting technology. There are really two main benefits of laser cutting technology that makes it so popular.

First and foremost, with laser cutting you will be able to complete the job much faster than with any other method. This is vital in market sectors such as automotive or aerospace where providing laser cut parts has become an integral part of large projects. Typically, components are made available for prototyping or proofing purposes whilst high volume production tools are still being engineered. This means that the final car or plane comes to market much sooner foreshortening the time it takes to recover the development costs.

And to go along with saving time, with laser cutting the components will also be ready for service right away. There is no need to go through a tedious cleaning process after the laser cutting is complete. Most quality laser cutting machines such as those made by Trumpf allow the operator to change gas pressures and cutting speeds to ensure that a near perfect finish is achieved.

The other major benefit of laser cutting is that it offers precision cuts. Due to an extremely narrow cut width you will never have to worry about not getting what you want. Detailed work can be carried out with accuracy thanks to cuts as small as 0.1 mm. This means that laser cutting is suitable for many varied uses such as for complex furniture or sculptures.

Finally, it is also thought that laser cutting is among the cleanest of all the cutting methods. For the customer this means that they do not run the risk that their parts will be damaged or affected by the waste products associated with water jet cutting.

As you can see there are many benefits that go along with laser cutting. This is not to say that laser cutting is always the best option, but for most people this is the way to go. If you do not have the equipment necessary to complete a job you can always turn to a laser cutting specialist to lend you some assistance. This way you will have a professional working with you to finalise the job and advise on best practice procedure.

Overall, laser cutting offers many benefits. If you are in need of precision cutting you should look into what this type of technology has to offer.