

## First Explanation of Electron Exciter and Arc

I am going to try to explain what the analogy and theory of what the arc is doing in layman's terms:

If we were out camping and wanted to start a camp fire, we would need three things:

- 1) Material (wood)
- 2) Spark or flame to start the fire
- 3) Oxygen (air)

Now that we have a fire, what is the fire doing to the material (wood)? It is breaking down the molecular structure (atoms) of the wood turning it into energy. Some of the atoms breaking loose from the wood go into the air as smoke. The energy released is felt as heat. The rest of the atoms collect into the ashes. Our arc is much the same, but breaks down the molecular structure of whatever material we put into the arc.

The generator or Electron Exciter creates (energizes) a super-abundant amount of electrons and moves them through the wires to the arc. At the arc the electricity is moving at the speed of light (186,000 miles per second). Because of the frequency and being AC power, the electrons are changing direction, let's say 750 times per second (more or less) dependent on what you want to treat or put into the arc. These electrons bombard or collide with the material or element that is induced into the arc, breaking or shaking down the molecular structure (much like the wood in the fire). The difference is the electrons in the arc have much more power or force. If the structure of the material in the element has a looser bond of atoms it will melt or break down into a liquid form and collect back together when dropped into water. Material that has a tighter bond, like tungsten or graphite, it will vaporize, but none the less, the arc starts to break down the molecular structure instantly which fire could not do.

I hope this will help you understand what the arc is capable of doing. The arc is definitely a new source of energy. I would appreciate all the help anyone could give to explain this and I would like to set up a time when anyone could come see a demonstration of what the arc is doing.