

## 6 Things to Look for BEFORE Investing in a CNC Plasma Cutter

- 1) **Does the machine include Automatic Torch Height Control?** You can buy a CNC Plasma without this but your cut quality, especially on thinner gauge steel will be poor. Cut quality on thicker products will also be variable. This is a great option that will ultimately save in both material costs and frustration. Techno CNC Plasma machines come STANDARD with Automatic Torch Height Control.
- 2) **Does the machine have a break-away torch mount?** Accidents will happen, especially with students in a class room and crashes can be costly. It can cost anywhere from \$300-500 to replace a torch body, not to mention the consumables. This is another necessary “option” that will save both money and frustration. Techno CNC Plasma machines come STANDARD with break-away torch mounts.
- 3) **Can the machine accept industry standard GCODE or does it only work with a special software package?** Drawings can come from a number of sources and having the flexibility of working with a variety of standard software makes it easier to use and learn how to operate a CNC machine. Techno CNC Plasma machines operate with Mastercam or any other CAM package that outputs industry standard GCODE.
- 4) **Is the machine a kit or is it ready to go?** Kits can be time consuming and frustrating. Do you want to spend your time making parts or assembling machines? The other problem with most bolt together kits is that the frames tend to be on the rickety side and the prospect of supporting a 1” thick piece of steel on such a frame seems fraught with danger. Techno CNC Plasma machines have a welded and ground single piece frame. The machines arrive fully assembled. Just plug in the electric and pneumatic lines and you are ready to run.
- 5) **Are you going to be guessing the correct plasma cutting parameters?** Did you know that the tables in the plasma torch manuals refer to a specific alloy of steel or aluminum? Did you know that the cut speeds and voltage settings can vary as much as 20% depending on the material and the state of the torch consumables? The Techno CNC Plasma machines all come with the “SMART CUT” feature that lets you do a short test cut and immediately determine the best parameters for both the material and consumables – CORRECT PARAMETERS FIRST TIME, EVERY TIME – WITHOUT GUESSING. **“SMART CUT” is a TECHNO CNC PLASMA EXCLUSIVE.**
- 6) **Does the CNC Plasma come with an educational curriculum?** The Techno CNC Plasma comes standard with a comprehensive CNC Plasma curriculum that includes, among other topics:
  - a. **The History of Manufacturing**
  - b. **The History of CNC Machining**
  - c. **GCODE Basics**
  - d. **The Science Behind Plasma and Plasma Cutting**
  - e. **Plasma Torch and Cut Quality Basics– How to get a great cut!**
  - f. **10 Activities - 4 Projects Illustrating CNC Plasma Cutting Skills**

**Real Job skills Training for Every Student!**