



Ultrasonic  
Welding

## Formats for CAD Data Transmission

Today, instead of sending parts, prints, or faxes, most application information is transmitted to Branson project engineers by electronic means. Several methods are available to move this data, including email, CD, FTP sites, etc. Many design software packages have been created for universal use, and some are customized with various file formats. However, in many cases there are nuances that prevent one software program from "talking" with another program, resulting in some confusion in dealing with electronic files.

Branson has a variety of CAD programs and translators, making it possible to open up most files that are received. The first step is understanding which software packages we have and what file types we read. Branson has the following software CAD packages on site:

- **CADRA**
- **SolidWorks**
- **SolidView Pro**
- **Pro-E**
- **AutoCad**
- **Translators for native Catia files.**

There are many different file types available. The following can be read and manipulated in the above programs:

- **2D - DXF and DWG** (see Figure 1)
- **3D - STEP, PARASOLID, IGES** (see Figure 2)

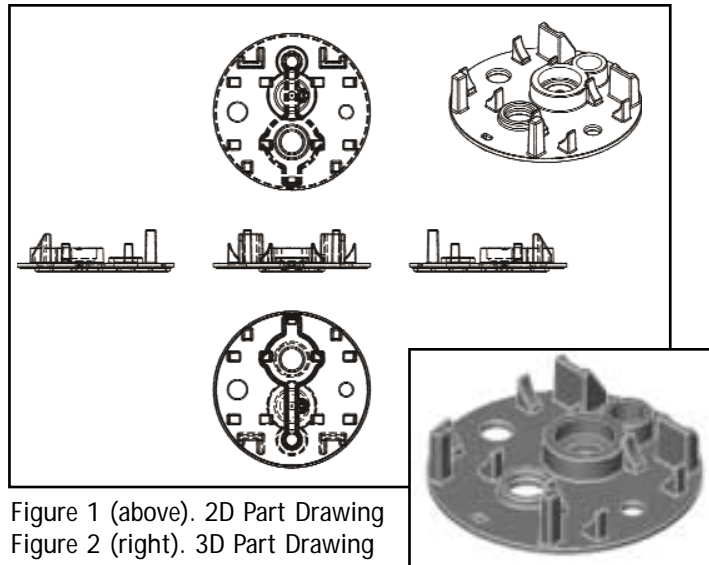


Figure 1 (above). 2D Part Drawing  
Figure 2 (right). 3D Part Drawing

There are several options for sending the files to Branson:

- **CDs sent through any carrier** - A CD can hold large amounts of data. However, file format can still be an issue and it usually takes a minimum of 24 hours to get the files to us.
- **Email** - This is usually a very quick means of getting the data from location to location. Issues include firewalls, zipping files, and file types.
- **FTP Site** - Branson hosts an FTP site where data can be placed. The advantages to this are large file storage and instantaneous delivery of data. To get access to our FTP site and have a link set up for your files, please call 1-800-946-7679 (1-800-9HORNS9). Ask for the FTP site Administrator; you will be given a user name and password.

For questions or information, please contact the Applications Lab in Danbury, 203-796-0368, or the Acoustic Tooling Group at 1-800-9HORNS9.

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