

Thermwood builds the state-of-the-art 91000 SuperControl to run CNC routers. In addition to the normal functions you would expect from a high-end CNC control, the SuperControl also offers several important features tailored primarily for CNC router applications such as the Advanced Support Program, Virtual Service, Advanced Function Language, DXF Translator and CAD Path. There are also literally hundreds of less dramatic features that make the SuperControl easy to use. Since the router and the control are built by the same person we know they work well together and you know who to call for help.



Advanced Support Program

The Advanced Support Program is dedicated to continuous technical updates, keeping our customers competitive and to insure against major expenses for repair.



What you get...

- Virtual Service
- SuperControl software upgrades
- SuperControl warranty on parts
- Free on-site service labor to repair or replace any part of the machine control proven to be defective
- 20% discount on replacement machine parts from our Field Service department
- Free Internet downloads of macros, novelty CNC programs and other useful items

Upgrading an older machine can be costly. The least expensive path is to simply remain on the program from the time of purchase. Your machine will constantly improve, you will become consistently more competitive and you will assimilate new technology on an easy-to-handle basis. CNC Router technology has advanced dramatically and the rate of change is increasing. A machine purchased today may be at a competitive disadvantage to newer machines in just a few years. Thermwood protects you from this danger by offering ongoing system software and hardware updates. The Advanced Support Program offers these updates at the lowest possible cost. **Included in Base Price for 1 year**

Virtual Service

Virtual Service is a powerful audio and video link, using a standard phone line, between the customer's 91000 SuperControl and the Thermwood service department. When the link is established, the customer can see and talk to the service technician and the technician can not only see the customer but also all of the critical parameters of the control. Programming errors can be found and corrected on-line. Mechanical videos can be launched by the technician to be viewed by the customer for mechanical problems. Virtual Service can effectively handle most difficulties and problems that occur reducing down-time and service costs. **Part of the Advanced Support Program**



Advanced Function Language

The Advanced Function Language, or AFL, is a full function, computer programming language which can be imbedded in a CNC part program. Thermwood generated macros, supplied with every machine, make extensive use of AFL. Customers can also write programs using AFL to address a variety of specialized needs. The AFL program structure and syntax is similar to BASIC and includes commands to access all areas of the control. Using AFL, interactive intelligent programs can be generated. Parametric programs and "family of parts" programs can be changed during execution by simply inputting the new size. The Advanced Function Language is a powerful and somewhat complex technology that does require an experienced programmer to use properly.

CAD Path

CAD Path generates a smooth CAD type path through points that you programmed without the need for expensive CAD/CAM system. You simply indicate the beginning and end of the spline motion and CAD Path automatically generates a smooth spline path through the points you entered right at the control.

DXF Translator

The SuperControl also offers a DXF Translator function. Most CAD systems, including popular low cost PC based systems can output the part design in a format called "DXF level 12". Normally this data must then be processed through a CAM package and a post processor to obtain a part program. Using the DXF Translator, the CAM information can be entered on the drawing itself as text information. The SuperControl will then automatically convert the resulting DXF file to a CNC part program.

The DXF Translator is ideal for companies that already use a simple CAD system but do not have a compatible CAM package or post processor. In many cases, parts of existing drawings can be easily converted to part programs using this feature.