Stainless Steel "J" Tape

**Objective:**
To heat a stainless steel "J" tape to 300°F from room temperature at a rate of 15 feet per minute. The material is to be heated to aid in forming the "J" shape from flat stock.

**Material:**
Stainless Steel "J" Tape measuring 0.562" wide, 0.028" thick and continuously fed.

**Temperature:**
300°F

**Application:**
The Ameritherm Nova 1, 1kW output solid state induction power supply along with a fifteen (15) turn rectangular helical coil were found to produce the following result:

- 300°F was reached on a 6" section within 2 seconds in a static test which translates into over 15 feet per minute.

**Equipment:**
Ameritherm Nova 1, 1kW output solid state induction power supply including one (1) remote heat station containing one (1) capacitor with a value of 1.2 µF, and a unique fifteen (15) turn oval coil 6" long, 1 1/4" wide and 1" high.

**Frequency:**
112 kHz

*Application Illustration Located on Reverse*