



Curing the Inside Liner of Baby Food Bottle Tops

Objective Heat steel baby food bottle tops to 300 °F (148.9°C) for curing the inside liner.

Material Steel Baby Food Bottle Caps

Temperature 300 °F(148.9°C)

Frequency 373 kHz

Equipment

- Ambrell 7.5kW induction heating system equipped with a remote workhead containing two (2) capacitors equaling 0.125 μ F
- An induction heating coil designed and developed specifically for this application

Process A three turn oval pancake coil is used to cure the inside liner of a baby food bottle cap. The bottle cap travels through the coil at 25" per second to cure 500 caps per minute.

Results/Benefits Induction heating provides:

- Faster & more economical production times and cost
- Low temperature avoids damage to components
- Repeatable results