INDUSTRY GUIDE

Ovens & Furnaces for Packaging, Foil & Container Makers

Foil annealing furnaces, lacquer and ink curing ovens, drum baking ovens and shrink tunnels for packaging.

Packaging makers use heat at several stages. Aluminium foil is annealed to burn off rolling oil and make it soft. Tinplate and cans are lacquered and printed, and the coatings are cured. Steel drums and barrels are painted and baked, and finished goods are shrink-wrapped. Each process has its own temperature and time, from long, low foil anneals lasting days to cure cycles of a few minutes.

Heating processes in this industry

Aluminium foil final anneal	about 250–300°C for 30–60 hours
Foil intermediate anneal	about 300–450°C
Tinplate lacquer cure	about 150–205°C for 10–12 minutes
Tube and can internal lacquer	about 250°C
Printing ink drying	about 60–120°C
Drum and barrel paint baking	as per paint data sheet, in batch or tunnel ovens
Shrink packing	electric tunnel up to 300°C

Equipment AHS builds for this industry

- Annealing Furnace
- Low Temperature Annealing Oven
- Tin Printing Oven
- Lacquer Curing Oven
- Cap and Label Curing Conveyor Oven
- Shrink Packaging Machine
- Paint Baking Oven
- Conveyor Tunnel Oven

Why AHS

- Drum and barrel makers are among our oven buyers in India
- Electric shrink tunnels with 600/750 mm conveyors, 18–21 kW and one-year warranty
- Annealing ovens and furnaces are our largest family, with close to 800 documents
- Conveyor ovens with zoned pre-heat, heating and cooling, VFD drives and PID thyristor control
- Electric, LPG, PNG, CNG and dual-mode heating
- Building ovens in Delhi since 1991