

Metal Packaging Wicket Oven



Standard Features

- Proprietary supply nozzle design achieves uniform airflow throughout the heating chamber
- Access doors located along the length of the chamber for access to the oven interior above and below the belt
- Explosion relieve provided along roof and sides
- Variable Frequency Drives (VFDs)
- Flat wire wickets with vented runner & nickel plated
- Wicket rail package
- Wicket washer
- Cooling zone
- Wicket pre-heat zone
- Allen-Bradley programmable controller with HMI
- Honeywell UDC-3200 Series temperature controller
- Honeywell circular chart recorder

The purpose of the Wicket Oven is to cure the coating applied to one side of tinplate, aluminum or steel sheets.

The Wicket Oven can be engineered to accommodate various material sheet sizes, cure time and temperature.

To minimize energy consumption the Wicket Oven can be manufactured with higher density insulated walls. The addition of thicker insulated walls will reduce the shell loss by approximately 32%.

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Specification	Wicket Oven
Production Rate	Speeds up to 125 sheets per minute (7,500 SPH)
Maximum Sheet Size	48"x48" (1219.2mm x 1219.2mm) custom sizes available upon request
Product Handling	Flat wire or Patented Tubular Design Chain - 1" or 1.25"
Heating Zones	3-4 Zones
Cooling Zones	16' to 30' (16m to 9.1m) length
Recirculation	Plug style fans
Exhaust	General purpose fan
Electrical Service	220 - 690 volts, 3 phase, 50-60 Hz
Heating Equipment	Natural gas - Maxon OVENPAK® burner
Turn-down ration	30 to 1
Utility Requirements	Natural Gas: 1,000 SCFH @ 1-5 PSI / 1,000 BTU/CU FT; Propane Gas: 400 SCFH @ 1-5 PSI / 2,500 BTU/CU FT
Maximum Operating	430° F (232° C)
Oven Construction	Built with heavy gauge aluminized steel High-density energy-saving insulation Panel type construction Personnel access to the interior of the oven, fan, and burner chamber Designed to meet NFPA and CE requirements
Oven Access Doors	One (1) access door will be provided in the heater box and two (2) personnel access doors in the oven body per zone

