

HIR

Gas Powered Infra-Red Dryer



Standard Features:

- ▷ Energy efficient machine
- ▷ up to 300 fpm
- ▷ High velocity air knives
- ▷ Warm air flash integrated
- ▷ Minimal effect of ambient temperature variations
- ▷ IR penetrates the entire coating
- ▷ Reintroduction of the hot air exhaust into the warm air flash section

High Productivity - Low Operating Costs

Delle Vedove's gas powered infra-red dryers will make your finishing operation more efficient, productive and environmentally friendly. Combined with our 100% transfer efficient vacuum coaters and materials handling equipment, we can provide a complete turnkey finishing system customized to fit your specific needs. Standard lineal configuration dryers operate at speeds up to 300 FPM and speeds up to 500 FPM can be achieved in our lateral drying systems.

Minimal Floor Space Required

IR curing with waterborne coatings is the most attractive and cost-efficient option for quality finishing. Unlike convection ovens that require hot, circulated air to cure coatings from the outside in, IR drying involves the transfer of heat in the form of electromagnetic waves. The energy is absorbed and distributed throughout the entire coating, not just the surface. This prevents blistering, surface skinning, mud cracking and trapping of moisture. Variations in ambient temperature have a minimal effect on IR drying, thus allowing for year round operation, regardless of climate.

Safe and Simple Operation

The Delle Vedove infra-red dryer also incorporates the use of a warm air flash. Using the hot air exhaust from the IR dryer, the warm air flash discharges this air over the substrate through a series of air knives at high velocity. This warm air prepares for the actual curing of the substrate in the infrared section of the dryer.



Type	HIR
Profile width	up to 12 "
Minimum profile length	36 "
Feed speed	50 - 300 fpm
Energy output	up to 1.2 million BTU/hr