GLOBAL FINISHING SOLUTIONS

CONTINUOUS PROCESS **OVENS**

ISO DYNAMIC & RECIRCULATING

Oven heat transfer design is available in both conventional Recirculating and ISO-Dynamic Flow technology. ISO-Dynamic heat transfer designs provide heating cycles 50% to 70% shorter than those required by conventional recirculating designs.



TYPICAL CURING / DRYING CYCLES

Application	Temperature	Conventional	ISO-Dynamic Flow	Time Savings
Powder Curing	375° F - 450° F	30 - 45 min.	8 - 20 min.	> 22 min.
E-Coat	350° F	30 min.	15 min.	15 min.
Liquid (water)	180° F - 250° F	20 - 30 min.	10 - 15 min.	> 10 min.
Liquid (solvent)	180° F - 350° F	20 - 30 min.	6 - 12 min.	> 14 min.
Autophoretic (Acc 800)	230° F	20 - 30 min.	10 - 15 min.	> 10 min.
Dry-Off (water)	250° F - 300° F	10 min.	4 - 5 min.	> 5 min.

APPLICATIONS

GFS provides equipment and services to customers who manufacture a wide range of products – automotive components, major appliances, office furniture, outdoor equipment to name a few.

PROCESS

These modular factory-built convection type ovens operate at temperatures ranging from 100°F up to 600°F. Ovens can be heated with gas, fuel oil or electricity and are designed to move products through the heat zone using a variety of transport systems.

STANDARD FEATURES

- ISO-Dynamic Oven
- Structural Modular Steel Framing
- Exterior Casing (16 ga.)
- Interior Aluminized Skin (18 ga.)
- Steel Headers & Jet Pipes
- Air Blower(s)
- Exhaust Fan(s)
- Control Panel (NEMA 12)
- Temperature Control Instruments
- Combustion Safeguards (FM/IRI)
- Gas Train (FM/IRI)
- Ignition System
- Burner
- Burner Box
- Prime & Finish Paint

- Recirculating Oven
- Structural Modular Steel Framing
- Insulated Aluminized Panels (20 ga.)
- Interior Aluminized Duct (16 ga.)
- Recirculating Blower(s)
- Exhaust Fan(s)
- Control Panel (NEMA 12)
- Temperature Control Instruments
- Combustion Safeguards (FM/IRI)
- Gas Train (FM/IRI)
- Ignition System
- Burner
- Burner Box
- Prime & Finish Paint