

Heat Banks



Fostoria Industries

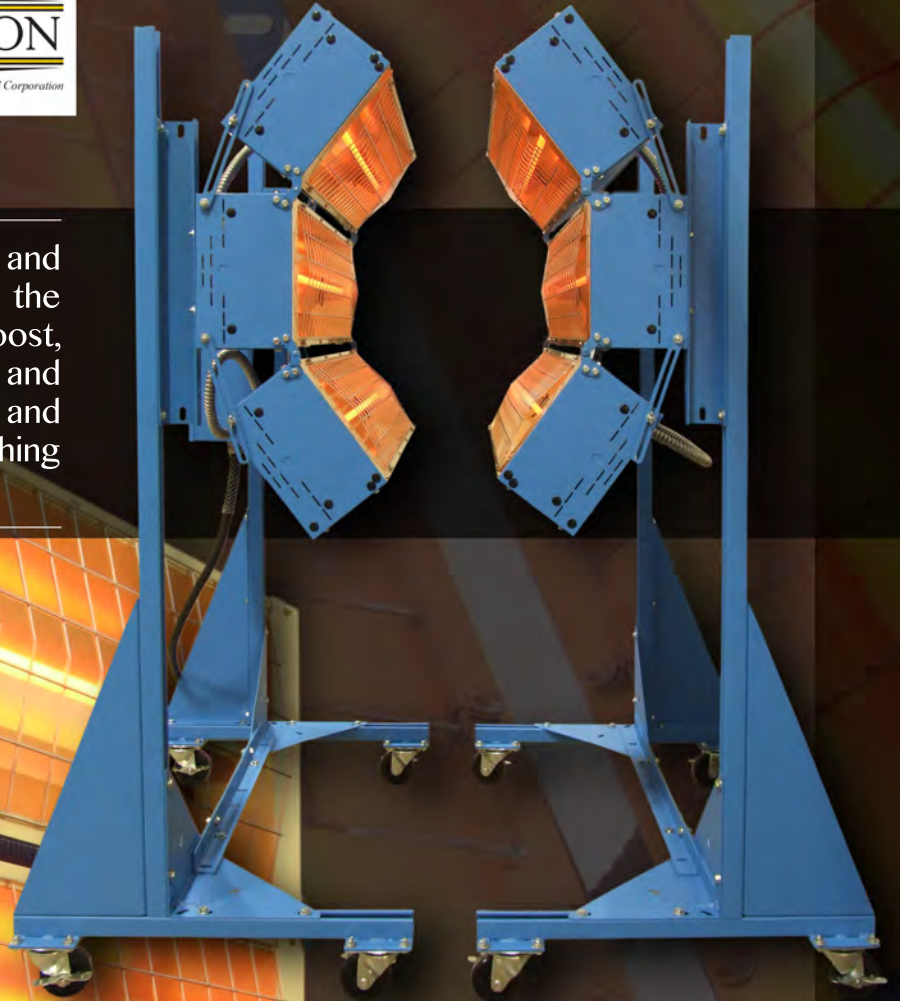
Quality Since 1917

PROCESS EQUIPMENT DIVISION

A Division of TPI Corporation

Portable Infrared Heat Banks

The “modular” portable approach to paint and powder curing creates the flexibility to apply the best infrared emitter for the dry-off, boost, flash-off, gel, pre-gel or total cure application; and this approach includes the simplicity, efficiency and quickness desired to accomplish the finishing process.



- Easy setup
- Quickly move and store
- Process small, medium, large parts
- Heat the product, not the air
- Consistent performance
- Clean and safe
- Small footprint
- Single or three phase
- Short or medium wavelength IR

PORTABLE — FLEXIBLE — EFFICIENT



Powder Coating Institute

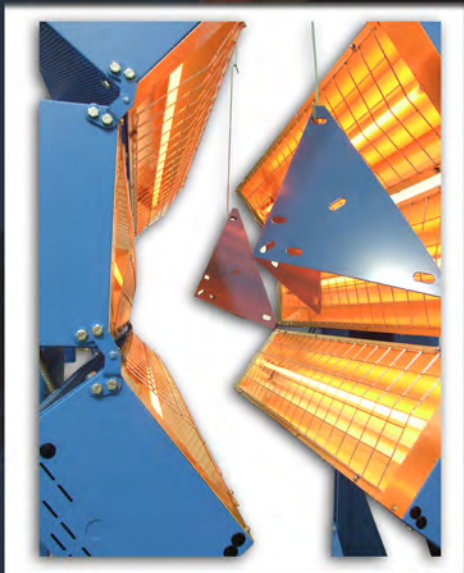
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Standard/Basic Models * Customized Designs Available

MODEL #	# Sections per Bank	EMITTERS PER BANK	WATTAGE PER BANK	VOLTAGE / PHASE	AMPS PER BANK	PATTERN PER BANK	HEIGHT	SHIP WT. (LBS)
FPB44-H1-28.8	3	(3) 2400 Watt	14.4 KW	240/1	60A	33"H x 44"W	75"	190
FPB44-H1-38.4	4	(4) 2400 Watt	19.2 KW		80A	44"H x 44"W	86"	210
FPB55-H1-36	3	(3) 3000 Watt	18 KW		75A	33"H x 55"W	75"	200
FPB55-H1-48	4	(4) 3000 Watt	24 KW		100A	44"H x 55"W	86"	220

FREE TESTING AND ENGINEERING TO DESIGN AND SPECIFY THE EQUIPMENT FOR THE FINISHING OPERATION

Construction Specifications



- Heat Sections consist of an integral gold anodized aluminum reflector and GAA end caps. Standard reflector disperses IR energy across a 130° pattern with the reflected IR in a tighter 65° pattern.
- Standard section is 11" wide and either 44" or 55" long; optional widths are 5-1/2" and 16-1/2"; optional lengths include 16", 22", 31" and 66" lengths.
- All sections are designed so they can be bolted together side-by-side or end-to-end; making the assembly of small, medium and large banks possible.
- Sections are designed to accept ONE or TWO short wavelength (T-3 lamps), medium wavelength (quartz tubes) or long wavelength (metal sheath) IR emitters; at a wide range of wattages at all standard industrial voltages. All sections/banks can be wired for single or 3 phase operation; and in series, parallel or combinations to suit the process and controls requirements.
- Sections are mounted to a heavy-duty steel stand with durable and lockable casters for ease of mobility and stability. Stands can be adjusted to accommodate various width heat sections.
- Optional blowers can be integrated into heat sections to add air to the finishing or dry-off process; and to wick away moisture during the cure of water based coatings.
- All standard model banks have a 200A rated disconnect, with ON/OFF switch with lockable handle.

Advantages of Electric Infrared Heat:

- Focus the IR at the product and heat the coating, not the air. Instant on-off, no wasted time bringing emitters up to temperature.
- Consistent performance through effective control of the amount of heat required, even if pass through or dwell times vary; many control options are available.
- These IR banks use very little floor space, especially when compared to conventional curing ovens.
- Less capital expense, modular design and comparatively less component and structural costs translate into lower cost.
- Clean and safe, no by-products of combustion. Very little maintenance required and no moving parts on the IR banks.