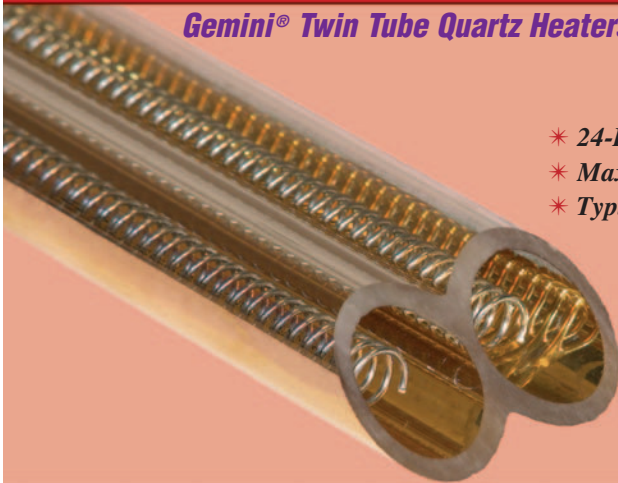


### Medium Wave Infrared E-Mitters

Tempco has developed specialized coatings to control the directional nature of the infrared energy emitted from the Gemini twin bore heaters. High levels of energy reflection are achieved by selectively bonding an integral high temperature coating to the half-hemisphere of the quartz tube surfaces facing away from the targeted sur-

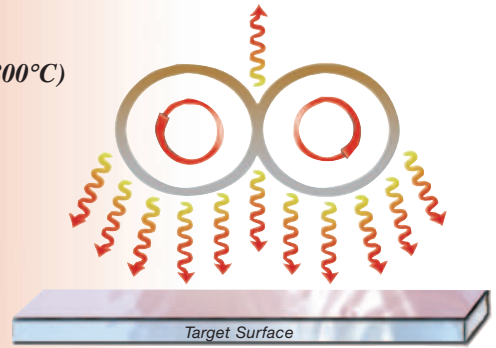
face. The choice of a gold or white ceramic coating depends on the maximum operating temperature required in the heating system. Also available is a clear 360° E-Mitter for use in applications that will employ external reflective or focusing surfaces around the heater.

#### Gemini® Twin Tube Quartz Heaters with Gold Back Coating



95% Heat Reflection toward working surface

- \* 24-Karat Gold Back Coating
- \* Maximum Coil Temp 1472°F (800°C)
- \* Typical Applications:
  - Glass Processing Industry
  - Paper and Textile Industries
  - Plastics Industry

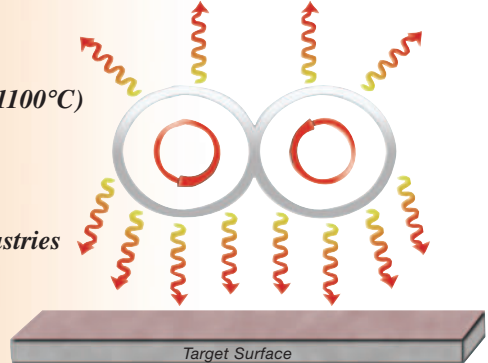


#### Gemini® Twin Tube Quartz Heaters with White Ceramic Back Coating

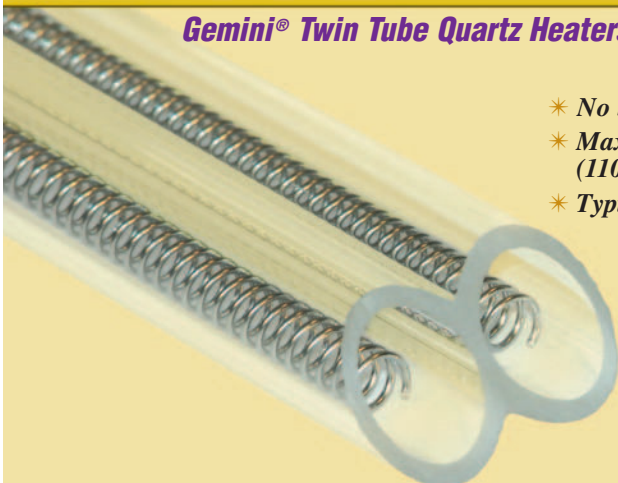


75% Heat Reflection toward working surface

- \* White Proprietary Formula Reflective Back Coating
- \* Maximum Coil Temp. 2012°F (1100°C)
- \* Typical Applications:
  - Stress Relieving of Metal Components
  - Drying Foils
  - Paper and Textile Industries



#### Gemini® Twin Tube Quartz Heaters Without Coating (for external reflector)



360° Heat Radiation

- \* No back coating
- \* Maximum Coil Temp. 2012°F (1100°C)
- \* Typical Applications:
  - PVC Panel Coating Cure
  - Curing Coating on Rubber Seals
  - Powder Coating Industry
  - Wood Processing Industry
  - Culinary Arts Industry

