Infrared Heat for Laminated Glass Separation

TARGETED LINE HEATING

Heat only the PVB line. Separate without bulk heat.

Fast medium-wave heat targets the prepared cut.

6 m MAX. CUSTOM EMITTER LENGTH*

* Final design subject to specification review.



THE PROCESS CHALLENGE

Laminated glass combines two or more glass sheets with a PVB interlayer. After the glass is scored and broken along the cutting line, the interlayer can remain intact and prevent clean panel separation.

THE INFRARED APPROACH

A YFR FMW emitter directs heat into the opened cut line. The exposed PVB is softened without contact, allowing the panels to be pulled apart or finished with a cutting tool. The process can be integrated into automated cutting equipment.

1. **SCORE** — Prepare the line
2. **BREAK** — Open the glass cut
3. **HEAT** — Soften exposed PVB
4. **SEPARATE** — Pull or finish cut

APPLICATION FEATURES

- Localized radiant heat at the prepared cutting line
- Fast response for controlled on-off or power regulation
- Twin-tube quartz construction for stable long-length geometry
- Gold reflector helps direct energy toward the target side
- OEM and replacement designs based on drawings or samples

DESIGN NOTE

Confirm glass build-up, thickness, line speed, working distance, cooling method and machine controls before final emitter selection.

AVAILABLE CONFIGURATION

MAX. CUSTOM LENGTH	6 m
EMITTER TYPE	Fast medium-wave twin-tube
TUBE STRUCTURE	Quartz twin tube
REFLECTOR	Gold, partial or custom coating
CUSTOM OPTIONS	Voltage, power and heating zones
INTERFACE	Terminals, lead wires and mounting

Huai'an Infrared Heating Technology | YFR Infrared Heating

Custom quartz IR emitters | Replacement support | OEM integration

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