

Application**brief**

Eclipse Product: ThermJet Burners

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Application: Annealing Bell Furnace

Description:

Process:	Annealing after draw. 9-20 gauge.
Load:	20,000 Lbs.
Cycle:	4 Hour heat and cool.
Temp:	1500° F

Mar-Mac had ten North American 4423-3 burners with block holders. Flame safeguards were Honeywell RA890F. Valve train was in poor condition. System was designed to shutdown with single burner failure.

System was problematic.

- Burner failures, block failures and flame impingement on inner container.
- Loss of production due to burner problems.
- Quality problems due to interrupted cycles.
- Difficult to set up and maintain burners.

We replaced the burners with ten TJ040, Medium Velocity ThermJet burners with Alloy Tubes. Main valve train was shipped prepiped and wired.

Veri-Flame controls were sold and installed by Mar-Mac. System was designed to allow burners to be shut down if not needed.

Equipment Supplied.

- 2) KDI MVD valves used at each burner.
- SMJ Blower with inlet filter.
- Piped and wired main gas valve train.
- 10) VeriFlame controls.
- 1) Eclipse 2300 High temperature limit.



Before



After

See page 2 for additional before and after pictures.

Before



After

