

Application**brief**

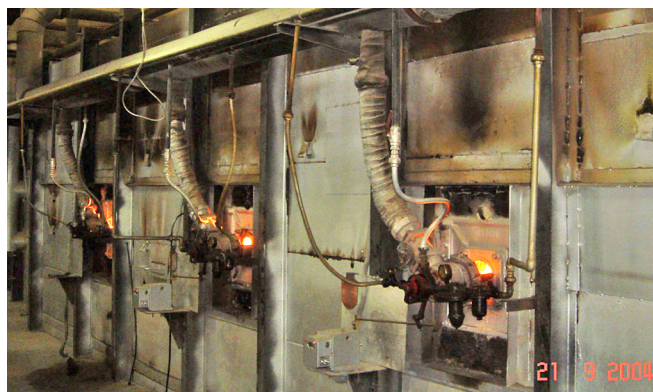
- Eclipse Product:** ThermJet PCA burners
- Submitted by:** Suryadi Boesman – PT. Pico Resksa Pratama – Indonesia
- Application:** Upgrade Fire Brick Tunnel Kiln
- Description:** PT. Indoporlen is the largest fire brick manufacturers in Indonesia. The company is a joint venture with a Japanese company and the furnace has been operating more 26 years. Due to several problems and the high cost of operation with oil burners, they decided to upgrade to gas burners, a new control panel and gas train for a complete system.
Old burner : Diamond burner - Japan
Total number of burners : 10

Application Solution

We selected the Eclipse TJPCA0150 medium velocity burner with block & holder option. We supplied 10 new burners complete with gas train, control panel, veriflame burner control and the system was designed to allow burners to be shut down if not needed.

Customer benefits

- Highly efficient burner provides lower fuel bills.
- Flame relay with UV scanner provided constant monitoring of the flame and relighting after power or limit interruption.
- Automated temperature control provided much better temperature control for each zone.
- Improved the efficiency of their furnace, improved product quality and increased production up 30 %.
- Lower maintenance costs, easy to set up, rapid capital investment payback.



Installation before upgrade



System during installation



System in operation



Closeup of burner and valve train

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