Infrared Paper Dryers

Needs Document

Distributed Megawatts

Blake Peck
Rob Schaerer
Jay Hudkins
Carl Lee
**Customer Needs**

**Improve current wave forms drawn by infrared paper dryers**

* The firing controller decreases Total Harmonic Distortion and crest factor.

**Passable quality at a high speed**

* The firing controller operates such that passable quality paper is produced at as high a speed as possible.

**Maintains current systems temperature level fluctuations**

* The firing controller runs the dryer at either 0% power (off) or greater than 23% power.

**Put more power through the same system**

* The firing controller operates such that more power can be put through the same system without engaging system protection circuitry.

**New firing controller is completely compatible with current system**

* Firing controller receives the RS 485 input from the power computer.
* Firing controller handles external error triggers.
* Firing controller has breaker control
* Firing controller controls 96 zones running at 480 V – 3 phase.
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