HR2 Zone Heater Development Update and HFG Calibration Unit Update

International Aircraft Materials
Fire Test Forum Meeting
Cologne, Germany
June 2019

Background

Background

Zone Heater was developed to eliminate Globars and to provide a more uniform and safer heater assembly

Background

Zone Heater was developed to eliminate Globars and to provide a more uniform and safer heater assembly

First prototype used two heating zones

Background

Zone Heater was developed to eliminate Globars and to provide a more uniform and safer heater assembly

First prototype used two heating zones

FAA tests showed more efficient heating (less current) but not enough zonal adjustment

Background

Zone Heater was developed to eliminate Globars and to provide a more uniform and safer heater assembly

First prototype used two heating zones

FAA tests showed more efficient heating (less current) but not enough zonal adjustment

Three zone unit developed and being sent to FAA Technical Center for further evaluation











Questions?

Background

Background

MarlinEngineering has been developing a new calibration unit in conjunction with the FAA Technical Center to provide a more economical calibration process while meeting the latest FAA guidelines.

Background

MarlinEngineering has been developing a new calibration unit in conjunction with the FAA Technical Center to provide a more economical calibration process while meeting the latest FAA guidelines.

First Prototype was sent to FAA Technical Center and evaluated. Some changes in software were made and unit performed well

Background

MarlinEngineering has been developing a new calibration unit in conjunction with the FAA Technical Center to provide a more economical calibration process while meeting the latest FAA guidelines.

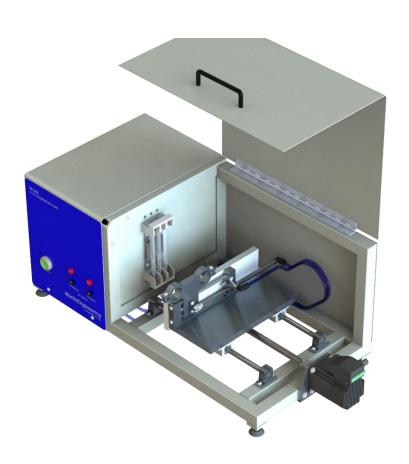
First Prototype was sent to FAA Technical Center and evaluated. Some changes in software were made and unit performed well

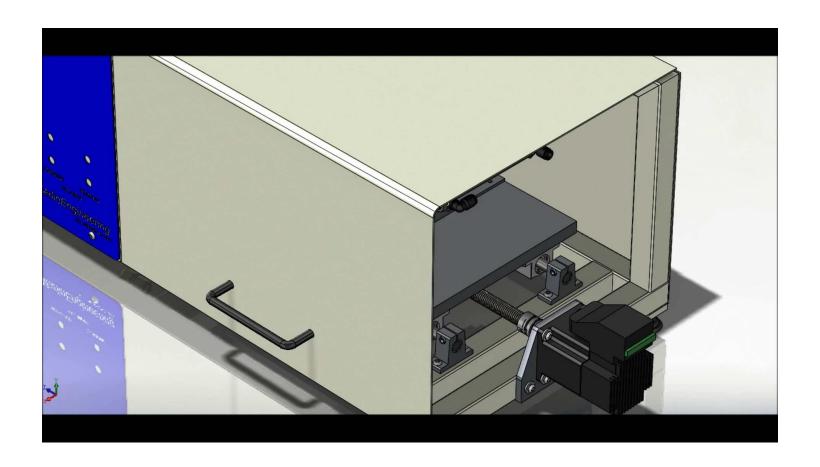
Boeing Metrology, Tom Valenti, was asked to review the unit and provided good feedback on some modifications

Background

Version 2 incorporating the modifications is now being manufactured and will be shown to Boeing prior to be sent to FAA Technical Center for further evaluation







Questions?