



# FLASH STOP



BACKFIRE PREVENTING SYSTEM  
FOR SIDE WALL BURNERS AND INJECTORS

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## BACKFIRE PREVENTING SYSTEM FOR SIDE WALL BURNERS AND INJECTORS

The **FLASH STOP** system has been developed to prevent accidental damages due to oxygen and fuel backfiring in the copper front face, injector tip and water cooled panels caused by the presence of a thick piece of heavy scrap in front of the injector tip.

The system is made up of temperature sensors continuously detect the variance of the copper temperature. In case of backfiring, the temperature on the front panel will rapidly increase over the alarm threshold. Then, the automation system will automatically reduce the burner power or switch-off the injector. As soon as the temperature returns to its normal value, the system will turn on the injector again.



INCREASED LIFE TIME  
OF INJECTOR TIPS, COPPER  
BLOCKS AND WATER COOLED  
PANELS



ADDED SAFETY BY REDUCING  
WATER LEAKAGES INSIDE  
THE EAF

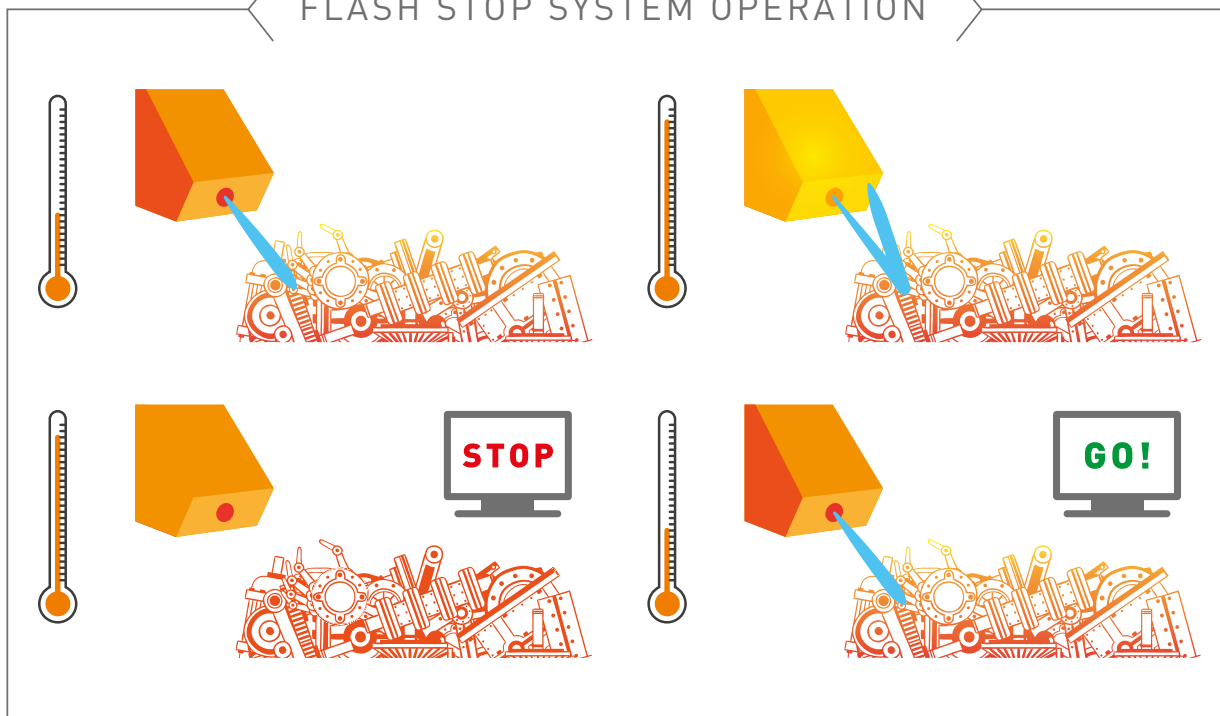


HIGHER BURNER EFFICIENCY



REDUCED MAINTENANCE

### FLASH STOP SYSTEM OPERATION



**MORE**



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