

SF11 HIGH TEMPERATURE IMAGING SYSTEMS

BOILERS - KILNS - FURNACES - INCINERATORS



SF11

SF11 PIII

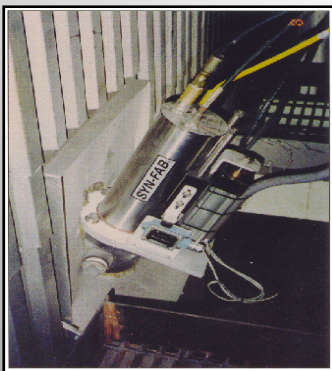
SYN-FAB® SF11 series imaging systems utilize the same high temperature enclosures and cameras as our SF12 series, but each SF11 series system is available with a 3" or 12" furnace lens that has an adjustable field of view. The SF11C is fitted with a color camera and is typically mounted at grate level in power boilers or other areas that do not have refractory wall thickness exceeding 8". The SF11SP is a special version of the SF11 that is typically used to monitor carryover in upper furnace areas and is fitted with an IR camera.

SF11 - SYSTEM FEATURES

► Quick-change system design for easy installation and maintenance ► Proprietary **Bright Image Optical System** for sharp images ► Modular configuration for easy option add-ons and upgrades ► Compact, easy to handle design ► Indestructible synthetic (SF11) or **STEELON™** (SF11 PIII) housings to protect (IP66) electronic components ► Advanced lens design for low air consumption, various fields of view and easy assembly/disassembly ► High performance, ruggedized cameras for increased durability (NTSC, PAL, Ethernet cameras available) ► Loaner systems and 24 hour service for emergencies

SF11 - SYSTEM OPTIONS

► Balanced draft and positive pressure wall boxes for permanent/semi-permanent installation ► 3" or 12" lens lengths with straight ahead line of sight ► Automatic retract assemblies ► Image processing and analysis equipment for carryover/particulate equipment ► Portable system configuration and cart assembly for diagnostics and testing ► Air filtration systems ► Digital recorders, monitors, switchers and other video equipment ► Fiber optic, coax, Ethernet, or wireless video/data transmission ► Remote or integral camera electronics and controls ► Custom options for special needs



SF11 - BENEFITS TO OPERATORS

► Helps maximize efficiency and capacity by showing fuel and air flow in the burning zone ► Reduced emissions by improving performance ► Increased safety margins by helping detect tube leaks and other problems before major damage occurs ► Helps reduce slag, clinker and ash build-up resulting in fewer shutdowns and lower maintenance cost ► Aiding start-ups and troubleshooting burner malfunctions ► Helps in shaping and positioning fuel beds

SYN-FAB® INC.

HIGH TEMPERATURE & INDUSTRIAL PROCESS MONITORING SYSTEMS

7863 Schillinger Park Road ▪ Mobile, Alabama ▪ 36608 ▪ USA
Phone +1 251-633-4942 ▪ Fax +1 251-633-2514



www.synfab.com

