

## ETC6000 Series Burner Management System

### *The ETC6000 Product Range*



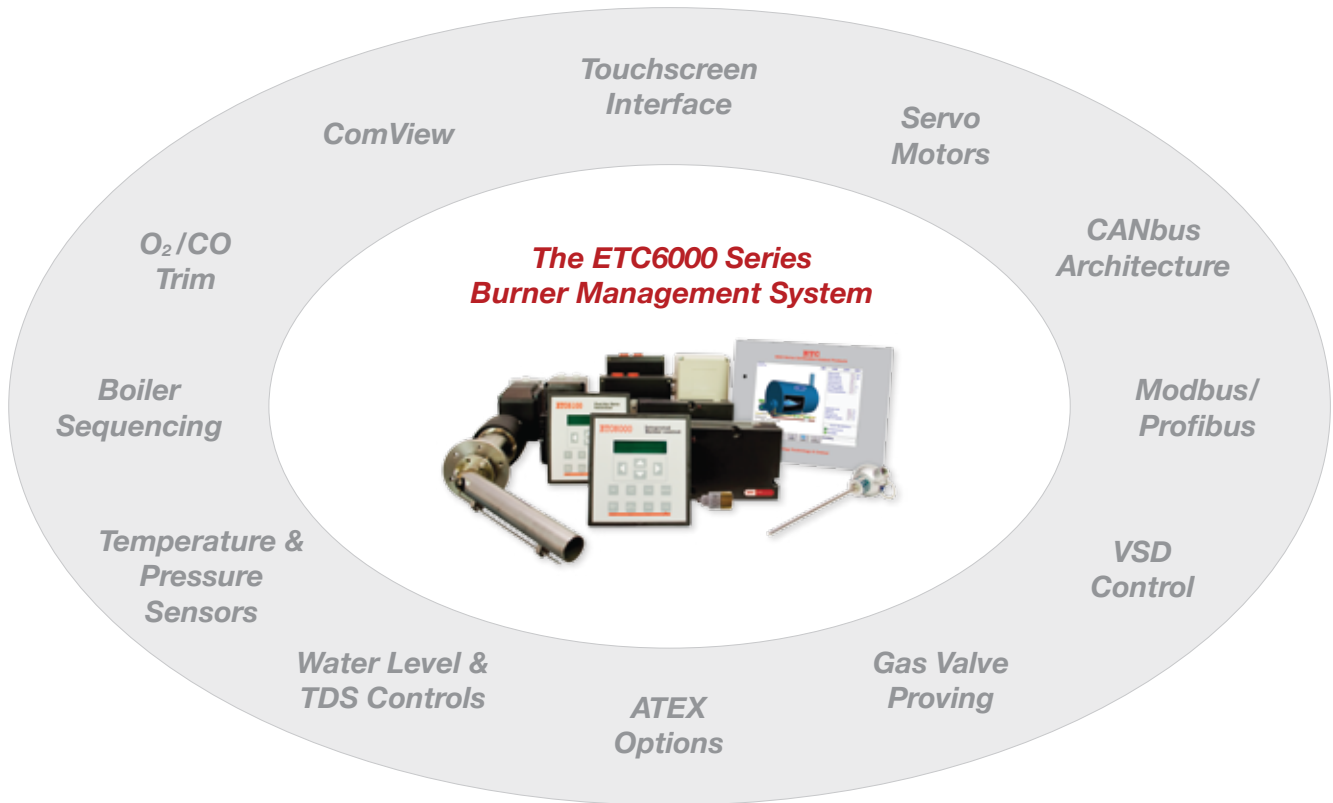
The ETC6000 Series Burner Management System offers complete and flexible solutions to industrial burner users. Applications include steam and hot water boilers, oil heaters and process driers. The ETC6000 controllers are suitable for use with single and dual fuel burners as well as with twin fired boilers.

Fuel prices and pressure to reduce CO<sub>2</sub> emissions are prompting industrial boiler operators to look at ways of improving efficiency. If your boiler uses a conventional mechanical linkage control system then you are almost certainly wasting fuel. By installing an electronic Burner Management System savings of over 10% can be made in fuel usage, running costs and CO<sub>2</sub> emissions.

Further efficiency improvements and cost savings can be made by adding Oxygen Trim and VSD control options.

The ETC6000 replaces mechanical linkages and characterising cams with accurate and repeatable servo motors to position fuel and air drives. Up to four fuel:air profiles can be set for each burner in the safe knowledge that each time a profile is selected the servo motor positioning will be repeatable throughout the firing range. In the event of a burner system failure the burner will shutdown allowing the fault to be investigated and rectified.

A comprehensive range of ancillary devices allows complete Burner Management Systems to be configured. The ETC6000 is suitable for both single and multiple boiler applications. Where more than one boiler is used, ETC6000 controllers can be networked using RS-485 communications. The ETC6000 boiler sequencing utility enables up to four boilers to be sequenced.



**Benefits include:**

- Fuel savings of up to 10% over conventional mechanical linkage based systems
- Associated cost savings & CO<sub>2</sub> emission reductions
- Integrated or Fuel Air Ratio Controller models
- Improved turndown
- Oxygen and CO trim options
- Setback option allows lower setpoint during low periods of demand
- Flexibility to address most boiler applications
- Suitable for use with single and dual fuel burners as well as with twin fired boilers
- Reduced boiler maintenance
- Prolonged boiler life
- Choice of user interfaces including a dedicated 10.4" touchscreen
- Interfacing to Building Management Systems and other third party systems using communication protocols such as Modbus & Profibus
- A range of ancillary devices including servo motors and self checking boiler temperature & pressure sensors
- Water level & TDS Control
- Worldwide standards approvals

*For a complete specification or to arrange a demonstration of the ETC6000 contact ETC at the address below*

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