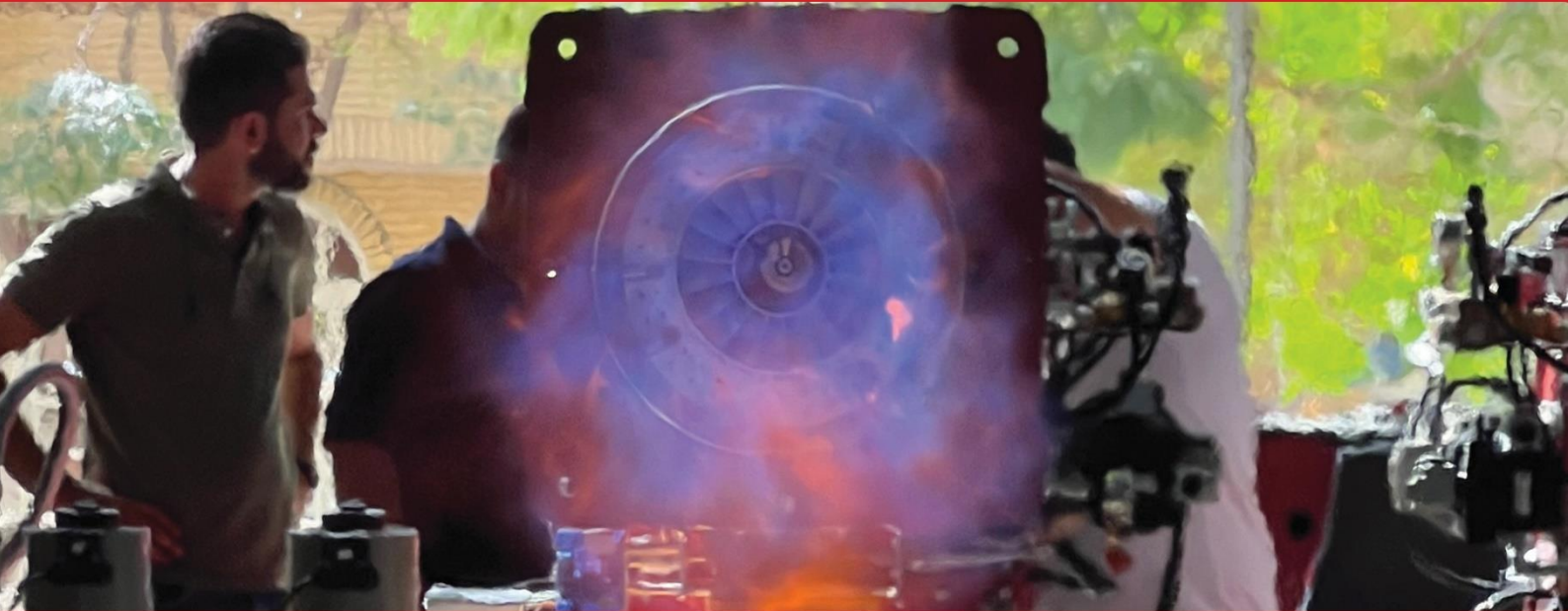


- raadman -  
Burner



- SMILE INTO THE FUTURE -



### Staging Mono Block Burners

**Capacity Range:** 160 kW to 6,200 kW

**Fuels:** Natural Gas, LPG, Light Oil

**Operation:** Staging

**Control System:** Siemens LFL

**Pollution Class:** II or III Class of NOx According to the BS-EN 676 and BS-EN 267

**Advantages:** Cost Effective, Optimal Design, High Modulating Ratio, Low Sound Emission, Ease of Installation and Maintenance, Low Excess Air Operation (Higher Efficiency)

**Design Standards:** BS-EN 676, BS-EN 267

**Application:** Hot Water Boilers, Steam Boilers, Thermal Oil Boilers, Condensing Boilers, Fire Box Boilers, Dryers, etc.



### Mechanical Staging and Mechanical Modulating Mono Block Burners

**Capacity Range:** 300 kW to 6,200 kW

**Fuels:** Natural Gas, LPG, Light Oil

**Operation:** Mechanical Staging/Mechanical Modulating

**Control System:** Siemens LFL

**Pollution Class:** II or III Class of NOx According to the BS-EN 676 And BS-EN 267

**Advantages:** Cost Effective in Comparison to Electrical Modulating Burners, Optimal Design, High Modulating Ratio, Ease of operation, Low Sound Emission, Ease of Installation and Maintenance, Low Excess Air Operation (Higher Efficiency)

**Design Standards:** BS-EN 676, BS-EN 267

**Application:** Hot Water Boilers, Steam Boilers, Thermal Oil Boilers, Condensing Boilers, Fire Box Boilers, Dryers, etc.



### Electrical Modulating Mono Block Burners

**Capacity Range:** 160 kW to 25,000 kW

**Fuels:** Natural Gas, LPG, Light Oil, Heavy Oil

**Operation:** Electrical Modulating

**Control System up to 6 MW:** Siemens LMV 2&3, Lamtec BT3

**Control System Higher than 6 MW:** AutoFlame Mini MK8 & MK8, Siemens LMV 5

**Pollution Class:** II or III Class of NOx According to the BS-EN 676 and BS-EN 267

**Advantages:** High Precisions, Air/ratio PID Control via Independent Actuators, Optimal Design, High Modulating Ratio, Lack of Hysteresis Error, Low Sound Emission, Ease of Installation and Maintenance, History of Errors, Intelligent Operation, Low Excess Air Operation (Higher Efficiency)

**Design Standards:** BS-EN 676, BS-EN 267

**Application:** Hot Water Boilers, Steam Boilers, Thermal Oil Boilers, Water Tube Boilers, Furnaces, etc.



### Premixed Burners

**Capacity Range:** 125 kW to 4,000 kW

**Fuels:** Natural Gas, LPG

**Operation:** Electrical Modulating

**Control System:** Siemens LME 7

**Pollution Class:** Ultra Low NOx According to the BS-EN 676

**Advantages:** Optimal Design, High Modulating Ratio, High Performance Suitable for Condensing Boilers, Low Sound Emission, High Efficiency

**Design Standards:** BS-EN 676

**Application:** Fire Tube Boilers, Condensing Boilers.







### Dual Block Burners

**Capacity Range:** 1,000 kW to 45,000 kW

**Fuels:** Natural Gas, LPG, Light Oil, Heavy Oil

**Operation:** Electrical Modulating

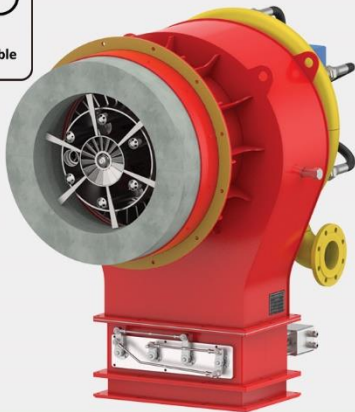
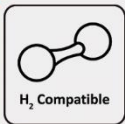
**Control System:** AutoFlame Mini Mk8 & Mk8, Siemens LMV 5

**Pollution Class:** II or III Class of NOx According to the BS-EN 676 And BS-EN 267

**Advantages:** Dual Block Optimal Design, High precisions, Air/ratio Control, Modular Configuration, High Modulating Ratio, Air/ratio PID Control Via Separate Actuators, Low Sound Emission, Ease of Installation and Maintenance, History of Errors, Intelligent Operation, Low Excess Air Operation (Higher Efficiency)

**Design Standards:** BS-EN 676 And BS-EN 267

**Application:** Hot Water Boilers, Steam Boilers, Thermal Oil Boilers, Water Tube Boilers, Furnaces, etc.



### Hydrogen Burners

**Capacity Range:** 10 MW to 60 MW

**Fuels:** Hydrogen, Purge Gas, Off Gas, Natural Gas, Light oil, Heavy Oil

**Operation:** Electrical Modulating

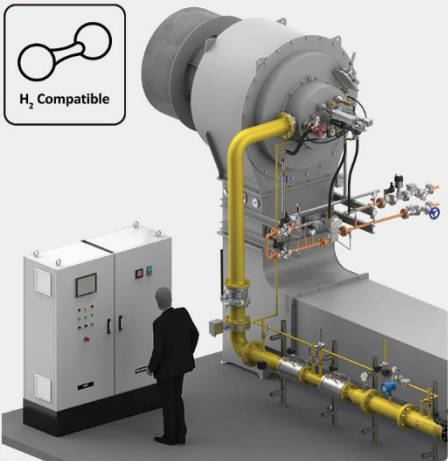
**Control system:** AutoFlame Mini MK8 & MK8 / Customized control system

**Pollution Class:** According to API 535

**Advantages:** Optimal Design, Optimized Flame Geometry, Modulating Operation, Low Sound Emission, Ease of Installation and Maintenance

**Design Standards:** BS-EN 676, BS-EN 267, API 535

**Application:** Water Tube Boilers, Petrochemical Furnaces



### Water Tube Boiler Burners

**Capacity Range:** 2 MW to 60 MW

**Fuels:** Hydrogen, Purge Gas, Off Gas, Natural Gas, LPG, Light Oil, Heavy Oil

**Operation:** Electrical Modulating

**Control System:** AutoFlame Mini Mk8 & Mk8 / Customized Control System

**Pollution Class:** According to API 535

**Advantages:** Optimal Design, Optimized Flame Geometry, Modulating Operation, Low Sound Emission, Air/fuel Staging for Low NOx Operations, Durable and Robust Operation.

**Design Standards:** NFPA85, API 535

**Application:** Water Tube Boilers, Petrochemical Furnaces, Reformers



### Multi Flame Burners

**Capacity Range:** 600 kW to 10,500 kW

**Fuels:** Natural Gas, LPG, Light Oil, Heavy Oil

**Operation:** Electrical Modulating

**Control System up to 6 MW:** Siemens LMV 2&3, Lamtec BT3

**Control System Higher than 6 MW:** AutoFlame Mini MK8 & MK8, Siemens LMV 5

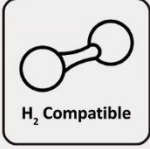
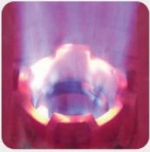
**Pollution Class:** III Class of NOx According to the BS-EN 676 and BS-EN 267

**Advantages:** Optimal Design, High Modulating Ratio, High Performance Suitable for Water Tube Boilers, Low Sound Emission, Optimized Flame Geometry

**Design Standards:** BS-EN 676, BS-EN 267

**Application:** Water Tube Boilers, Dryers.





### Process Burners

**Capacity Range:** 1.3 MW to 8 MW

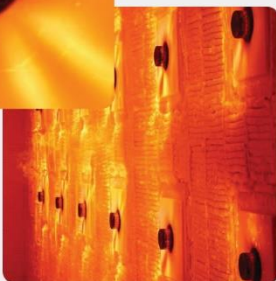
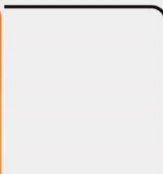
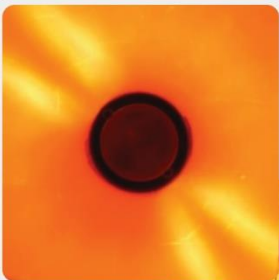
**Fuels:** Natural Gas, Refinery Fuel Gas, Refinery Purge Gas

**Pollution Class:** 15 ppmvd

**Advantages:** Ultra Low NOx, Compact Stable Flame, Available in A Wide Range of Sizes, Compatibility with Various Fuels Such as Natural Gas and Hydrogen Blends, High Turndown, Easy Operation, Low Maintenance, Radial Air Register That Ensures Optimal Air Distribution and Control

**Design Standards:** API 535

**Application:** Fired Heaters, Reformers or Other Furnaces in The Petrochemicals Industry



### Radiant Wall Burners

**Capacity Range:** 100 kW to 1000 kW

**Fuels:** Hydrogen, Natural Gas

**Operation:** Manual

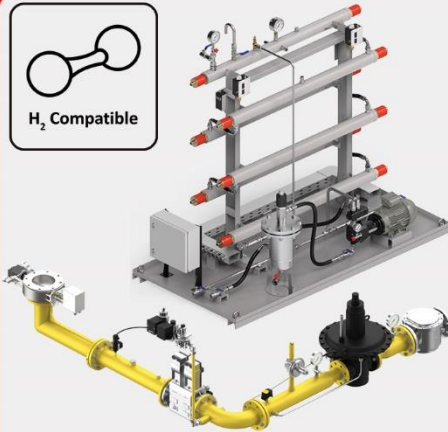
**Pollution Class:** According to API 535

**Advantages:** Optimal Design, Round Flat Flame, Low Sound Emission, Ease of Installation and Maintenance

**Design Standards:** API 535

**Application:** Petrochemical Furnaces

Raadman Radiant Wall Burners Ensure stable, flashback-free operation with perfectly symmetrical flames, making them ideal for high-temperature applications such as reformers and ethylene cracking furnaces. Designed for reliability and efficiency, they deliver Ultra-low NOx emissions and consistent performance.



### Fuel Skid (Gas/Light Oil/Heavy Oil)

**Gaseous Fuel:**

**Capacity Range:** Customized

**Pressure Range:** Up to 10 Bar

**Relative Standard:** BS-EN 676, NFPA 85, API 535

**Components:** Filter, Multi Block or Separate Valves, Regulator, Pressure Switches, Pressure Gauges, Customized Collector and Connectors, and Other Essential Accessories

**Liquid Fuels:**

**Capacity Range:** Customized

**Pressure Range:** Up to 40 Bar

**Relative Standard:** BS-EN 267

**Components:** Strainer, Solenoid Valves, Regulator, Heater (If required), Pump and Motor, Pressure Transmitters, Pressure Gauges, Customized Piping, and Other Essential Accessories

### Burner Ventilation System (BVS) and Raadman Motor Starter (RMS)

**Air Flow Rate:** 8,000 Nm<sup>3</sup>/hr. to 150,000 Nm<sup>3</sup>/hr, customized sizes are also available.

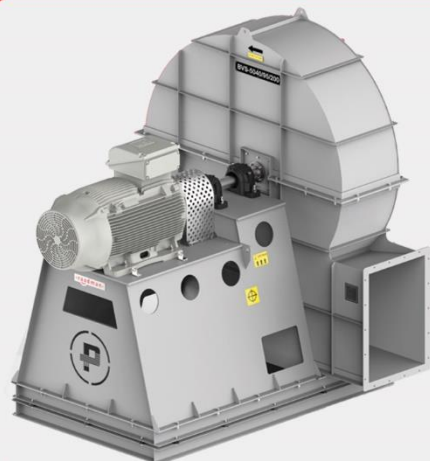
**Design Specifications:** SWSI or DWDI Design, Capable to Design in Various Arrangements

**Fan Speed:** 1500 RPM or 3000 RPM with (without) VSD/VFD

**Advantages:** Electrically Efficient, Optional Silencer and Sand Trap Louvers, Ease of Installation and Maintenance, Durable and Robust Operation.

**Standards:** API 673, AMCA 210

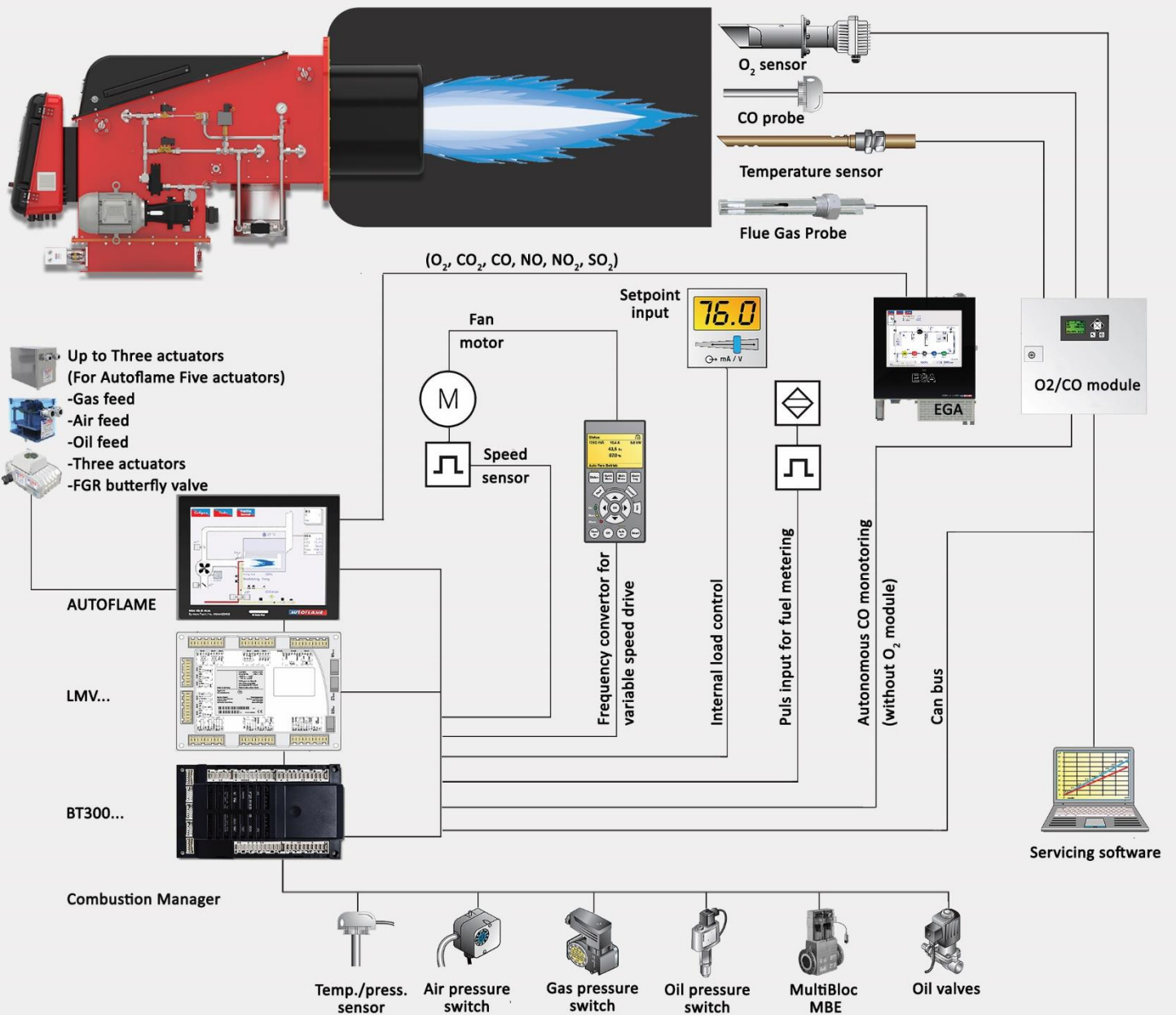
**Application:** Dual Block Burners, Water Tube Boiler Burners, Process Burners







## Electrical Modulating Burner Management System







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