

Infrastructure

Manufacture Location in Pune
Eclipse Combustion employs 55 Technical Manpower.

Design

Capabilities for combustion system design consisting of Systems Logic Start /Operation/Shutdown sequence fuel trains, Air trains, Safety Systems, Electrical/Electronic controls.

Manufacturing Capabilities

Primary fabrication & assembly facilities for burners & combustion systems. The Castings /Machining is done through sub contractors.

Major Inspection and Testing

Testing of small oil burners, Leak Test, Functional test, Pollution controls testing.

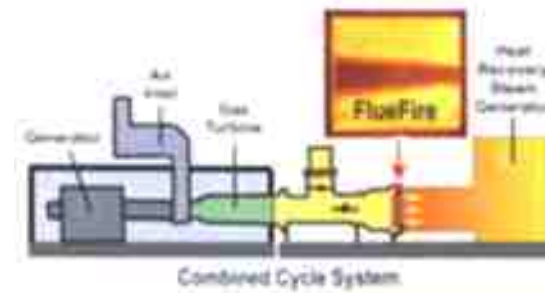


Financials

Year	Turnover (USD)	Exports (USD)	R & D Expenditure (USD)
2002 - 2003	1,975,1867	36,19,604	
2003 - 2004	2,8715,024	50,91,622	
2004 - 2005	5,13,77,136	56,81,809	

Export Countries

- Netherlands
- UAE
- Sri Lanka
- China
- Russia
- Saudi Arabia
- Oman.



Technology Arrangement

- Joint Venture
- Manufacturing Licence
- Marketing

Technology Export Development Organisation

A project of Confederation of Indian Industry (CII) & DSIR, Govt. of India

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Eclipse Combustion Pvt. Limited

Estd. : 2002

Product

Air Heating Burners

Furnace Burners

Immersion Burners

Infrared Burners

Air and Fuel Supply Components

Flame Monitoring Systems



Eclipse Inc, USA is established in 1998 and manufacturers of products and system for industrial heating & drying applications, established in 1998 in Rockford, USA.

Eclipse, India is a wholly subsidiary of Eclipse Inc, USA, established in 2002 to serve India/SAARC market with innovative thermal solutions through burners & combustion systems for industrial applications.

Process Air Heating Burners

Eclipse offers the broadest line air heating burners in the industry, more models, more sizes, lower emissions, Easier to install, setup and maintain, simpler fuel: air ratio control and fuel specific orifice plates facilitate initial adjustments and continued smooth, trouble-free operation.

34 Models from 3kw TO 61,540 KW

Product : Mark IV (Nozzle Mixing)

Application: Ovens, Dryers, Baking, Paper, Cloth, Food Products, Packing Film

Product : RatioMatic (Nozzle Mixing)

Application: Dry off and curing ovens, Incinerators, Indirect air heating, Textile Drying, Food Processing /Baking, Annealing, Aluminum Homogenizing

Product : Minimatic (Nozzle Mixing)

Application: Vens, Dryers, Lahers.

Product : Thermal Air/Ratio Air (Nozzle Mixing)

Application: Dry-off curing Ovens, Incinerators, Indirect Air Heating, Textile Drying, Food processing /baking Annealing, Aluminum homogenizing.

Product : Vortmetric (Nozzle Mixing)

Application: Dryers Rotary Kilns, Thermal Fluid Heaters, Thermal Oxidizers, Liquid and waste incineration Boilers.

Product : Air Heat (Nozzle Mixing)

Application: Incinerators Dry-off and curing ovens, Indirect air heating, Textile Drying, Food processing /baking, ceramic drying.

Product : Minnox (Premix)

Application: Food Processing, Malting, Paint finishing, Pulp and Paper, Direct fired food drying, low emissions applications.

Product : AH-MA (Nozzle Mixing)

Application: Natural Gas, Propane, Butane, Makeup air heating, Drying Processes.

Product : Flue Fire (Nozzle Mixing)

Application: Natural Gas, Propane, Butane165, Heating turbine exhaust gases, Spray Dryers, Agricultural Drying, and Incineration.



Organisation Infrastrucure

Furnace Burners

From Thermo jet high-velocity burners to Thermo Thief radiant tube burners, Eclipse furnace type burners improve continuous or batch productivity while reducing energy costs and controlling emissions.

45 Models FROM 9KW to 4029 KW

Product : Thermo jet (Nozzle Mixing)

Applications: Temperature furnaces, Reheating furnaces, Hardening furnaces, Fluidized bed dryers, Thermal oxidizers, Non ferrous melting, Laddle/Tundish, Glass lehrs, Environmental applications, Preheated air.

Product : HVTA/MVTA (Nozzle Mixing)

Applications: Heat Treatment, Kiln Preheating, Stress Relieving, Non Ferrous Melting, Laddle /Tundish

Product : Deep Block Spiral Flame(DSF) (Nozzle Mixing)

Application: Galvanizing furnaces, slot type forge furnaces, Heat treating furnaces.

Product : Deep Block Spiral Flame(DSF-CGO) (Nozzle Mixing)

Application: Galvanizing furnaces, slot type forge furnaces, Heat treating furnaces.



Product : Convecto Flame Burner (Nozzle Mixing)

Application: Forges, Smelters, Billet Heaters, Heat treating furnaces, Oven Kiln.

Product : Auto Recupe (SER) (Nozzle mixing)

Application: Indirect fired furnaces, Tempering, Hardening, Continuous Lines, Annealing, Galvanizing

Product : ThermoThief (TFB) (Nozzle Mixing)

Application: Indirect fired furnaces, Tempering, Hardening, Continuous lines, Annealing, Galvanizing, Liquid Heating.

Product : Bayonet Recuperators

Application: Indirect fired furnaces, Tempering, Hardening, Continuous lines, Annealing, Galvanizing, Liquid Heating.

Product : Bayonet Ultra Recuperators (BU)

Application: Indirect fired furnaces, Tempering, Hardening, Continuous lines, Annealing, Galvanizing.



Immersion Burners

Immersion burners used to heat a variety of liquids from water to cleaning solutions to cooking oils. Since each liquid has a different heat transfer capability, it's important to apply the correct immersion heating burner technology to optimize the combination system.

Product : Immersojet (Nozzle Mixing Technology)

Application: Wash and Rinse tanks, dip tanks, pickling tanks, spray washers, deep fryers, salt baths, quench tanks, water bath heaters.



Product : Immersopak (Nozzle Mixing Technology)

Application: Wash and Rinse tanks, dip tanks, pickling tanks, spray washers, deep fryers, salt baths, quench tanks, water bath heaters.

Gas Valve Trains: Eclipse Gas Valve Trains (Available in 7 sizes 1/2" through 3", Inlet Pressure to 7 psi.



Air & Fuel Supply Components

Atmospheric injectors: Eclipse Atmospheric Injectors are simple low cost adjustable mixers designed to provide an air/gas mixture to one or more burners.

Two Series are available

Low Pressure Use with gases upto 28" WC

High Pressure Use with gases from 1 psig to 30 psig



Pressure Regulators (Rubber seal Proppet type, Straight Thru- Flow type, Double Diaphragm type, Positive Shut off Type)

Sizes available 3/8" to 2 1/2"

Variset- Proportional Mixers

Other Products

Standard burners, Configured Systems, Custom Built Systems for Process Heat, Furnaces, Immersion, Infrared, Oxyfuel, and Air type of burners. Blowers, Boosters, Shut off valves, Proportioning valves, Isolation valves, Flame monitoring equipment, Burner control panels, Pilots rotary actuators and Other accessories will be supplied.



Application

Burners & Combustion Systems, Heat Exchangers, Gas line equipment's for.

Metal Industry Ferrous/Non Ferrous Melting, All Type of heat treatment, galvanizing lines.

Glass & Ceramic High temp direct fired oxy fuel burners.

Air heat industry like :

- Automotive
- Food
- Pharma
- Paper & Pulp
- Textiles.
- Soaps & Detergent Incineration
- Refinery application

Installed Capacity of Major Products

Low Pressure Proportional Mixers

Sizes available: 1" to 4"

Minimixer

Mixing Tees



Material Handled

Casting Cast Iron /Alloy Steel
Bar /Tube / Hardware

Major Customers

Steel authority of India Limited
Lloyds Steel
Jindal Steel
Bharat Heavy Electrical Limited
TATA Motors
Vulcan Engineers
Logicon Engineers
Larsen & Toubro
HNG
Hotline Glass
Gujarat Glass
Samtel
ACE Glass
Haldiram
Fritolay
Flavourite Foods
Wintech Taparia
Honda Motors
Bajaj Auto Limited
Maruti Limited
Suzuki,
General Motors
Rolls Royce
M&M
Yamaha
Eicher
Hero Honda etc.

