



SOLAR WATER HEATER
Sooryaja[®]

Solar Energy in service of Industry



RANGE OF OUR PRODUCTS

- Dryers, Furnaces & Ovens • Spin Flash Dryers • Fluid Bed Dryers
- Heat Exchangers • Resin Plants • Direct Fired Reactors
- Reaction Vessels • Storage tanks & Pressure Vessels • Water Softening Plants
- DM Plants • Distillation Units • Solar Water Heating Systems •



ISO 9001 : 2000 Certified Company



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Company Profile:

Fossil Fuels shall remain the key source of energy in the world. At the same time, over the years, its availability will go on reducing until measures are taken to use them more effectively. In the present scenario concern is not only for its conservation, but also for use in non polluting manner to save the environment. The certification of environmental friendliness will become prerequisites for companies aspiring to be global players.

ENERGY MACHINE is well placed to respond to this emerging scenario. In different ways, the entire range of **ENERGY MACHINE'S** Heat Generation Equipments offer a complete solution to the present demand of Industry. This is backed-up by a highly motivated network of Sales and Service personnel to understand such needs and wants and convert them into Products, Services and Solutions.

Looking to the demand for fuel efficient heat generation equipments in the country, **ENERGY MACHINE** was established in 1982. **ENERGY MACHINE** manufactures a complete range of Heat Generation Equipments like Thermic Fluid Heaters, Steam Boilers, Hot Water Generators, Hot Air Generators etc. which are not only fuel efficient, but economical also with virtually no maintenance.

Since 1974 we are in the field of Heat Generation and Energy Conservation.

Our parent company **WARM STREAM** manufactures variety of wood fired, gas, oil and solar water heaters and has carved for itself a "niche" in the country in this field.

ENERGY MACHINE is also the first ISO 9001:2000 certified Heat Generation Equipment manufacturing company in its category in the country. Energy Machine has the latest State of Art Technology, Design Proficiency and a team of qualified engineers to produce world class, present day equipments to cater to the industries' demands.



ECOTHERM



STEAM BOILERS : ECO Series

'Energy Machine' make ECOTHERM series fully automatic, LDO, FO or Gas Fired on-ethrough, package type boilers are much popular with all type of industries. They are fully assembled, piped and wired at the factory which make them ready to use on arrival at the customer's place. It generates steam within four minutes of starting and then onward operates at pre-determined parameters. They offer 88% ± 2% efficiency (based on NCV) and are simple to operate and maintain. They are available in working pressure upto 20Kgs/cm² with steam generation capacity from 100 Kgs/hr to 1500 Kgs/hr.

Wood and Coal fired models are also available for economy purpose.

VENTITHERM



HOT AIR GENERATORS : IO / IR Series

'Energy Machine' make VENTITHERM series HOT AIR GENERATORS are both direct and indirect type, working on gas and oil. The ideal source of obtaining hot process air for Dryers, Ovens, Spray Dryers and other similar applications. Indirect fired have temperature limitation upto 400°C. Indirect fired Hot air generators do not have any Refractory and all internal parts like combustion chambers, Heat Exchangers are made of high reliability, low thermal inertia and have virtually no maintenance. They offer 83% ± 2% efficiency (based on NCV) and are simple to operate. The capacity ranges between 50,000 Kcal/hr. to 25,00,000 Kcal/hr.

Wood and Coal fired models are also available for economy purpose.

AQUAFLOWTHERM



HOT WATER GENERATORS : HWG Series

'Energy Machine' make AQUAFLOWTHERM series are Fully Automatic, LDO, FO or Gas Fired HOT WATER GENERATORS. They are an ideal source of supplying process heat through suitable HOT WATER media upto temperature range of 90°C. These are used where hot water is required in process such as Steel Plants, Hotels, Hostels, Food processing, Textile industries, Rubber industries etc. They offer 90% ± 2% efficiency (based on NCV) and are simple to operate. The capacity ranges from 50,000 Kcal/hr. to 25,00,000 Kcal/hr.

Wood and Coal fired models are also available for economy purpose.

FLOWTHERM



THERMIC FLUID HEATERS : TFO Series

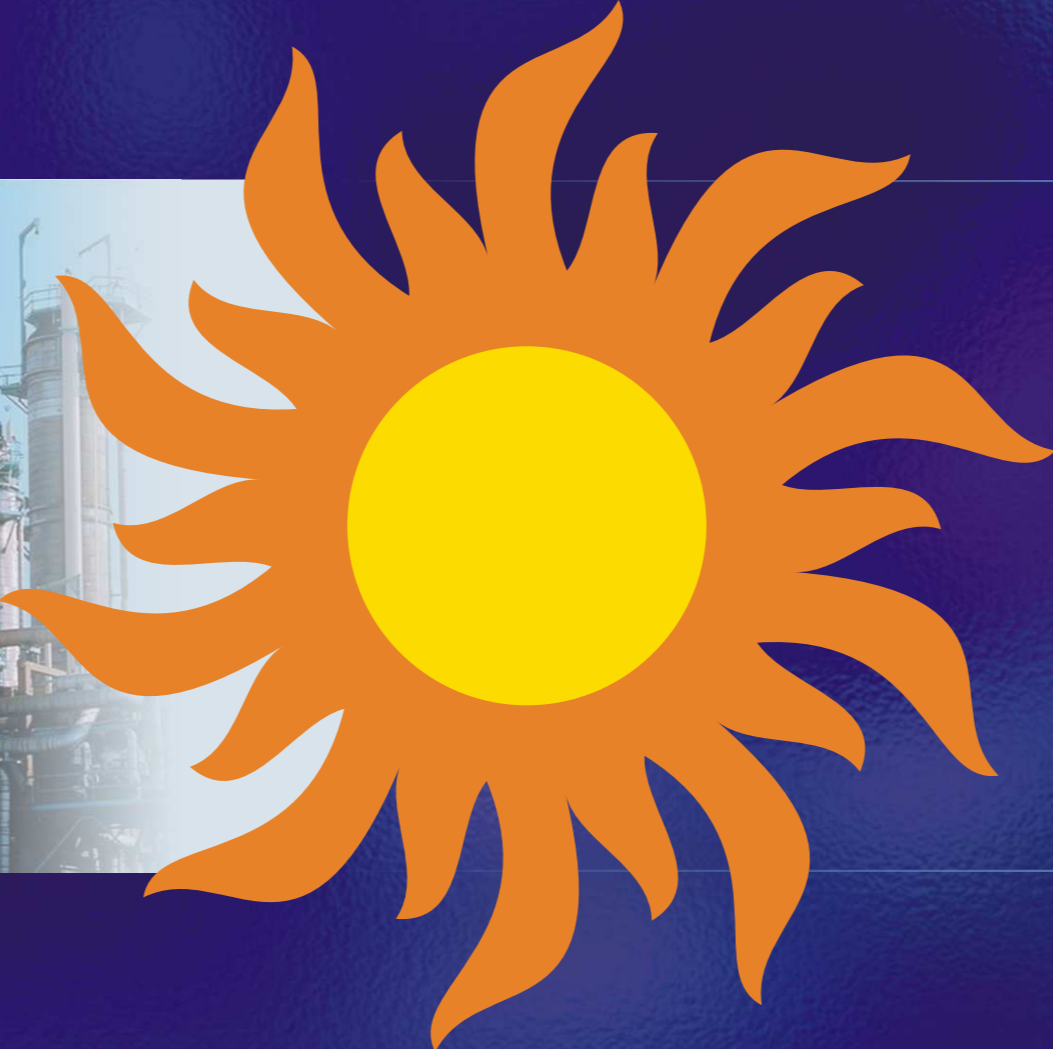
'Energy Machine' make FLOWTHERM series, Fully Automatic, LDO, FO or Gas Fired Thermic Fluid Heaters are an ideal source of supplying process heat through suitable thermic fluid media upto the temperature range of 350°C. They are sold in factory assembled, pre-wired and pre-piped condition and hence ready to use type.

They offer 88% ± 2% efficiency (based on NCV) and are simple to operate. They are available in models like TFO:50 to TFO:2500 and generate heat from 50,000 Kcal/hr. to 25,00,000 Kcal/hr. capacities.

Wood and Coal fired models are also available for economy purpose.

**Fossil fuels
will continue to meet
most of the world's
growing energy
demands.**

World Energy Council, Montreal 1989



**We are committed to
using them more effectively**

