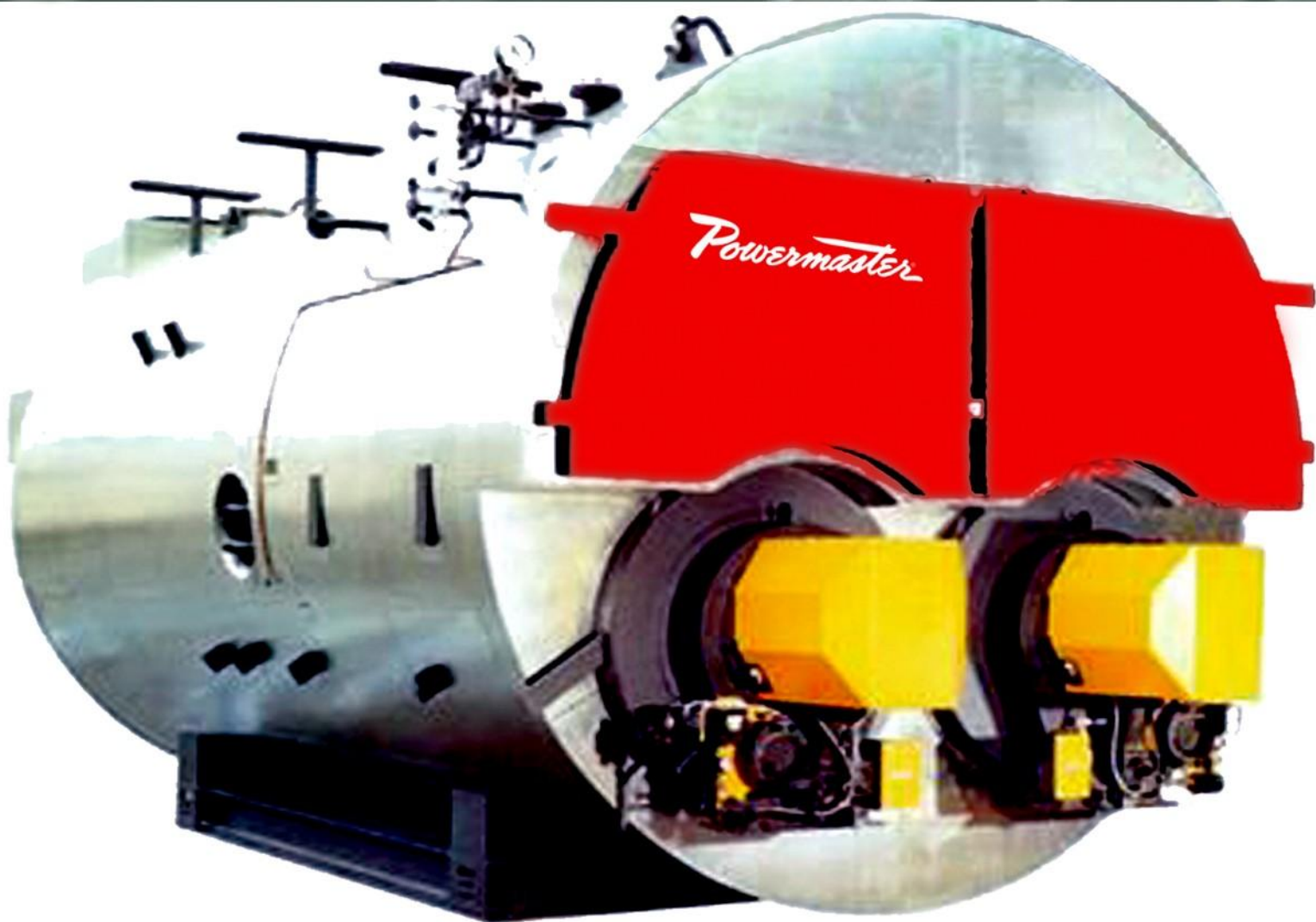


ADVANTAGE ♥ GUARANTEED

GRESHAM'S

⚡ ⚙️ ❄️ * THE ENERGY-ENVIRO SPECIALISTS

Powermaster®



REVOMAX TF

**Boiler manufacturer
since 1971**

Powermaster twin furnace boilers for industrial steam are high quality, reliable boilers built strictly in accordance with the requirements of the ASME Code Section I.

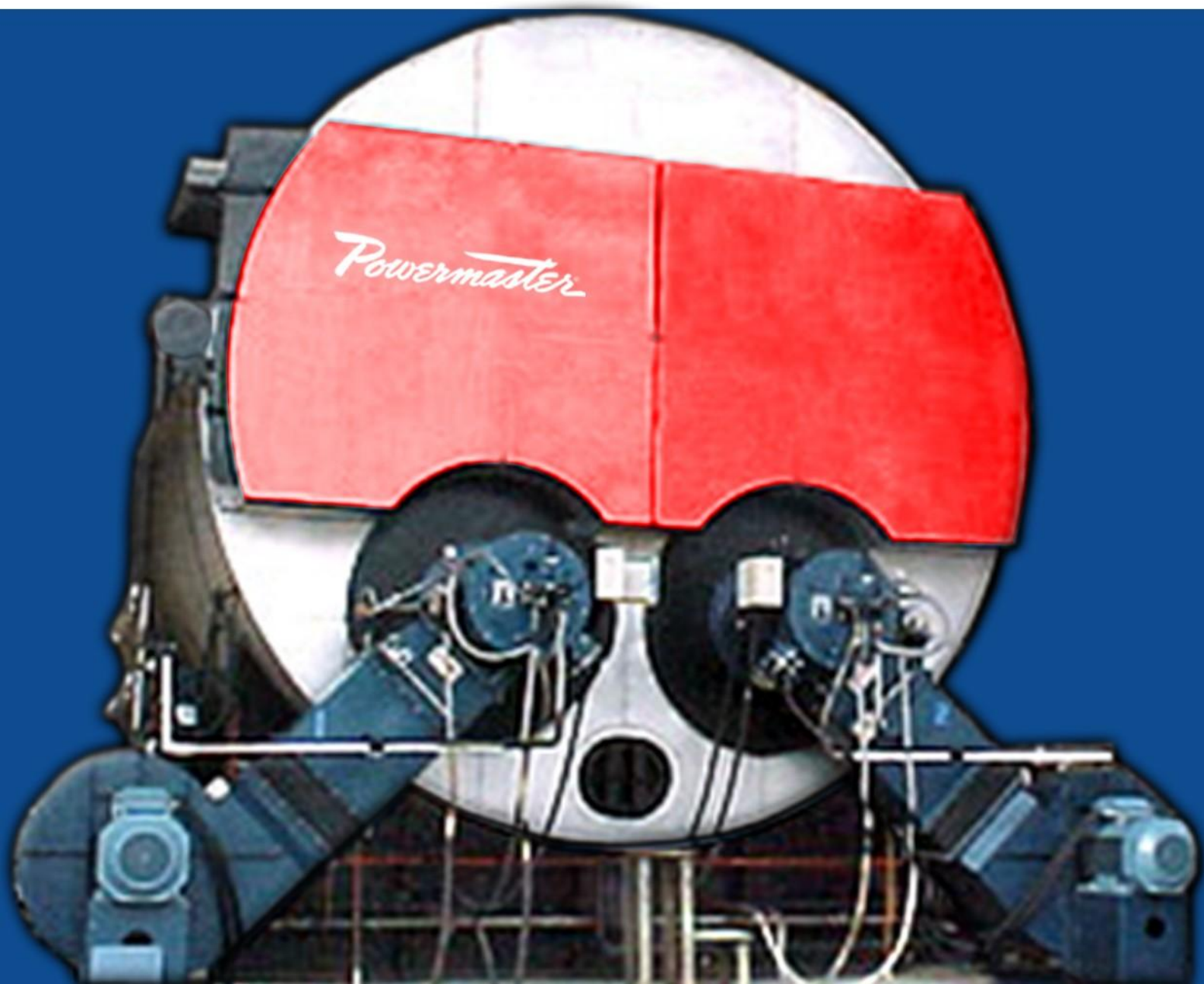
Powermaster, the world's first packaged Boiler design was licensed to Gresham's for manufacturing in Pakistan in 1970 and a large number of boilers were built and are still in operation at many locations in Pakistan.

With a view to fully complement the single furnace design, Gresham sought technology from International Combustion, Slovenia who designed a range of Twin Furnace Firetube Boilers with data and working experience of many years operational experience coupled with a record of highly efficient performance and reliability.

The Powermaster Twin Furnace design has been checked by powerful ANSYS Stress Analysis nodes under stressful operating conditions and made safe and reliable with a calculated life cycle of 250,000 hours.

Various burner options from Internationally reputed manufacturers provide very high turn down ratios and permits maintenance work to be carried out on each burner in turn whilst boiler output is maintained at up to 50% of normal rated output on the other furnace.

To meet process requirements, superheaters can easily be incorporated at the rear end of the boilers.



The Powermaster TF: a conventional Three Pass full wetback boiler design.

Construction Code:

The Powermaster TF boilers are designed and constructed in accordance with ASME Code Section I and are inspected by Internationally reputed third party Inspectors such as SGS, Germanischer Lloyds.

Construction

Heavy Duty Construction with ASTM 516-70 Steel Plate construction on ASME Section I with 100% Radiographic Examination of all circumferential and Longitudinal welds.

Tube sheets, nozzles are inspected with DPT, Ultrasonic examination.

Two fully corrugated furnaces with wetback reversal chambers ensure against operating thermal stresses.

All Boilers are stress Relieved at 600 C after welding.

After manufacturing the Powermaster TF is hydrostatically tested at 1.5 times design pressure in accordance with ASME Code requirements.

A large manhole at the top and four more inspection openings on the shell sides provide cleaning access for operators.

Firing System

Powermaster TF Boilers are equipped with burners for Natural gas, LPG or Heavy Furnace oil from reputed International manufacturers with state of the art PLC controls.

All tubes are of Grade SA 106-B and rolled with seal welding to the tube sheet ensuring trouble free operation for years.

**Sizes 10,000 to 40,000 kg/hr.
Prussers upto 20 bar (g)**

