

NISSHO IWAI

KS BURNER



KS9000 SERIES
FUEL-STAGE LOW NO_x BURNERS

KS8000 SERIES
AIR-STAGE LOW NO_x BURNERS

KS6000 SERIES
RADIANT WALL BURNERS

KS4000 SERIES
CONVENTIONAL BURNERS

KS2000 SERIES
HI-DUTY BURNERS

KS1000 SERIES
THE ULTIMATE LOW NO_x BURNER

PRODUCT LINE - UP

A wide range of designs, matching customers needs in most instances, form the basis of our standard product range. In the event that your requirements are not accommodated within this range, our combustion technology database may be employed to provide data on proven solutions at commercial furnaces and test facilities.

FUEL-STAGE LOW NO_x KS9000 SERIES

9100 Single-Lance Gas Firing (no secondary gas lances)

- easy maintenance
- economical service

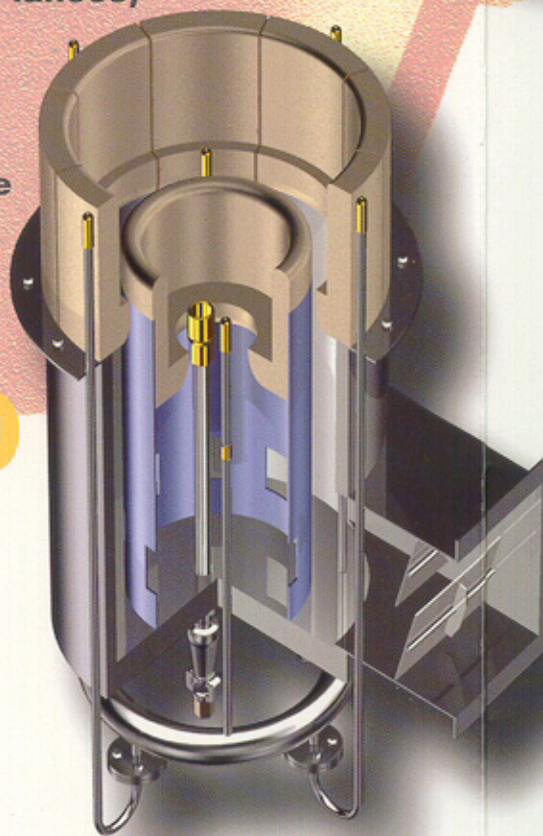
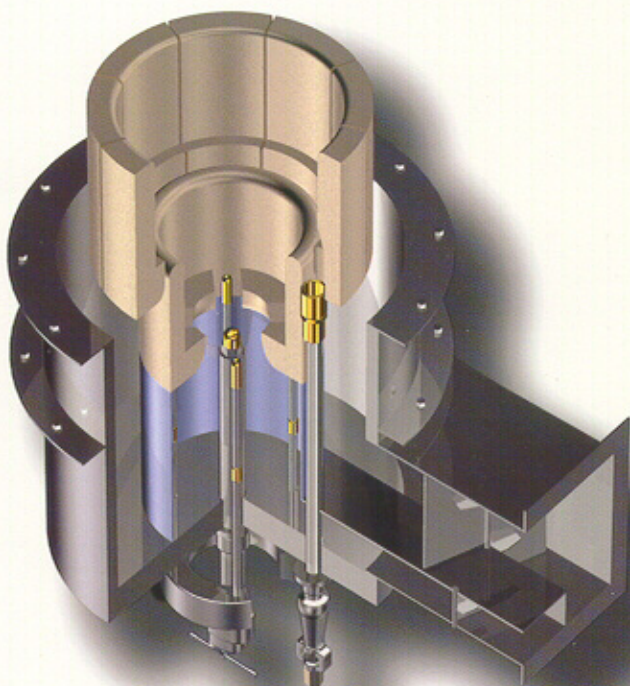
9200 Multi-Lance Gas Firing Round or Flat Flame

- best seller (more than three thousand installed)
- stable flame and very low NO_x performance

9300 Oil Fuel-Stage Firing

- patented single oil lance fuel-stage

9000



AIR-STAGE LOW NO_x BURNERS KS8000 SERIES

8300 Oil Only Firing Round or Flat Flame

8400 Combination Oil & Gas Firing Round or

- primary, secondary and tertiary Air-Stage
- blade or cylinder type air dampers available

8000

RADIANT WALL BURNERS KS6000 SERIES

6100 Forced Draft Raw Gas Firing

- no limitation to all gas fuel and combustion air specifications accommodated
- can be applied in Gas Turbine Exhaust (GTE) operation
- more than 10 to 1 turn down ratio

6000

6500 Natural Draft Pre-Mix Gas Firing

- 100% air inspiration
- high content hydrogen firing (upto 85%) without burn-back

6600 Natural Draft Low NOx Gas Firing

- very low NOx emission

CONVENTIONAL BURNERS KS4000 SERIES

4100 Gas Only Firing Round or Flat Flame

4400 Combination Oil & Gas Firing Round or Flat Flame

4000

HI-DUTY BURNERS KS2000 SERIES

BOILER BURNER

- upto 25MM kcal/h Heat Release
- Oil and Gas Firing

2000

DUCT BURNER

- as little as 9.0 % oxygen content in GTE
- Oil and Gas Firing

THE ULTIMATE LOW NOx BURNER KS1000 SERIES

- flue gas self-recirculating low NOx
- meets stringent regulations

1000

U P

standard
range, our
commercial

ERS

or Flat Flame

Firing Round or Flat Flame

Stage
available

INTRODUCTION

Nissho Iwai, through its international trading activities, has developed extensive experience of the Process Burner business. Operations started in 1958 and since those early days, a vast quantity Process Burners have been supplied worldwide.

Utilising this expertise, Nissho Iwai Chemimac Tokyo Corporation, the specialised chemical machinery company of the Nissho Iwai group, established its own capability in the Research & Development, Manufacture and Supply of a range of superior Low NOx Process Burners. This range is now being marketed under the KS Process Burners brand name - a name which is rapidly finding favour with renowned Process Engineering Contractors and Endusers.

An on-going product development programme is underway with our alliance partner Lanemark International Ltd., which will further strengthen and expand the scope of supply.

Dedication to serving our customers requirements has always been our first priority. Products in the field will be fully supported with service and replacement parts available for all installed burners. For assistance with new applications, our Tokyo sales office and worldwide partnership network are ready to assist you.



Lanemark International Ltd., United Kingdom
KS Burners are designed and supplied for customers in
Europe and North America by Lanemark International Ltd.

Customers inquiries are most welcome. We would appreciate the opportunity to provide attractive proposals and qualified responses to technical queries on Process Burner performance through our international network.

Nissho Iwai Chemimac Tokyo Corporation has installed comprehensive testing facilities at the premises of INABA Corporation, Yuki City an hour's train journey from Tokyo's Central station.

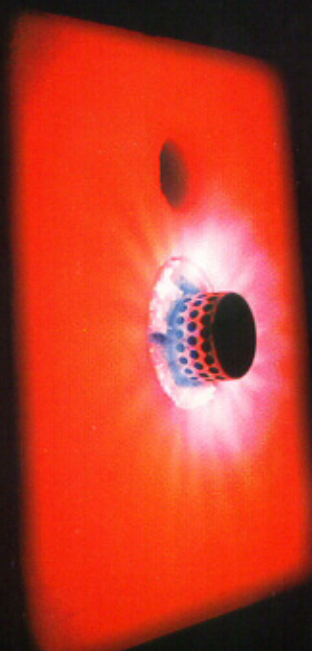
Up to 2.5 MM kcal/h heat release and various operational modes can be simulated such as pre-heated air and GTE forced draft. There is no comparable facilities in Japan.

An on-going programme of research and development is being implemented together with our Alliance partners Lanemark International. This programme seeks to provide the very best solutions at the cutting edge of technology.



R&D ACTIVITY

Factory visits and burner performance demonstrations are strongly encouraged. We look forward to welcoming you.



The efficient and well equipped factory incorporates our test furnace — providing a comprehensive manufacturing facility in one convenient location.



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