



CHINCO

ADVANCED COMBUSTION
CATALYST TECHNOLOGY

RECOVER MORE ENERGY FROM EVERY TONNE OF FUEL.

Advanced Combustion Catalyst Technology
for Industrial Combustion Systems



LOWER
FUEL COSTS



LOWER
EMISSIONS



HIGHER
EFFICIENCY

THE CHALLENGE

Industrial plants face increasing pressure to do more with less.

Rising fuel costs, stricter emissions regulations and demand for greater efficiency are placing significant pressure on industrial combustion systems.

These challenges impact profitability, reliability and long-term sustainability.

COMMON CHALLENGES INCLUDE:



HIGH AND RISING FUEL COSTS

Fuel price volatility and poor combustion efficiency increase operating costs.



INCREASING EMISSIONS REQUIREMENTS

Environmental regulations demand lower emissions and cleaner operations.



FREQUENT FOULING, SLAGGING AND DEPOSITS

Build-up on heat transfer surfaces reduces performance and increases maintenance.



UNPLANNED DOWNTIME AND HIGH MAINTENANCE

Equipment failures and unscheduled outages impact production and increase costs.



REDUCED EFFICIENCY AND PRODUCTIVITY

Inefficient combustion wastes energy and limits overall plant output.



PRESSURE TO IMPROVE SUSTAINABILITY

Stakeholders expect lower carbon footprints and responsible resource use.



LOWER QUALITY FUELS WITH HIGHER VARIABILITY

Inconsistent fuel quality makes combustion control more difficult and less predictable.



CHINCO helps you overcome these challenges with proven combustion catalyst technology and complete support.

THE CHINCO SOLUTION

Smarter combustion. Better performance.

Chinco's advanced catalyst technology enhances the combustion process to unlock more energy from every tonne of fuel while promoting cleaner operation and greater efficiency.



FUEL

The right fuel is the starting point for efficient energy production.



COMBUSTION

Fuel is burned in the boiler, releasing heat energy.



CHINCO CATALYST

Our advanced catalyst optimises the combustion chemistry at the molecular level.



IMPROVED BURN

More complete combustion and higher heat release.



CLEANER EQUIPMENT

Reduced fouling, slagging and corrosion extend equipment life.



REDUCED FUEL CONSUMPTION

More energy extracted from every tonne of fuel.



REDUCED EMISSIONS

Lower NOx, SOx, CO and particulate emissions for a cleaner environment.

THE RESULT

Measurable benefits for your operation.



LOWER OPERATING COSTS

Reduce fuel usage and maintenance expenses.



HIGHER EFFICIENCY

Extract more energy and improve overall productivity.



IMPROVED RELIABILITY

Cleaner equipment means fewer breakdowns and unplanned outages.



CLEANER EMISSIONS

Meet environmental targets and reduce your carbon footprint.

ONE CATALYST. MULTIPLE BENEFITS.
MORE ENERGY. LOWER COSTS. CLEANER FUTURE.

WIDE RANGE OF APPLICATIONS

Chinco catalyst technology is suitable for a wide variety of industrial combustion systems and fuels.



CEMENT
KILNS



POWER
GENERATION



MINING



PAPER
& PULP



SUGAR



BIOMASS
BOILERS



LIME
KILNS



INDUSTRIAL
BOILERS



STEEL
INDUSTRY

Multiple fuels. Multiple industries. One advanced solution.

PROVEN BENEFITS. MEASURABLE RESULTS.

Chinco's advanced combustion catalyst technology delivers real, measurable improvements that impact your bottom line and the environment.

KEY BENEFITS



LOWER FUEL COSTS

MORE THAN 3%* on fuel consumption through more complete combustion and improved heat transfer.



LOWER EMISSIONS

Reduce NOx, SOx, CO and particulate emissions by up to 80%* helping you meet and exceed environmental targets.



HIGHER EFFICIENCY

Extract more energy from every tonne of fuel and improve overall plant performance.



IMPROVED RELIABILITY

Cleaner combustion reduces fouling and slagging, extending equipment life and reducing unplanned outages.



LOWER MAINTENANCE

Minimise cleaning frequency and maintenance requirements, saving time and resources.



BETTER HEAT TRANSFER

Reduced deposits on heat transfer surfaces improve steam quality and system efficiency.



MORE STABLE OPERATION

Smoother combustion control with fewer fluctuations and operational upsets.



REDUCED CARBON FOOTPRINT

Lower fuel use and emissions contribute to a cleaner, more sustainable future.

PROVEN IN REAL WORLD APPLICATIONS

Independent trials and customer results have demonstrated:



MORE THAN

3%

FUEL SAVINGS*

Typical fuel reduction achieved



UP TO

80%

REDUCTION IN NOx & SOx*

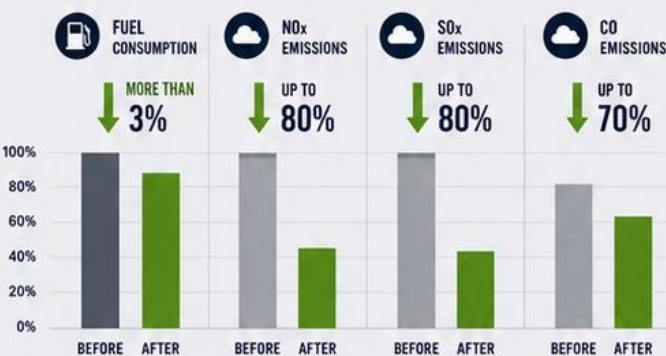
Significant emissions reduction



We achieved cleaner boilers, lower emissions and real fuel savings. The results speak for themselves.

– Power Station Trial

TYPICAL RESULTS*



*Results may vary depending on fuel type, equipment and operating conditions.



**REAL DATA. REAL SAVINGS.
REAL IMPACT.**

Delivering value where it matters most.

PARTNER WITH CHINCO. POWER A CLEANER, MORE PROFITABLE FUTURE.

We are more than a catalyst supplier.
We are your long-term partner in performance,
efficiency and sustainability.

COMPLETE SOLUTION. END-TO-END SUPPORT.



SITE ASSESSMENT

We analyse your system
and operating conditions
to recommend the
optimal solution.



CUSTOMISED SOLUTIONS

Tailored dosing
programs to suit your
fuel type, equipment
and performance goals.



RELIABLE SUPPLY

Consistent product
availability and on-time
delivery to keep your
operations running.



ONSITE SUPPORT

Installation guidance,
commissioning and
hands-on technical
support.



PERFORMANCE MONITORING

Ongoing monitoring
and reporting to ensure
optimal results and
continuous improvement.



EXPERT TECHNICAL TEAM

Experienced combustion
specialists dedicated
to your success.



OUR PRODUCT

CHINCO COMBUSTION CATALYST POWDER

- ✓ Easy to handle and dose
- ✓ Compatible with a wide range of solid fuels
- ✓ Proven performance in industrial applications
- ✓ Safe, non-toxic and environmentally responsible



 Supplied in sealed bags for use with
Chinco's automated dosing systems.

OUR COMMITMENT



SAFE

Our products and processes are
safe for people, equipment and
the environment.



SUSTAINABLE

We help industries reduce their
environmental impact and build
a cleaner future.



RELIABLE

We deliver consistent quality,
dependable service and
measurable results.



LET'S WORK TOGETHER
TO MAXIMISE YOUR PERFORMANCE.

Discover how Chinco's advanced combustion catalyst
technology can deliver real value for your operation.

CONTACT US TODAY.