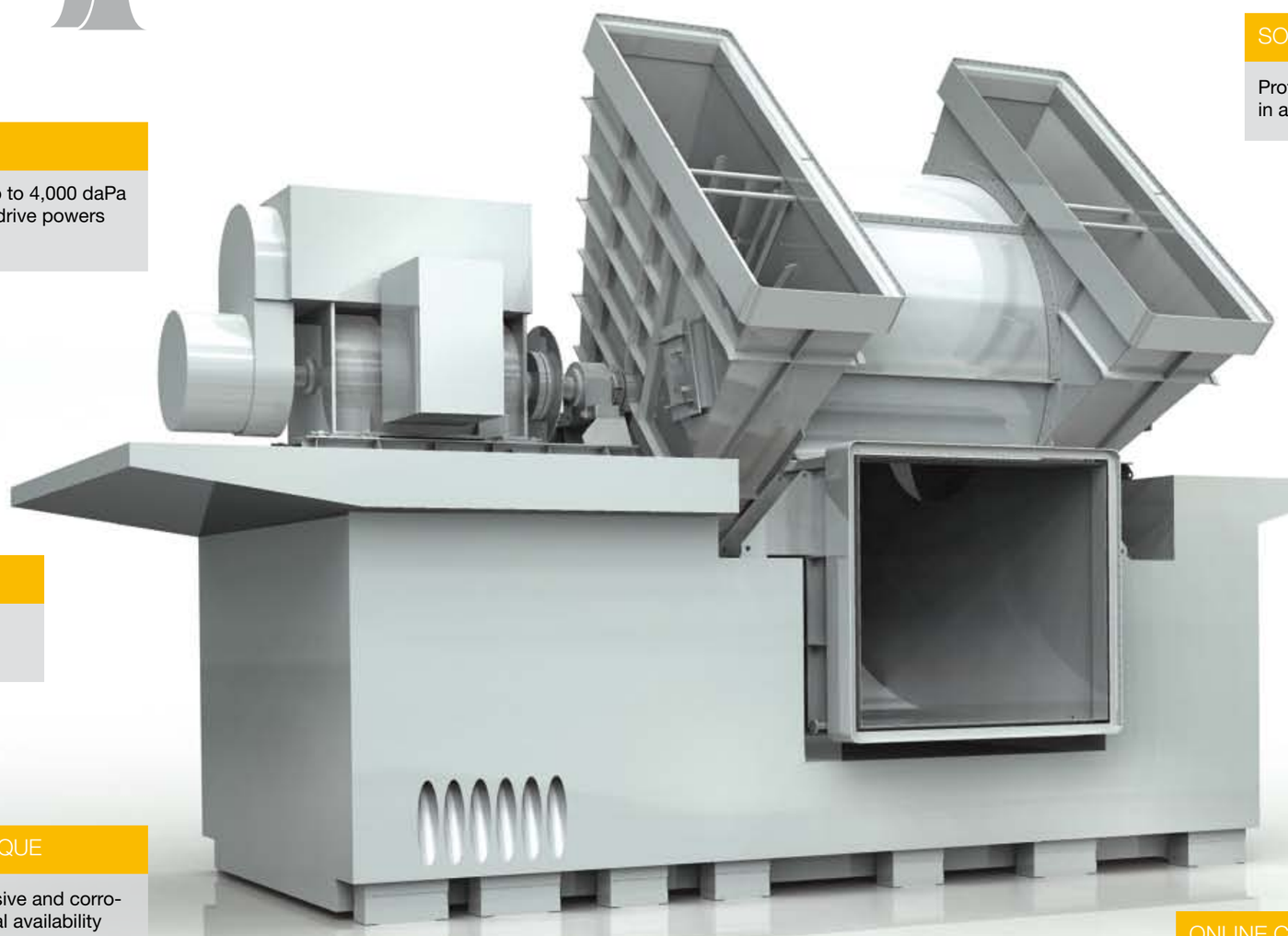
INNOVATIVE POWER FOR STATE-OF-THE-ART PLANTS.

EASY PLANNING FROM A TO Z: THE COMPLETE UNIT BY REITZ.

There is no doubt that fan systems from Reitz are becoming increasingly important for designing future power plants and steel works. And there are good reasons for that: In the first place, our fans of course possess the required high efficiency (e.g. pressure increase up to 4,000 daPa). But Reitz as a leading supplier has got more to offer: a complete package that guarantees maximum reliability and efficiency in the daily system operation along with modern energy efficiency.

REITZ IN STEEL WORKS
Blast furnace gas dedusting/ Converter gas dedusting/ Cast house dedusting

REITZ IN POWER PLANTS
coal/gas/oil/dual fired/special combustibles/biomass/waste incineration



HIGH END PROCESS FANS

Primary and secondary air fans up to 4,000 daPa
ID fans up to 31,500 m^3/min with drive powers up to 10,000 kW

SOUND INSULATION

Protection for employees and environment in accordance with EC directives

100% MADE IN GERMANY

Maximum vertical integration with more than 400 employees in the „Centre of Fan Production“ in Höxter

VARIABLE SPEED CONTROL

Up to 30% savings in energy without loss in efficiency

MOUNTING / SERVICE

From on-schedule commissioning to individual maintenance concepts

WEAR PROTECTION TECHNIQUE

Individual protection against abrasive and corrosive wear for maximum operational availability

ONLINE CONDITION MONITORING

The REITZ remote control system for highest process stability

POWER FOR EFFICIENCY AND PROFITABILITY.

REITZ is so popular amongst the operating companies of the steel and power plant industry due to the total number of its advantages. REITZ combines ecological and energy-saving engineering with high performance and reliability made in Germany.

TRUE GREATNESS MATTERS: HIGH END PROCESS FANS.

You can rely on **REITZ fluid bed blowers** with 4,000 daPa pressure increase doing a very good job wherever maximum pressures are required. Reitz high-performance fans are applied in all stages of the process chain: primary and secondary air fans, flue gas circulation fans, combustion air fans or gas boosters.

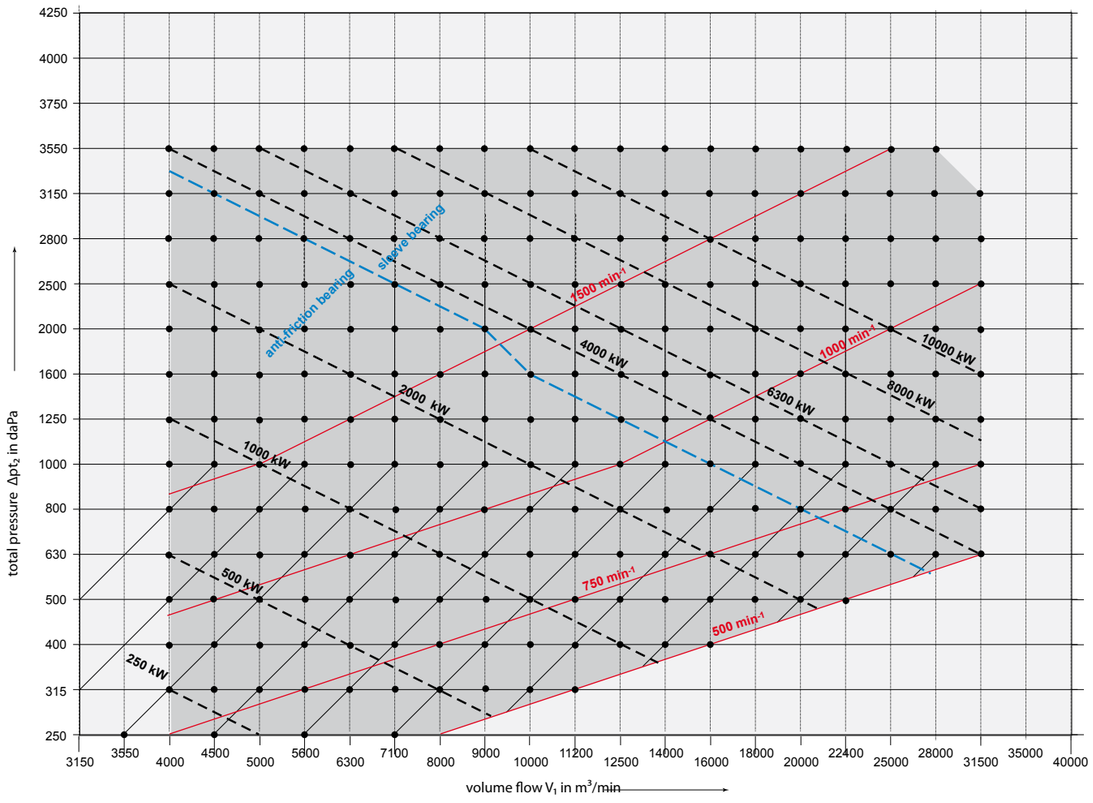
REITZ ID fans meet the highest requirements in the production process with volume flows up to 31,500 m/min and drive powers up to 10,000 kW.

COMPLETE SYSTEMS FOR

FIRING
grate/fluid bed/carbon dust/gas/oil firing

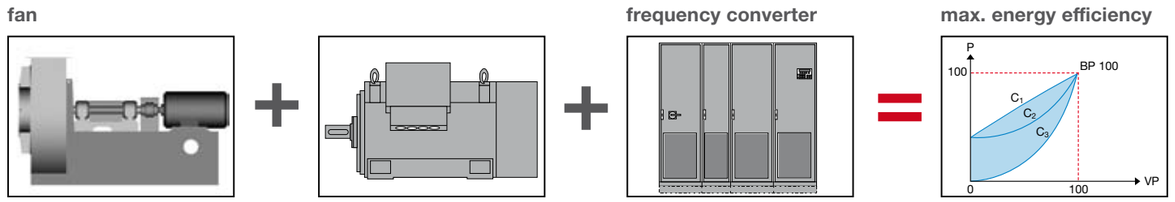
FLUE GAS CLEANING
crude gas and clean gas dedusting/DeNOx units/
flue gas desulfurization

PERFORMANCE RANGE OF REITZ PROCESS FANS



MAGIC FORMULA FOR ENERGY EFFICIENCY: VARIABLE SPEED CONTROL.

Unlike the classic control techniques, the variable speed control is a method that takes up only that amount of energy in each individual operating point that is actually needed. Without loss in efficiency, approximately 30% of the energy expenditure can be saved.



Performance requirements curves
C1 = control with damper
C2 = inlet guide vane control
C3 = speed control

The advantages of REITZ variable speed control at a glance:
100% as-needed consumption / linear control characteristic / adverse vortex is avoided / wear and tear reduction / silent running / perfect starting behaviour / mechanical smoothness

LONG LIVE THE AVAILABILITY: WEAR PROTECTION.

Be it abrasive wear in the crude gas area upstream the scrubber or corrosion in the clean gas area downstream the scrubber: REITZ offers hard facing of extreme durability optimised by research and tailored to any kind of application for particulary long life spans up to 16,000 operating hours and more.

PLENTY OF GOOD SOLUTIONS: NOISE CONTROL.

The topic of sound insulation is becoming increasingly important. In line with our ecological engineering, REITZ consequently develops effective solutions in this area to minimize the sound level.

MAXIMUM VERTICAL INTEGRATION TO MEET THE HIGHEST EXPECTATIONS.

Nothing but the best fan quality will do for innovative power and steel plants. To us, it is especially important that all our manufacturing is done at our parent plant in Höxter to guarantee the top-grade quality of our fans and to excel in coming up to all individual customer wishes.

100 % MADE IN GERMANY.

More important than to make mere promises is to actually keep them. The „Centre of Fan Production“ at our main production facility in Höxter provides all prerequisites for doing so. About 400 employees work at 20,000 sqm according to the European quality standard DIN EN ISO 9001. And we can optimally support complex projects throughout the world with our subsidiaries and agencies in India, Poland, Russia, China, The Middle East, France and Switzerland.

MOUNTING / MAINTENANCE / ONLINE CONDITION MONITORING.

One of our biggest strengths is our experience that we have gained in most challenging projects for the power and steel plant industry all over the world. We do know where little hiccups might possibly occur. On our customers‘ demand, we undertake the on-schedule project coordination and mounting of the complete unit including commissioning, maintenance and subsequent Online Condition Monitoring to identify potential problems at an early stage and eliminate them systematically.

REITZ – TRENDSETTING IN MOST MODERN PLANTS.

Our goal is to mitigate the CO_2 emission with highly efficient fan technology and thus to sustainably preserve natural resources and protect the environment in cooperation with our partners.

**Power plant Flensburg, equipped with REITZ fans
Photo: Stadtwerke Flensburg**

**Natural gas power plant Lingen, equipped with REITZ fans.
Photo: RWE Power**

**Biomass power plant Lünen, completely equipped with REITZ variable speed controlled primary air fans, secondary air fans, exhaust air re-circulation fans and ID fans.
Photo: REMONDIS, Lünen**

**Biomass power plant Dürnrohr, equipped with REITZ fans.
Photo: AE&E Inova, Köln**

Oxyfuel pilot project Schwarze Pumpe by Vattenfall. Equipped with REITZ fans, the world‘s first CO_2-free lignite-fired power plant is coming into existence . Photo: Vattenfall, Berlin

Konrad Reitz Ventilatoren GmbH & Co. KG
Konrad-Reitz-Straße 1 • 37671 Höxter-Albaxen • Germany
phone: +49 (52 71) 9 64 - 0 00 • fax: +49 (52 71) 9 64 - 2 29
reitzventilatoren@reitzgroup.com • www.reitzgroup.com

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