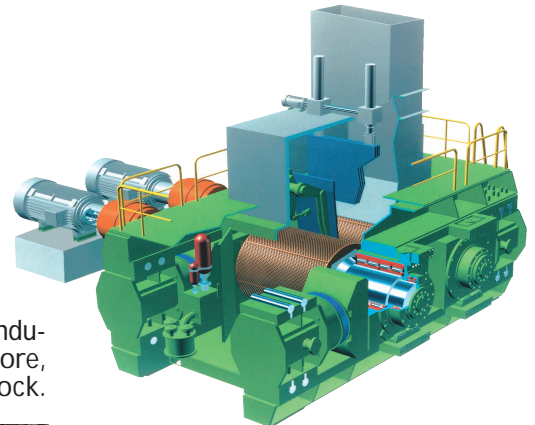


More than 10 grinding plants in the last months

Demand for KHD Roller Presses reaching a new peak level

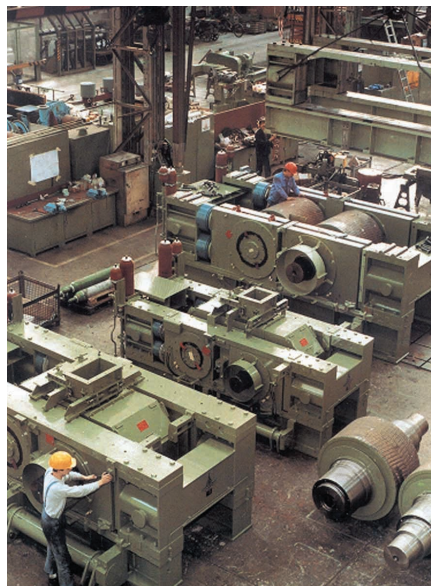


Complete grinding plants represent an essential pillar in the order portfolio of KHD Humboldt Wedag AG, and this for many years. Beyond the conventional grinding systems, the Roller Press continuously developed further by KHD Humboldt Wedag AG is an essential factor here:

- Reliability of the machine and, thus, reduced downtime and wear costs were and will be of central interest for the development activities.
- The development and introduction of the static V-Separator and its further development to the dynamic VSK®-Separator strengthen the attractiveness and flexibility of grinding systems based on the KHD Roller Press.

The success is documented by further increasing sales figures and satisfied customers in the cement industry as well as in the minerals industry, e.g. for iron- and copper ore, phosphate- and diamond rock.

stry as well as in the minerals industry, e.g. for iron- and copper ore, phosphate- and diamond rock.



Thanks to the flexibility of the Roller Press grinding systems further success potentials can be expected with regard to:

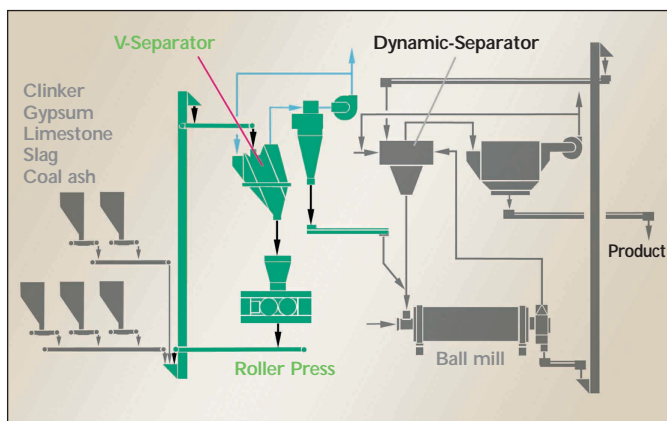
- the process: pre-grinding, semi-finish-grinding and finish-grinding,
- the process stages: comminuting, separating and drying/cooling and mixing,
- the feed material: limestone, clinker, blast furnace slag, additives, ores, minerals; coarse to fine and moist to dry.

In the last months, already more than 10 grinding systems with KHD Roller Presses were ordered for the most different applications as listed above.

Contract for two new clinker grinding systems in China

Shandong Jiangshan Cement Co. Ltd., China placed the order with KHD Humboldt Wedag AG, Germany

for the engineering and supply of two clinker grinding plants, both of identical type for its cement plant at Linyi/Shandong.



Each plant will be designed for a capacity of 167 t/h cement at a fineness of 3 600 cm²/g according to Blaine.

Feed materials will be clinker and lower portions of gypsum, limestone, slag and coal ash.

Scope of supply of KHD Humboldt Wedag AG comprises design and engineering of the grinding system, supply of key plant components and supervision of local manufacturing, erection and commissioning.

Key plant components for each of the two systems, designed by KHD Humboldt Wedag AG, are:

- Roller Press RP 13-140/140
- V-separator.

The materials clinker, gypsum, limestone, slag and coal ash are fed together with the ground material from the Roller Press to the V-Separator.

The fines are separated in a cyclone and then fed to the ball mill. Finish-grinding is done in the ball mill in closed circuit with a high efficiency separator.

Raw mill capacity increase and new cement mill in Iran

Soufian Cement Co., Iran awarded KHD Humboldt Wedag AG, Germany and its subsidiary Humboldt Wedag India Ltd., India the contract

- to increase the capacity of the existing raw material grinding and drying system from 160 t/h to 360 t/h at a fineness of max. 15% R 0.09 mm and
- to install a new clinker grinding-unit with a designed capacity of 150 t/h cement at a fineness of 3000 cm²/g according to Blaine.

The capacity of the existing raw material grinding system will be increased by installing a Roller Press grinding circuit including:

- Roller Press RP 13-170/140
- static V-Separator
- high efficiency separator, type Sepmaster SKS to the existing ball mill.

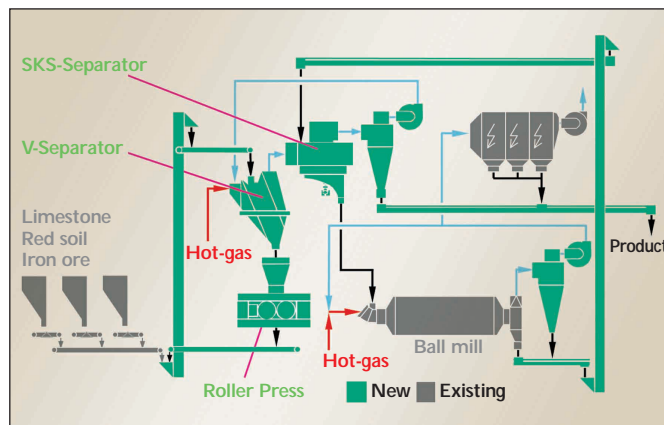
Raw material from the pre-bins together with ground material from the Roller Press are fed to the V-Separator. The coarse product from the V-Separator goes to the Roller Press and the fine product to the high efficiency separator, type SKS. Ball mill product is fed to the SKS-Separator, where the rejects are fed to the ball mill and the fines are collected in cyclones.

The main equipment for the new clinker grinding plant will include

- a two chamber tube mill of 4.6 m diameter x 14.5 m length with a central drive system in closed circuit with
- a high efficiency separator, type Sepmaster SKS.

Besides design, engineering and supply of equipment KHD Humboldt Wedag AG and its Indian subsidiary will also provide supervision of erection and commissioning.

Overall co-ordination and planning for the supply contract is in the responsibility of Humboldt Wedag India Ltd.



Strong demand for KHD grinding systems with Roller Presses

Extraction of the references of the last months:

- Chia Hsin Jingyang Cement, China
- Trinidad Cement, West Indies
- OYSA Cimento, Turkey
- CIMSA Cimento, Turkey
- Tabuk Cement, Saudi Arabia
- HOLCIM (Hrvatska), Koromacno, Croatia
- Shandong Jiangshan Cement, China
- Soufian Cement, Iran

... to be continued!

HIGHLIGHTS



KHD roller surfaces put up a "fierce resistance"

Very low wear is occurring at the roller surfaces of a Roller Press supplied by KHD Humboldt Wedag, which is operated by Messrs. Wopfinger Baustoffindustrie in Austria for grinding clinker.

Only 3.2 mm abrasion was determined after having ground the clinker production including additives and slag of one year, which corresponds to a specific wear of 0.5 g/t.

The roller surfaces are hardfaced and will, at this abrasion rate of only abt. 37%, stand another year without any problem. With a remaining hardfacing of abt. 2 mm, the rollers are then regenerated.

KHD Humboldt Wedag AG
51170 Cologne / Germany
Phone: +49-221-6504-1400
Fax: +49-221-6504-1409
E-mail: info@khd-ag.de
www.humboldt-wedag.de

KHD Humboldt Wedag SA Pty. Ltd.
P.O.Box 8460, Elandsfontein 1406
36 Wankelstreet, Jetpark / South Africa
Phone: +27-11-397-4660
Fax: +27-11-397-4411
marketing@humboldt-wedag.co.za

Humboldt Wedag, Inc.
400 Technology Parkway
Norcross, Georgia 30092 / USA
Phone: +1-770-810-7300
Fax: +1-770-810-7343 or 7333
hwi@humboldt-wedag.com

Humboldt Wedag Australia Pty. Ltd.
Private Bag 30
Mordialloc Vic. 3195 / Australia
Phone: +61-39-580-5277
Fax: +61-39-580-1066
humboldt@c031.aone.net.au

Humboldt Wedag India Private Ltd.
CC-29, 4th Floor, Nehru Enclave
New Delhi 100 019 / India
Phone: +91-11-622-7325-28
Fax: +91-11-622-7215-16
marketing@hw-india.com