GEBR. PFEIFFER INC

MPS grinding technology
For Dry Sorbent Injection and Material Handling

Pembroke Pines, FL 2012

Progress is our tradition
established in 1864
mid-range private company
more than 140 years of competence in:
grinding, separating, drying,
calcining and hydrating
more than 2000 MPS mills worldwide grinding:
cement raw meal, coal, clinker,
granulated blast-furnace slag, pozzolana,
limestone, clay, gypsum ..... 
abt. 280 employees worldwide, subsidiaries in the US, India and China
company-owned workshops including foundry
annual turnover approx. 100 million €
sales organisation

Gebr. Pfeiffer AG
Kaiserslautern

GP INDIA

GP USA

GP CHINA
examination of raw materials

manufacture

design and conception

errection and commissioning

our competence
Technologies for cement, lime, gypsum and ceramic industries
<table>
<thead>
<tr>
<th>MPS Raw Mill</th>
<th>MPS Coal Mill</th>
<th>MPS Cement Mill</th>
</tr>
</thead>
<tbody>
<tr>
<td>78</td>
<td>45 - 480 t/h</td>
<td>400 - 5400 kW</td>
</tr>
<tr>
<td>33</td>
<td>8 - 80 t/h</td>
<td>110 - 1350 kW</td>
</tr>
<tr>
<td>25</td>
<td>12 - 200 t/h</td>
<td>355 - 5300 kW</td>
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</tbody>
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References in the cement industry from 1994 onwards.
- easy accessibility
- uncomplicated maintenance
- no wear

pull rods located outside the housing
• direct start without auxiliary drive
• use of standard motor possible, 2nd shaft end not required
• reduced dynamic forces
• reduced wear of liner plates
• easy emptying of mill

liftable grinding rollers
SLS high efficiency classifier

Profile of gas velocity

- 140%
- 115%
- 105%
- 100%
material and gas flow
Grinding plant with Pfeiffer MPS mill
dust collection in cyclone
material inlet

central material feed
classifier - type SLS for MPS B
classifier drive

electromechanical drive

- reliable
- easy to maintain
SLV products - range of fineness
Example of coarse material extraction
SLV high efficiency separator

- feed material
- distribution table
- rotor
- spiral housing for air inlet
- fixed louver for controlled air flow in the separating zone

Coarse product
Fine product
double cyclone - AZZ
grinding roller
GEBR. PFEIFFER INC.

Thank you!

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