

# **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**

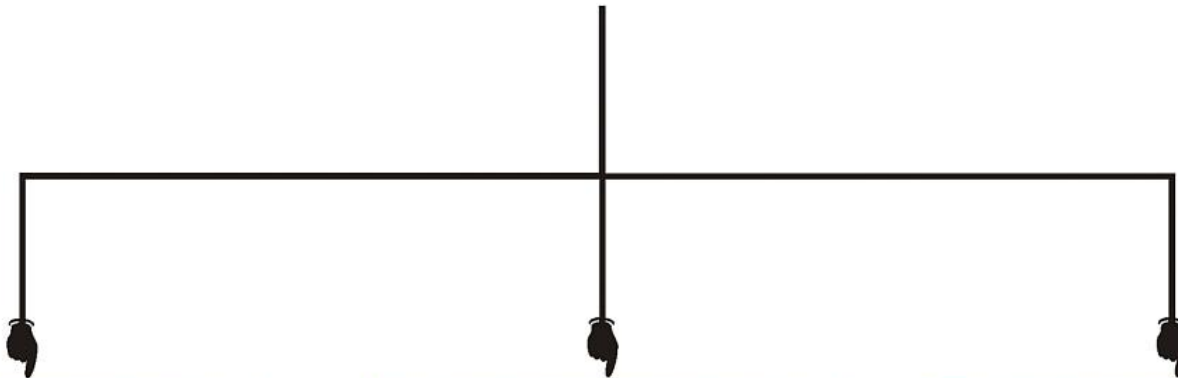
**annual turnover approx. 100 million €**

***Company data***



**GEBR. PFEIFFER AG**

**Gebr. Pfeiffer AG  
Kaiserslautern**



**GP INDIA**

**GP USA**

**GP CHINA**

***sales organisation***

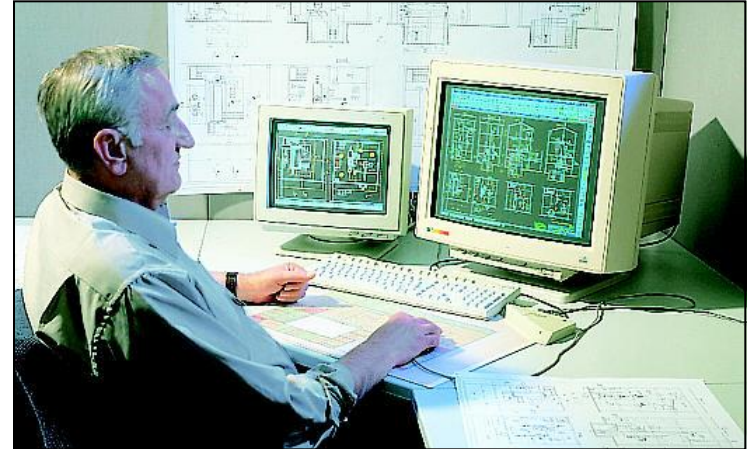


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## examination of raw materials



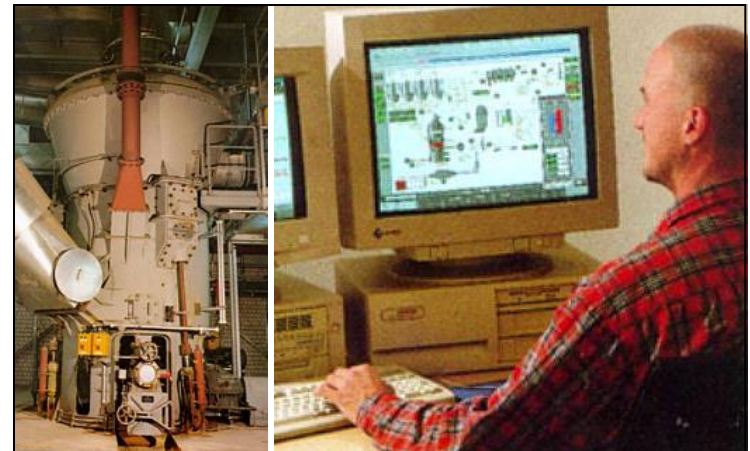
## design and conception



## manufacture



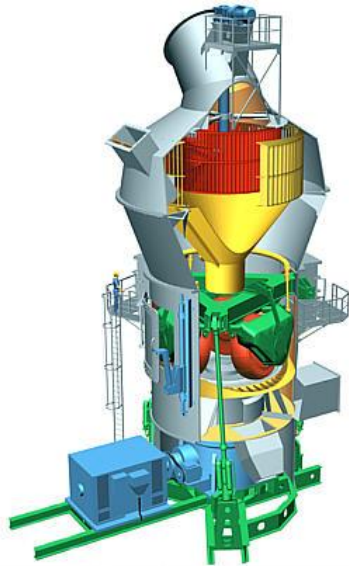
## erection and commissioning



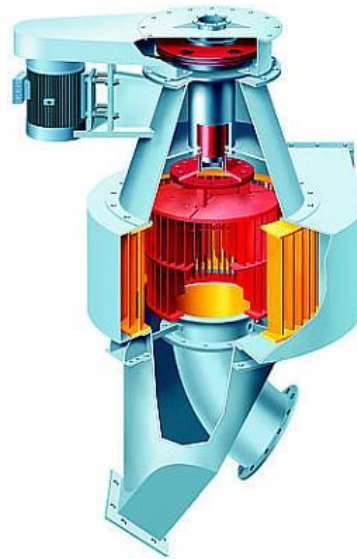
**our competence**



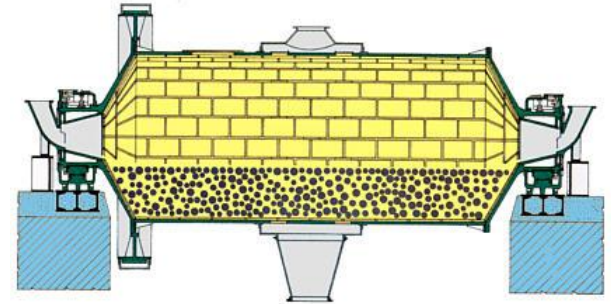
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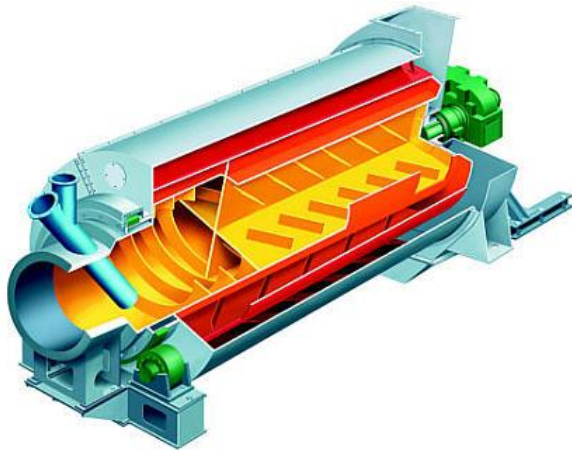
MPS vertical roller mill



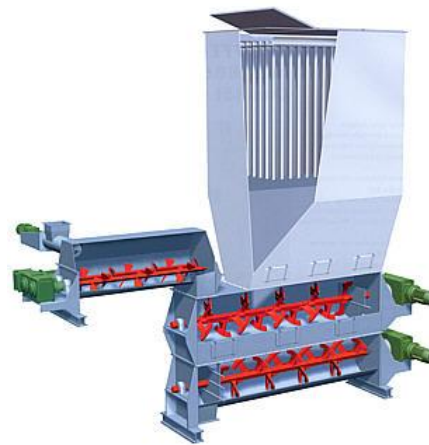
SLV separator



MRD ball mill



TRT Triplex dryer



KLD hydrating machine



molekulator mill

**Technologies for cement, lime, gypsum and ceramic industries**



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MPS raw mill



MPS coal mill



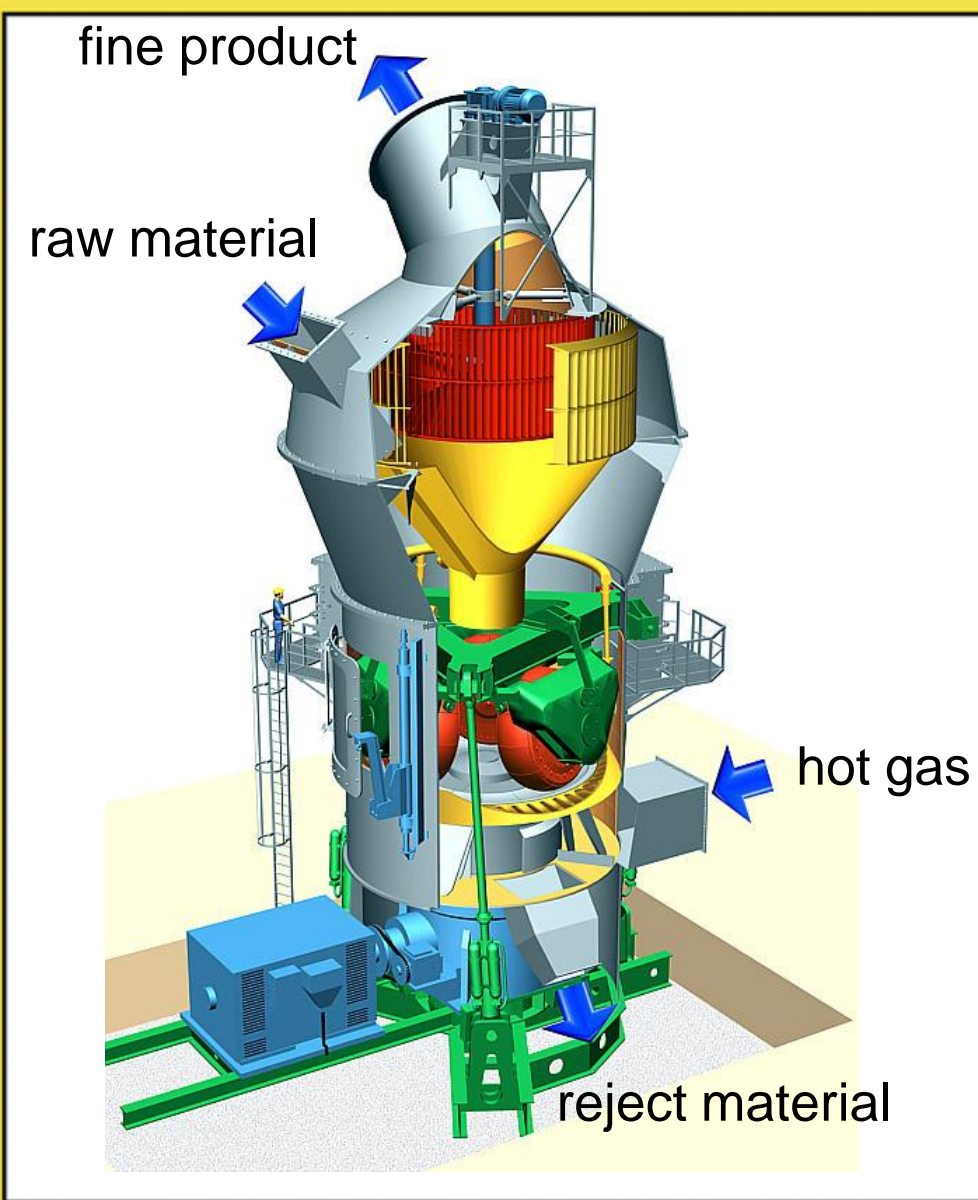
MPS cement mill

MPS raw mill	78	45 - 480 t/h	400 - 5400 kW
MPS coal mill	33	8 - 80 t/h	110 - 1350 kW
MPS cement mill	25	12 - 200 t/h	355 - 5300 kW

***references in the cement industry  
from 1994 onwards***



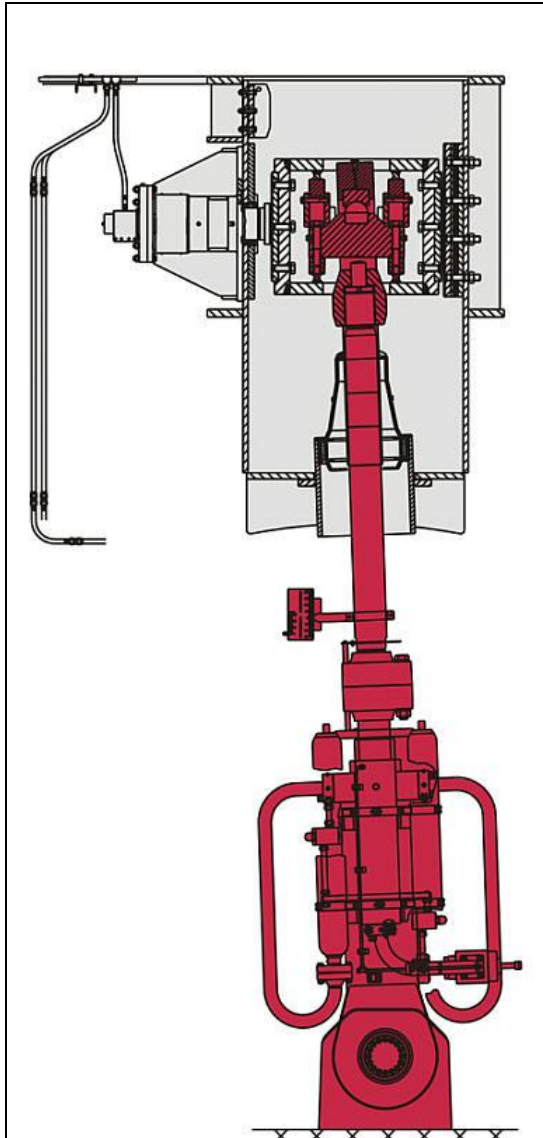
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***Design of MPS Mill***



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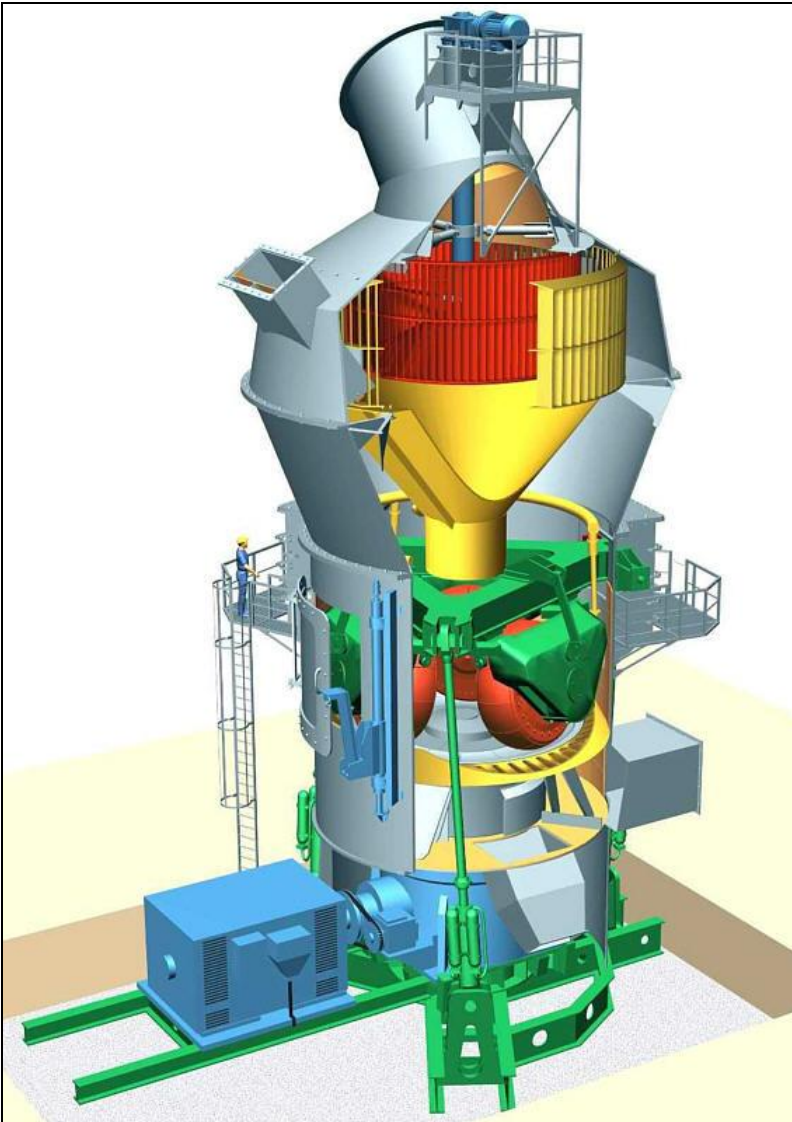
- easy accessibility
- uncomplicated maintenance
- no wear

***pull rods located outside the housing***



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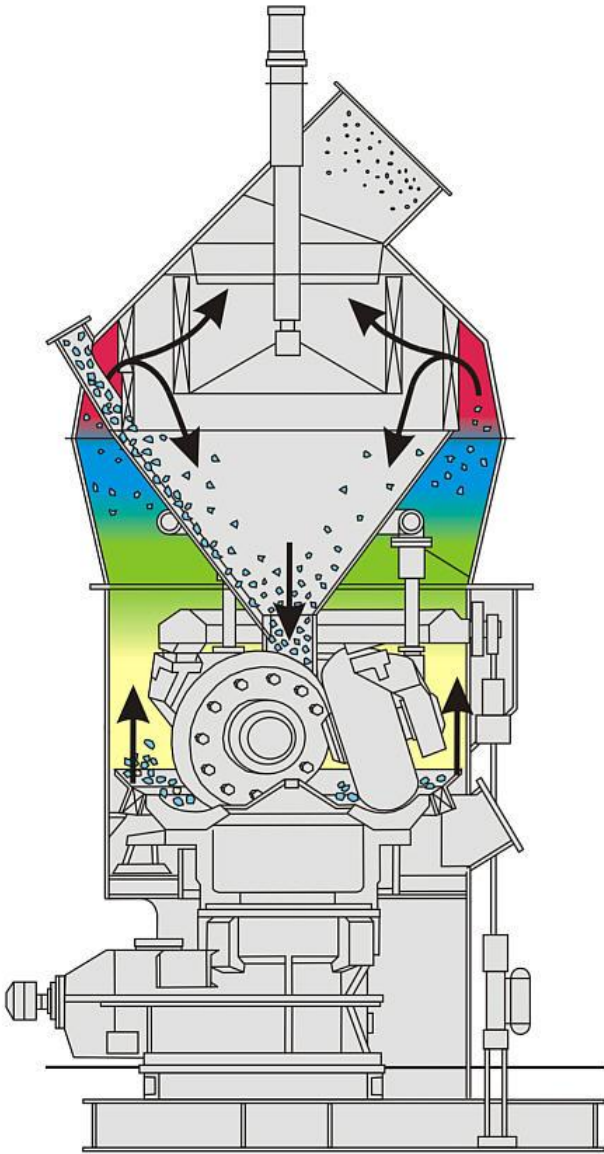
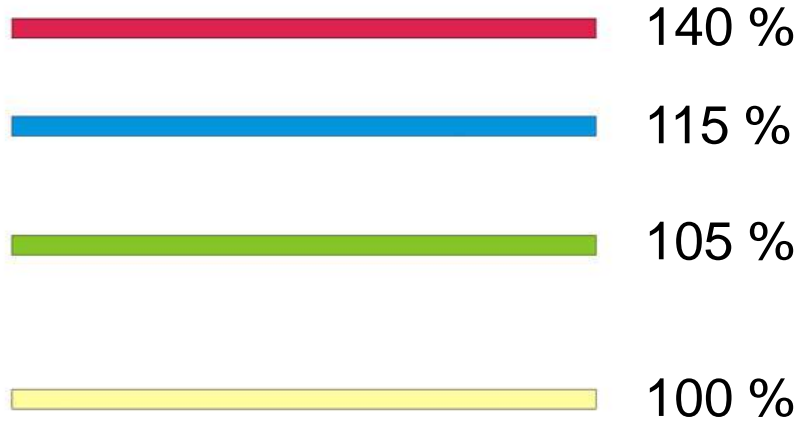
- direct start without auxiliary drive
- use of standard motor possible, 2nd shaft end not required
- reduced dynamic forces
- reduced wear of liner plates
- easy emptying of mill

***liftable grinding rollers***



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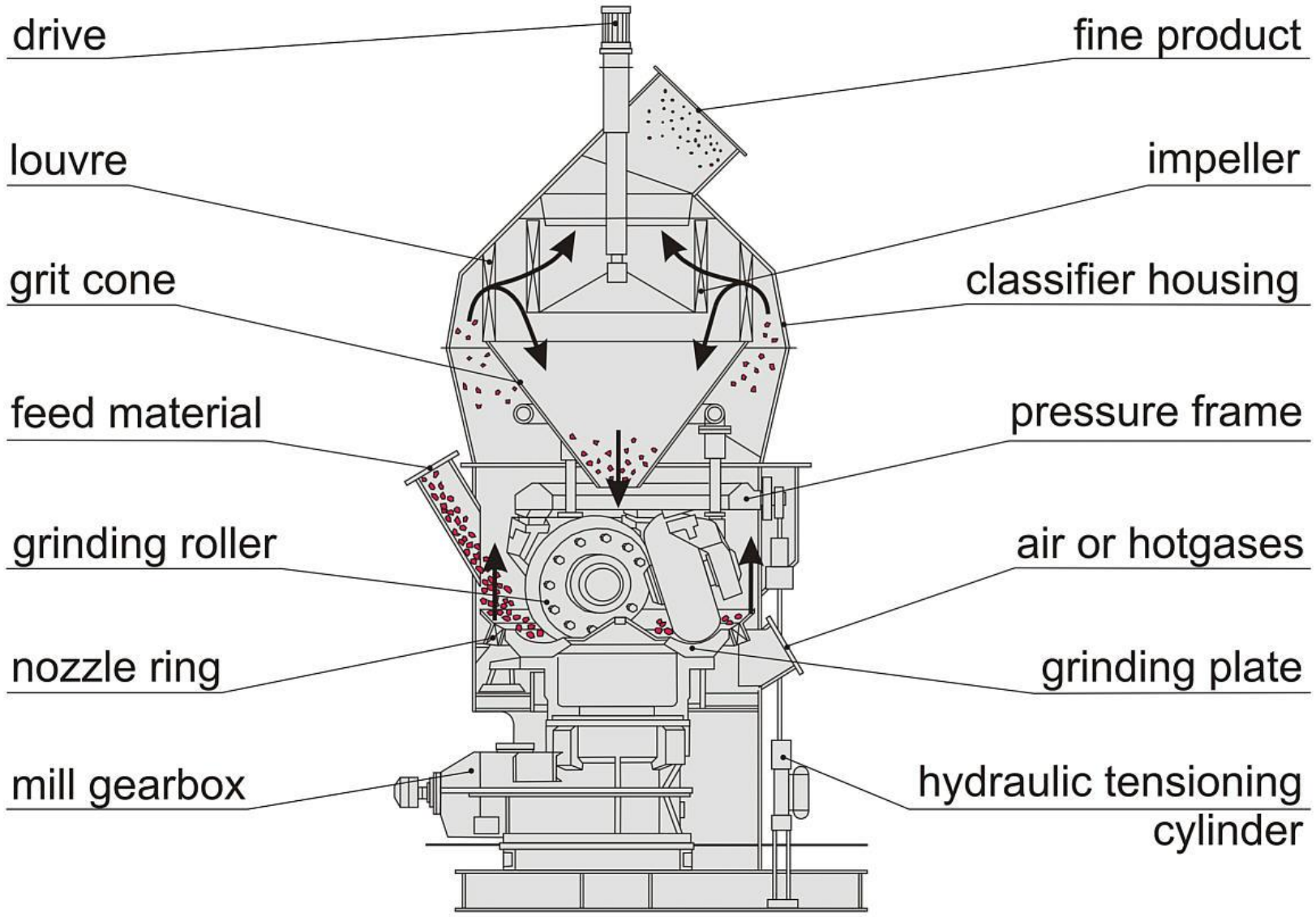
## Profile of gas velocity



***SLS high efficiency classifier***



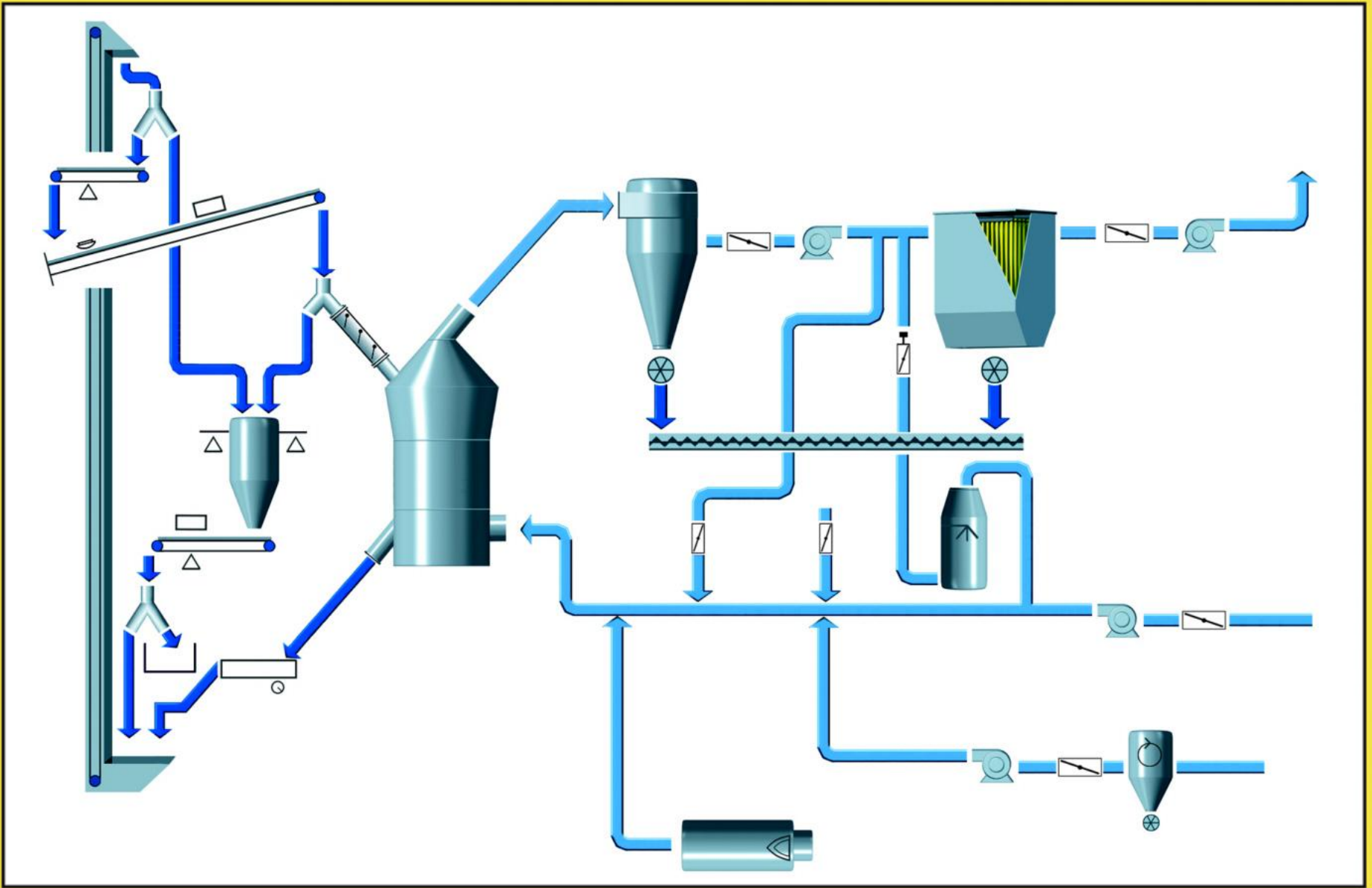
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**material and gas flow**



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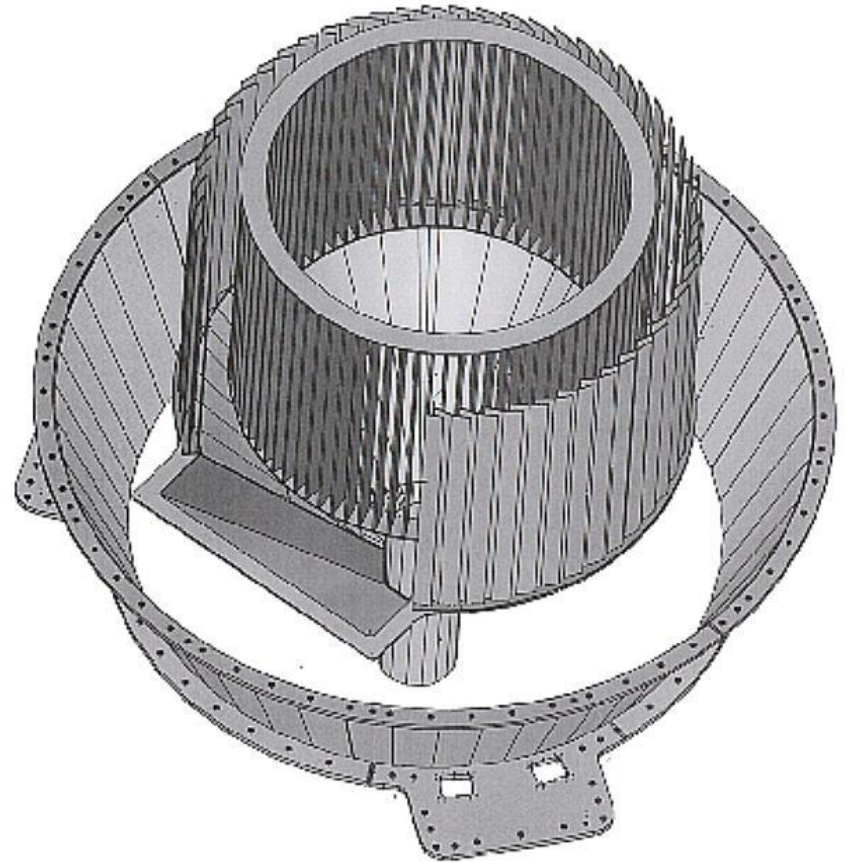
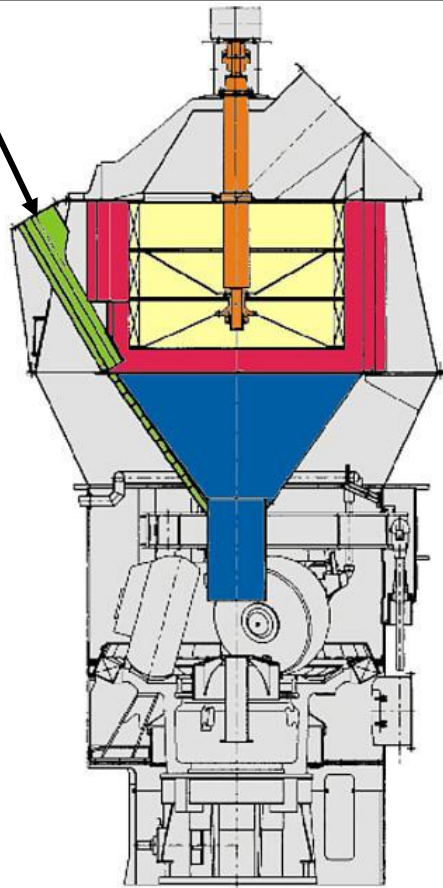


***Grinding plant with Pfeiffer MPS mill  
dust collection in cyclone***



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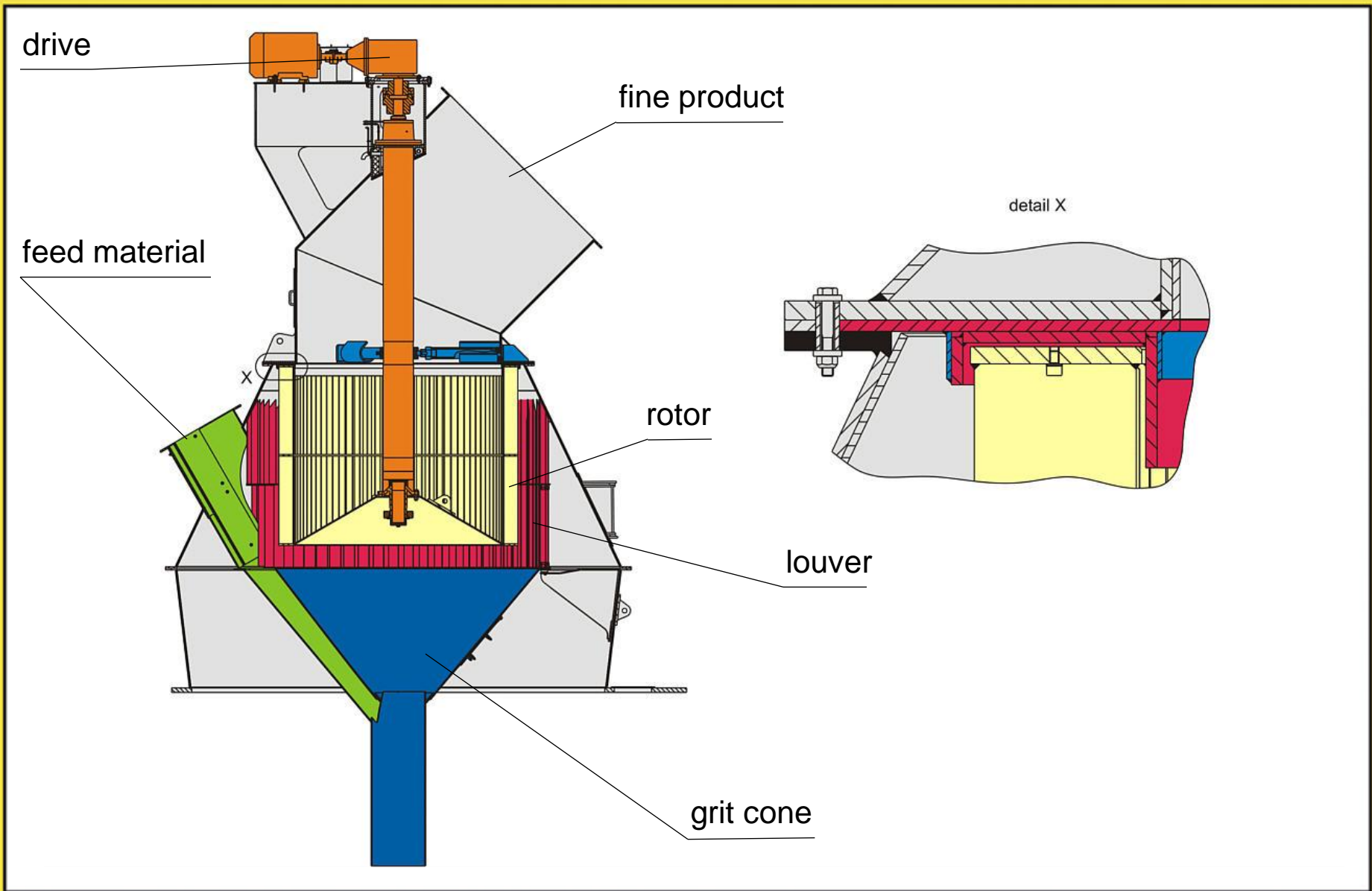
material inlet



**central material feed**



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**classifier - type SLS for MPS B**



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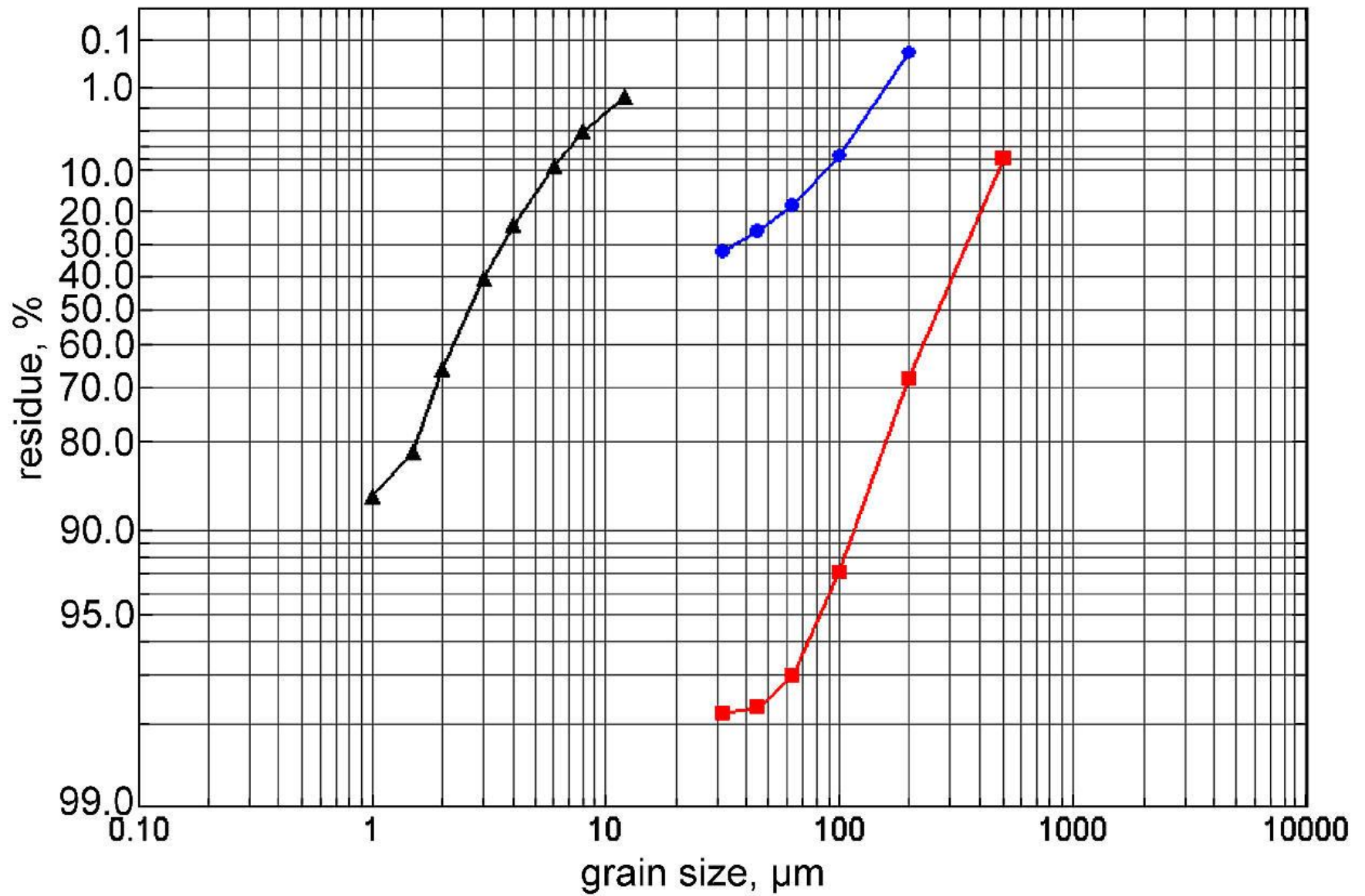
## electromechanical drive

- reliable
- easy to maintain

***classifier drive***



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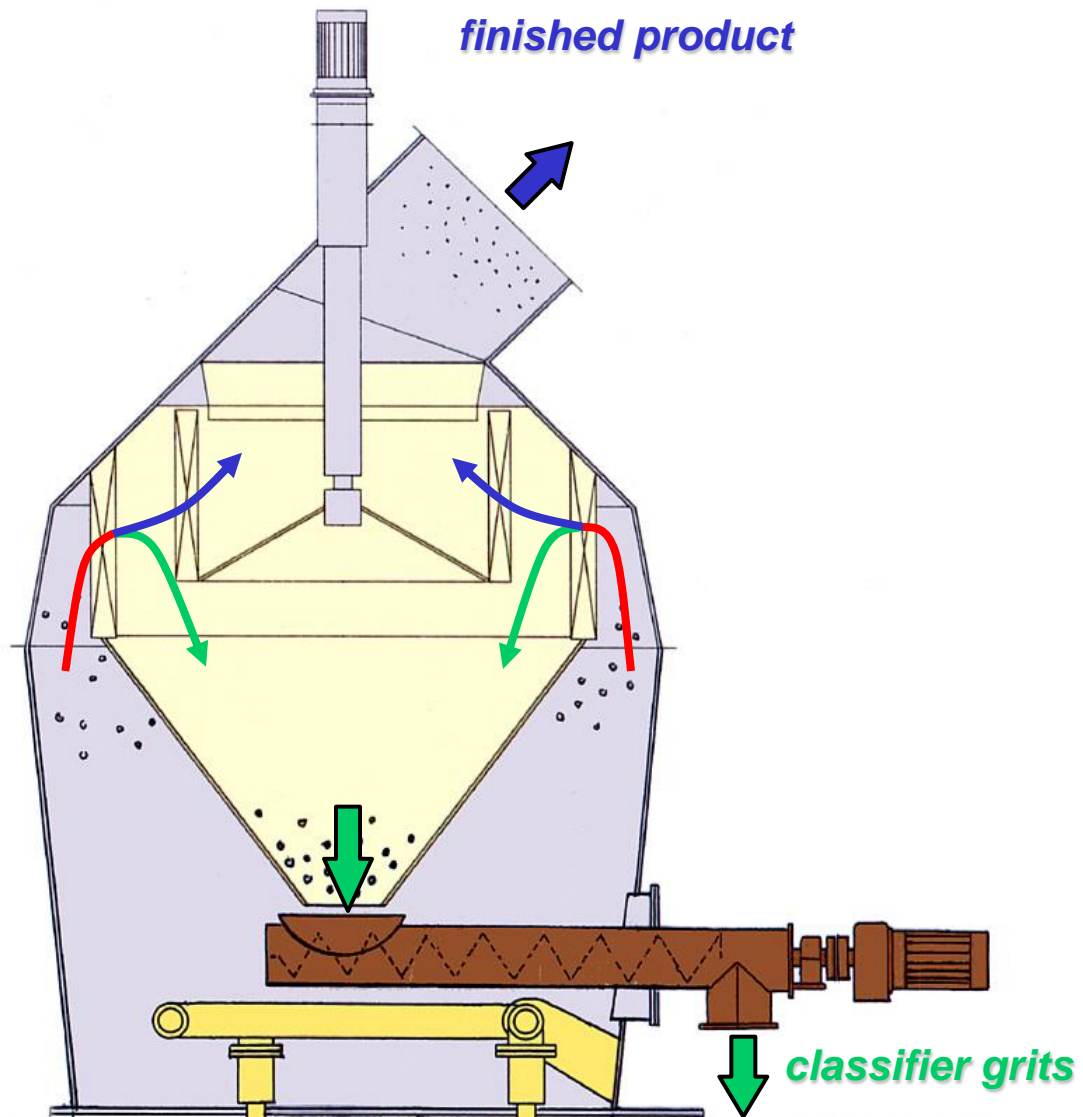


**SLV products - range of fineness**



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***Example of coarse material extraction***



**SLV**

feed material

distribution table

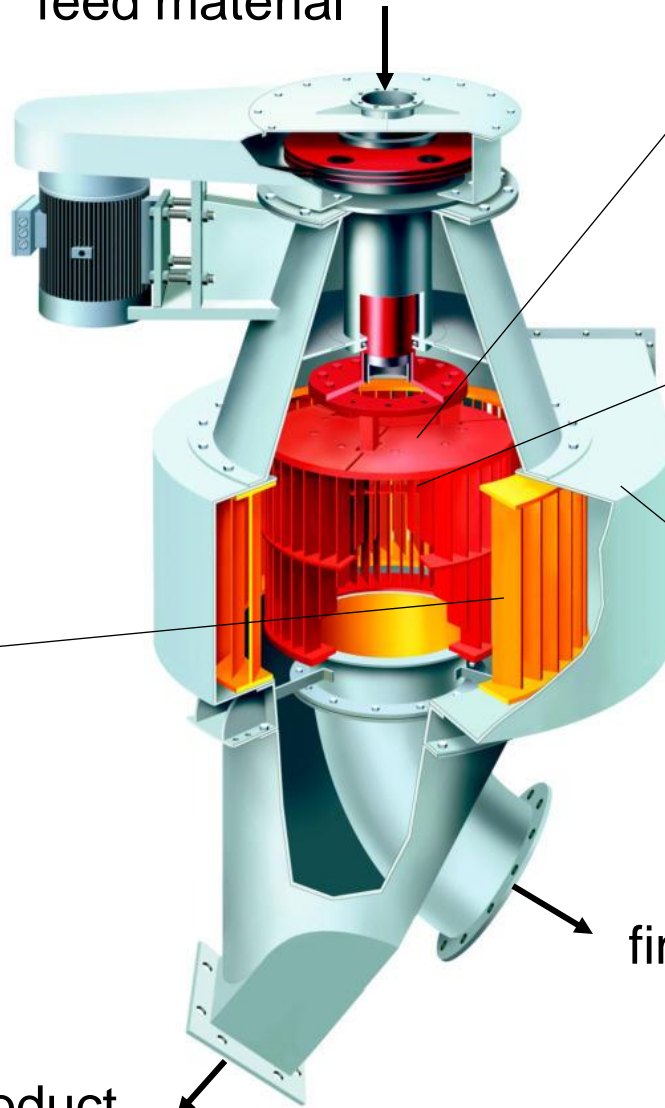
rotor

fixed louver for controlled air flow in the separating zone

spiral housing for air inlet

fine product

coarse product



**SLV high efficiency separator**

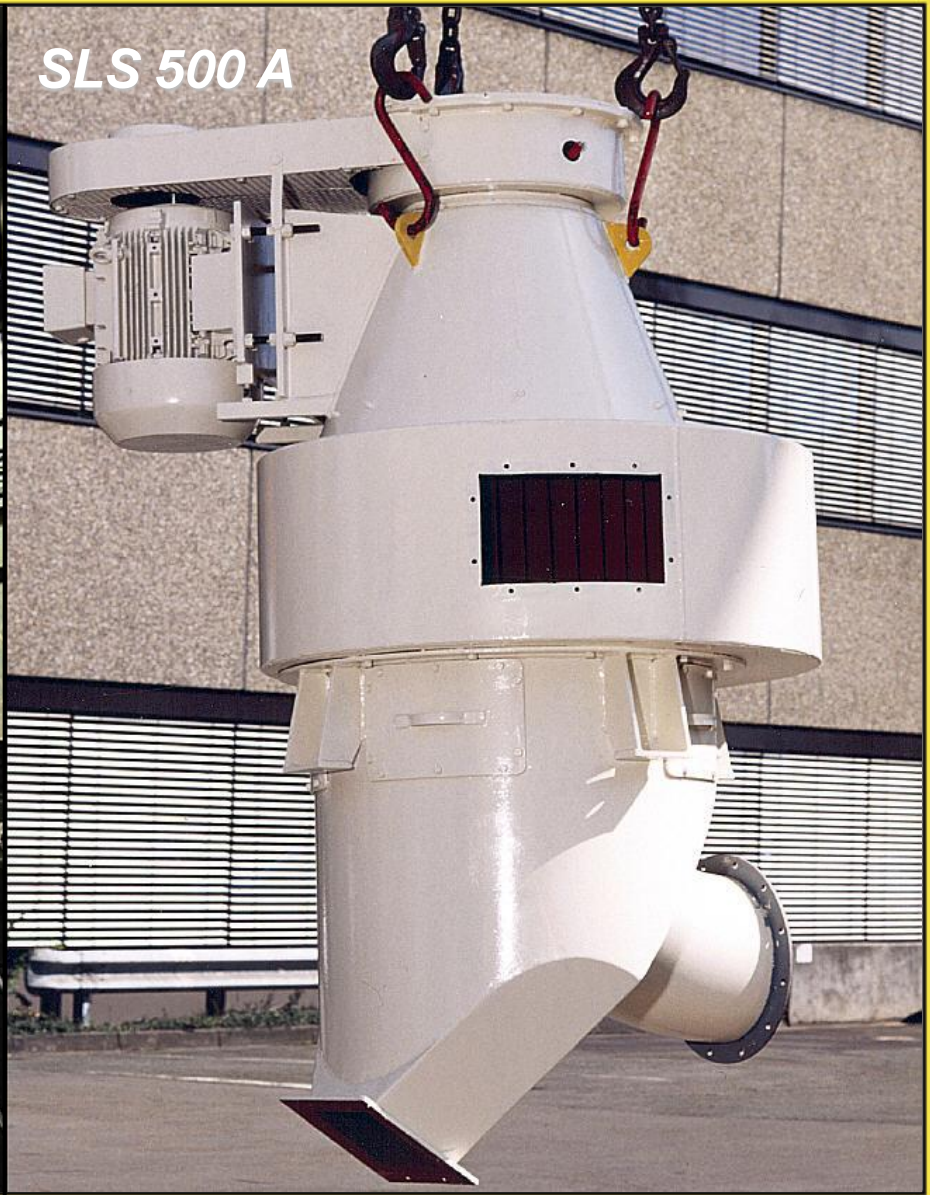


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**SLV 800**



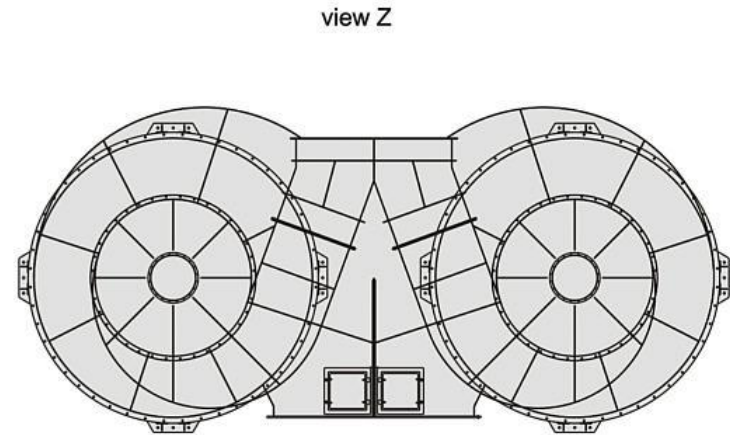
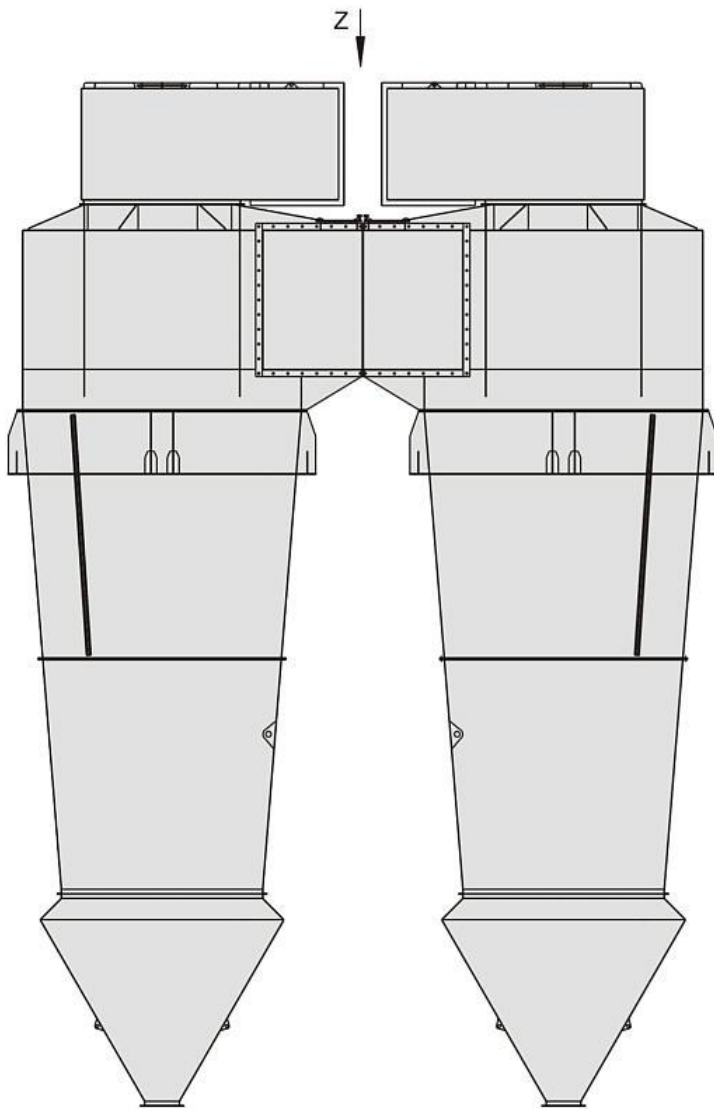
**SLS 500 A**



**high efficiency separators**



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***double cyclone - AZZ***



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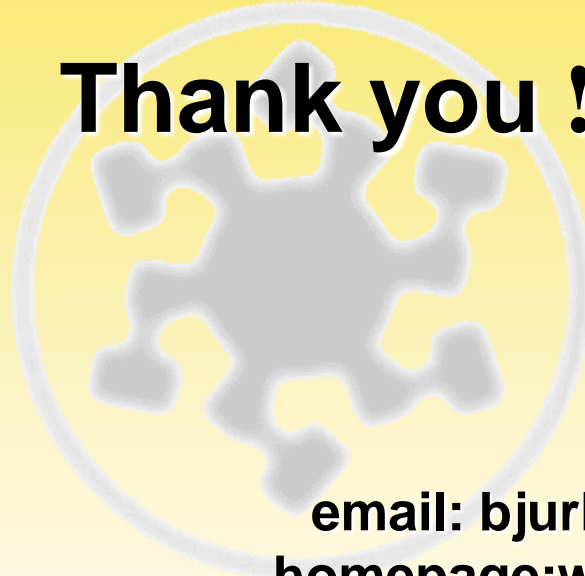
***grinding roller***



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# GEBR. PFEIFFER INC.

**Thank you !**



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*Progress is our tradition*