

) Horomill 3VRM 2HPGR 1HES

(PID) ( ... O-blended Fuzzy logic )  
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1 – HES = High Efficiency Separator

2 – HPGR = High Pressure Grinding Roll

3 – VRM = Vertical Roller Mill

4 – PID = Proportional Integral Derivative

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(HES)



(VRM)



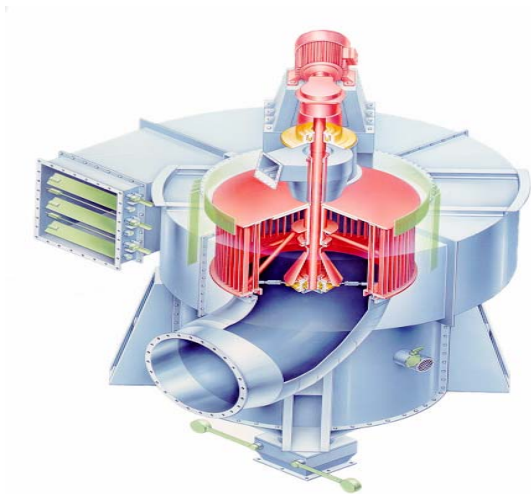
(HPGR)



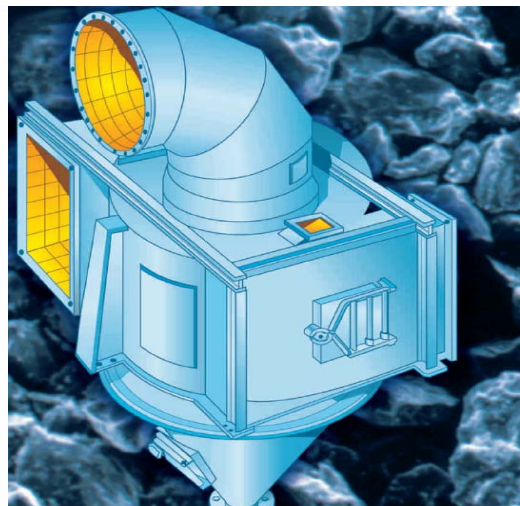
(HES)

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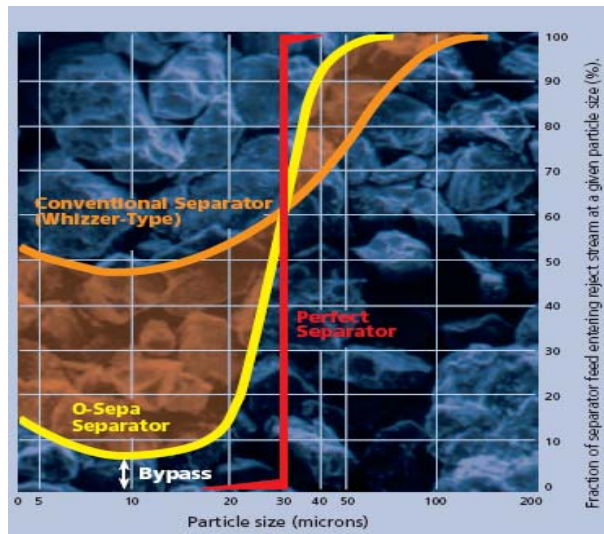
HES



(O-sepa sepol)



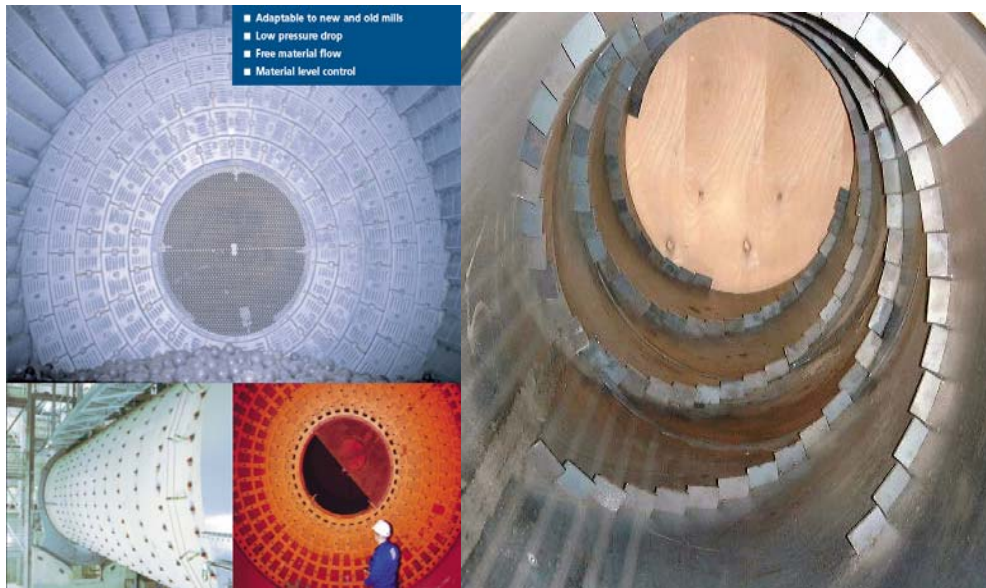
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F.I.S

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Mogatteaux

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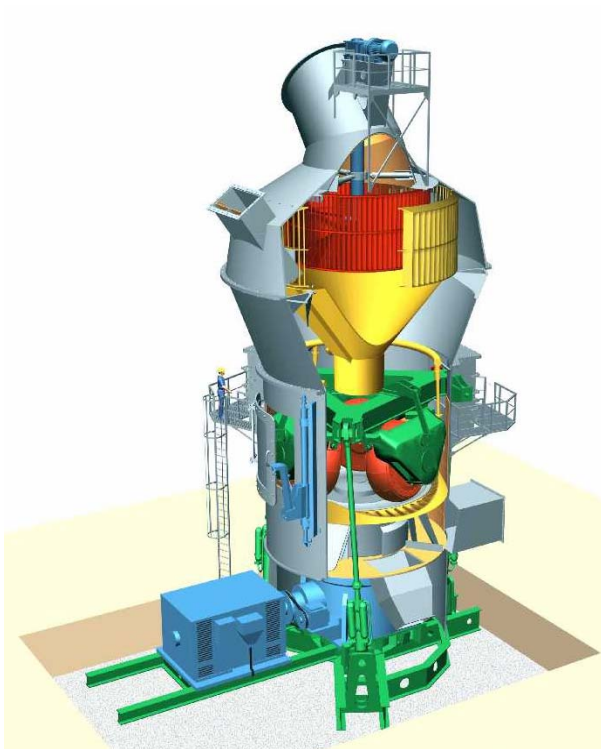
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(VRM)

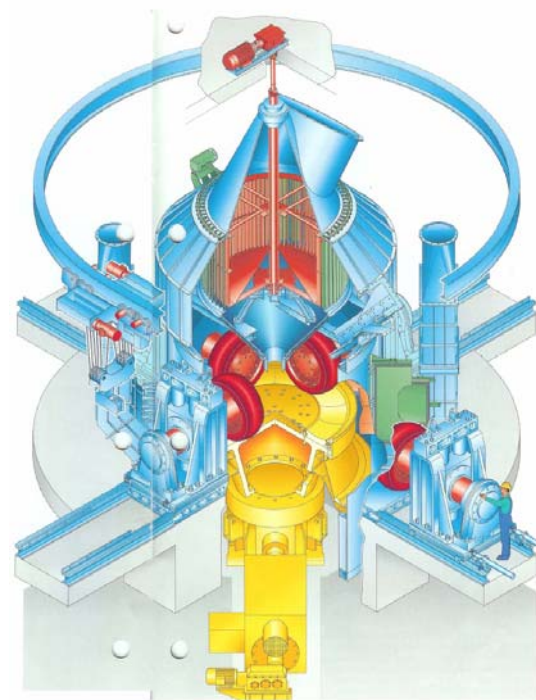
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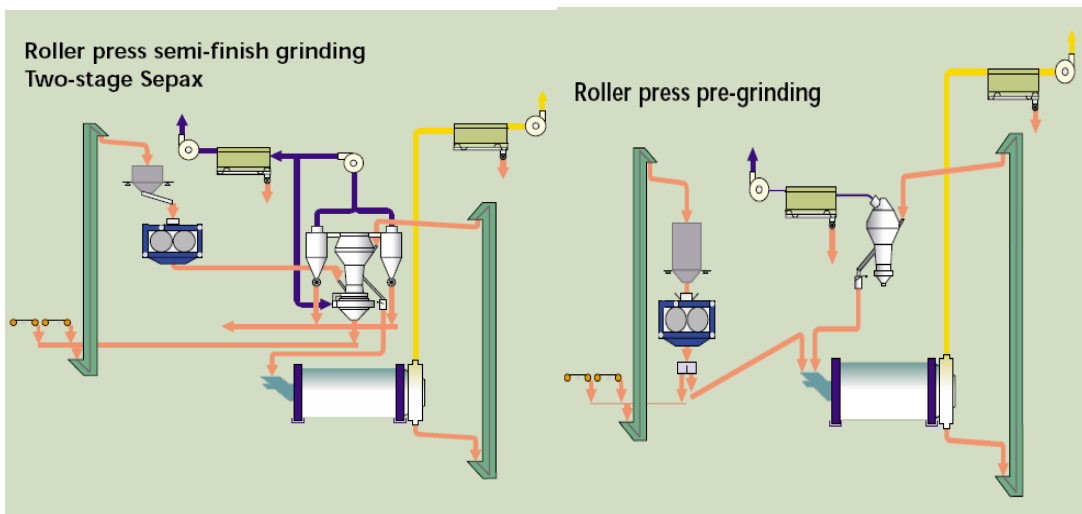
Loesche VRM ( )



Polysius (QUADROPOL) VRM ( )

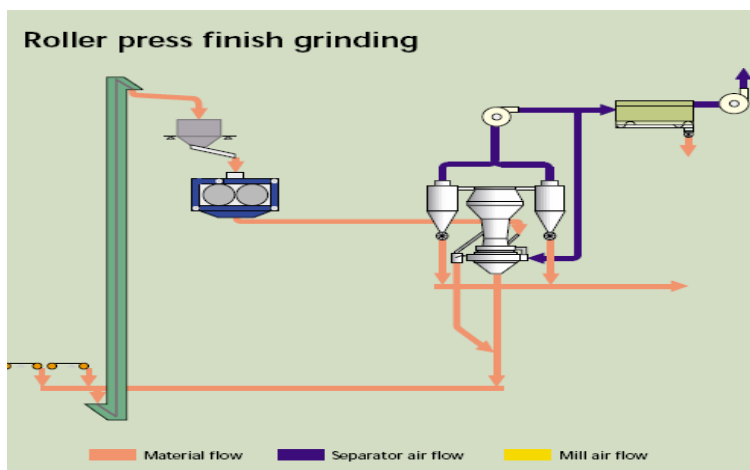
(HPGR)

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HPGR ( )

HPGR ( )



HPGR ( )

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Horomill

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# Cemax

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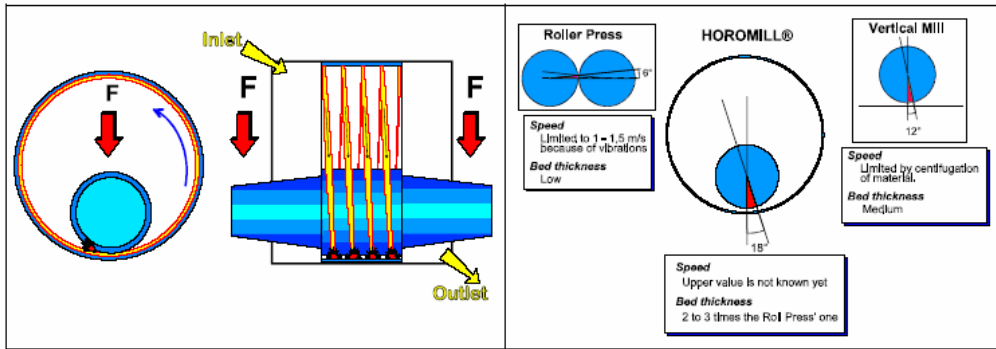


Figure 1 : HOROMILL® principle  
HPGR VRM ( )

Figure 2 : Comparison of the angles of nip  
) Horomill ( )

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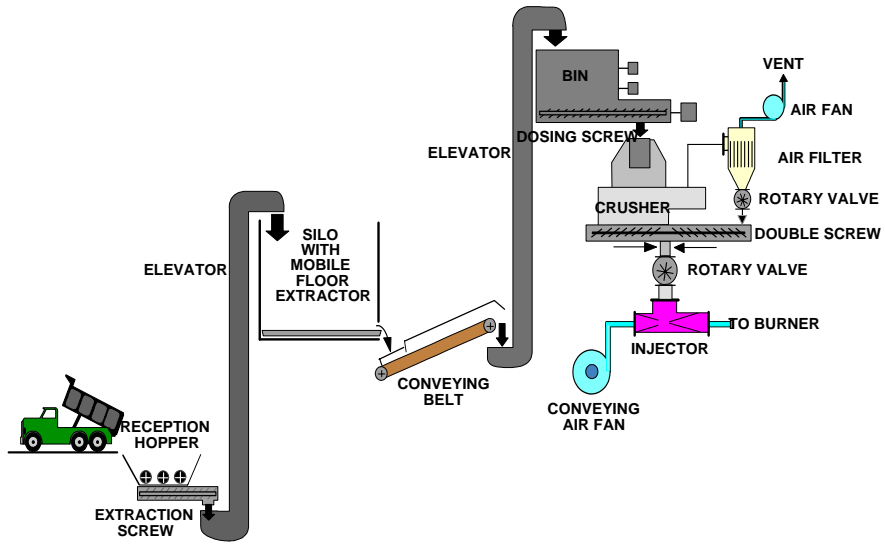
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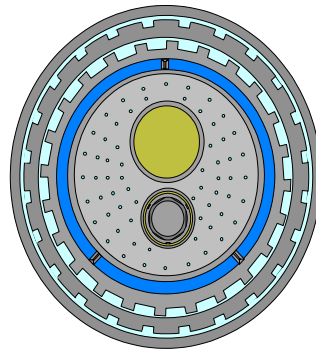
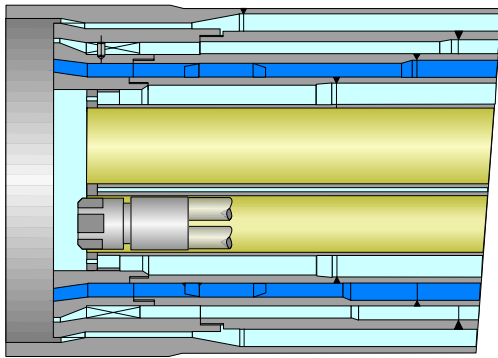
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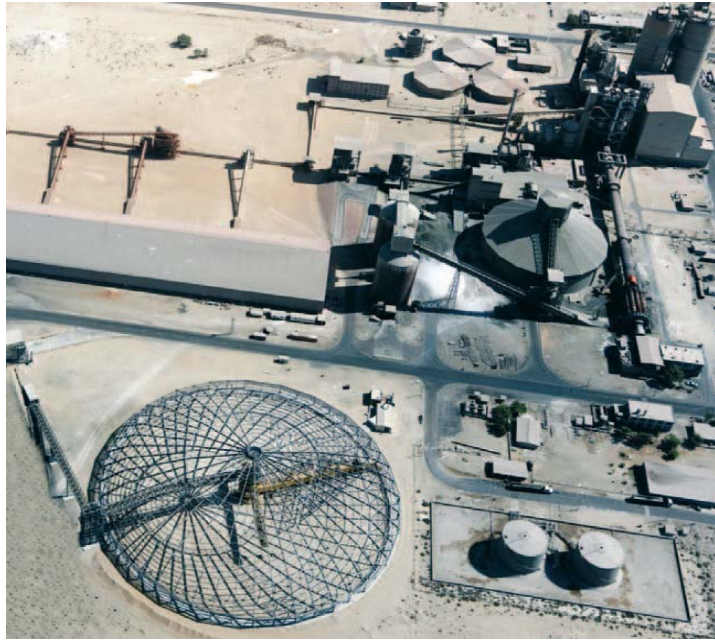
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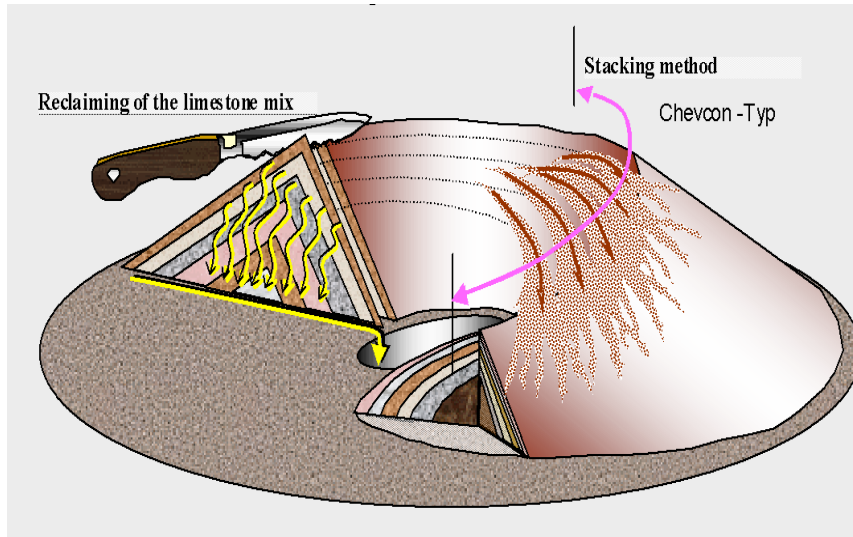
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Fuzzy logic

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PID



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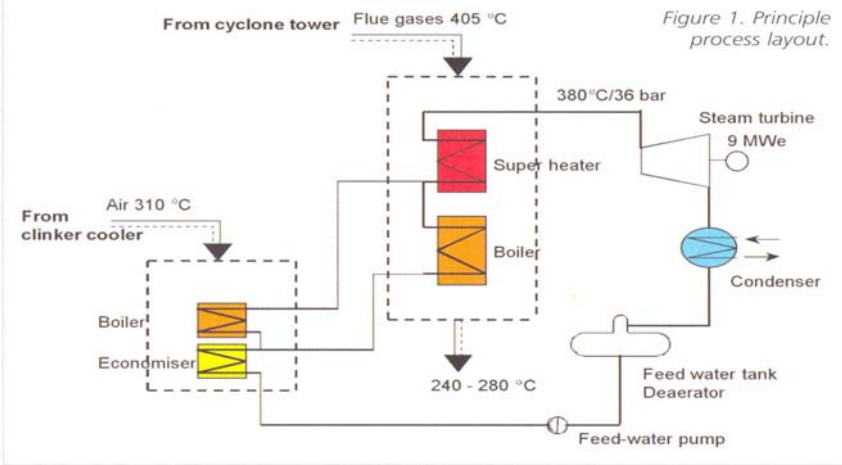


Figure 1. Principle process layout.

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3- [www. International word cement.com](http://www.International word cement.com)

4- [www.Elsevier.com](http://www.Elsevier.com)

"*QUADROPOL*"

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