



Cement Industry - applications



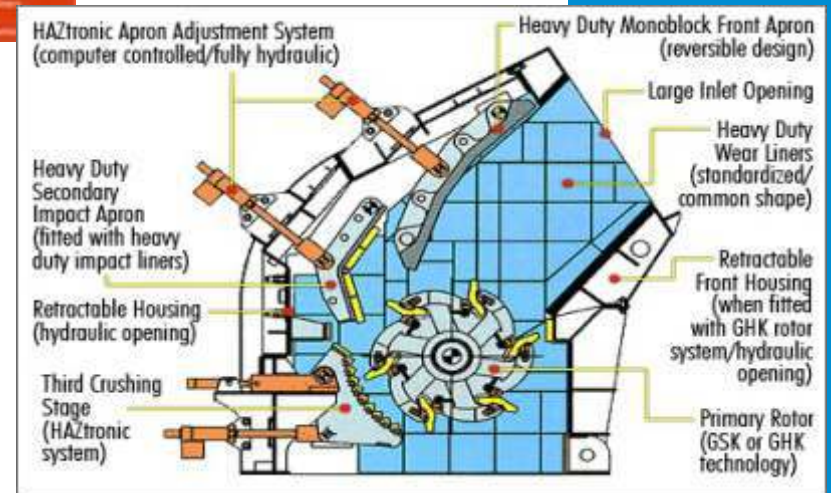
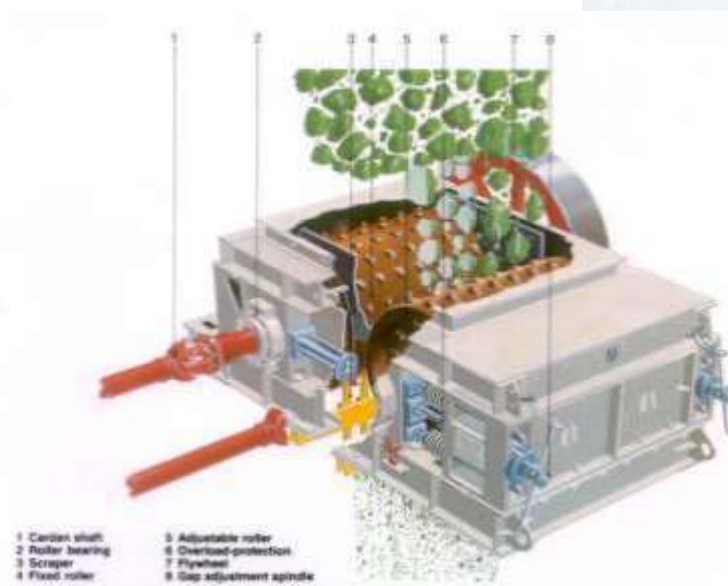
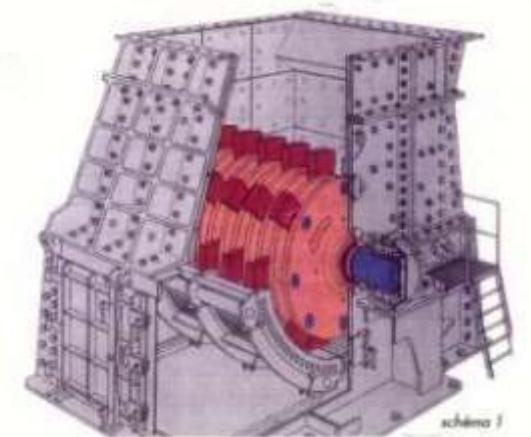
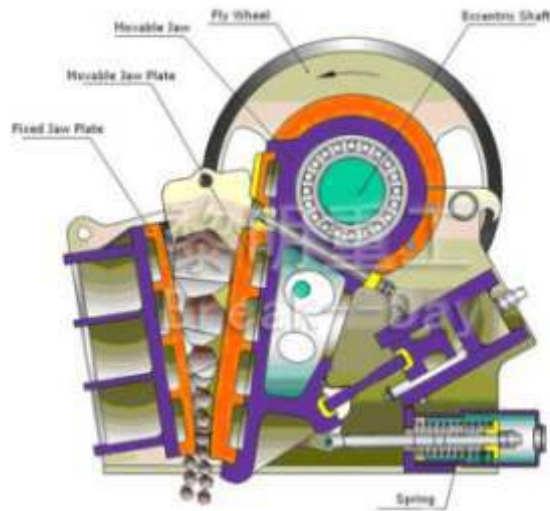


Applications for the cement industry

- **Quarry**
- **Raw material preparation**
- **Preheating tower, kiln and clinker cooler**
- **Cement grinding**
- **Transportation systems**
- **Miscellaneous**



Crusher types





Crusher feeder

Working conditions = impacts and abrasion





Crusher feeder

Working conditions = impacts and abrasion !





Crusher feeder

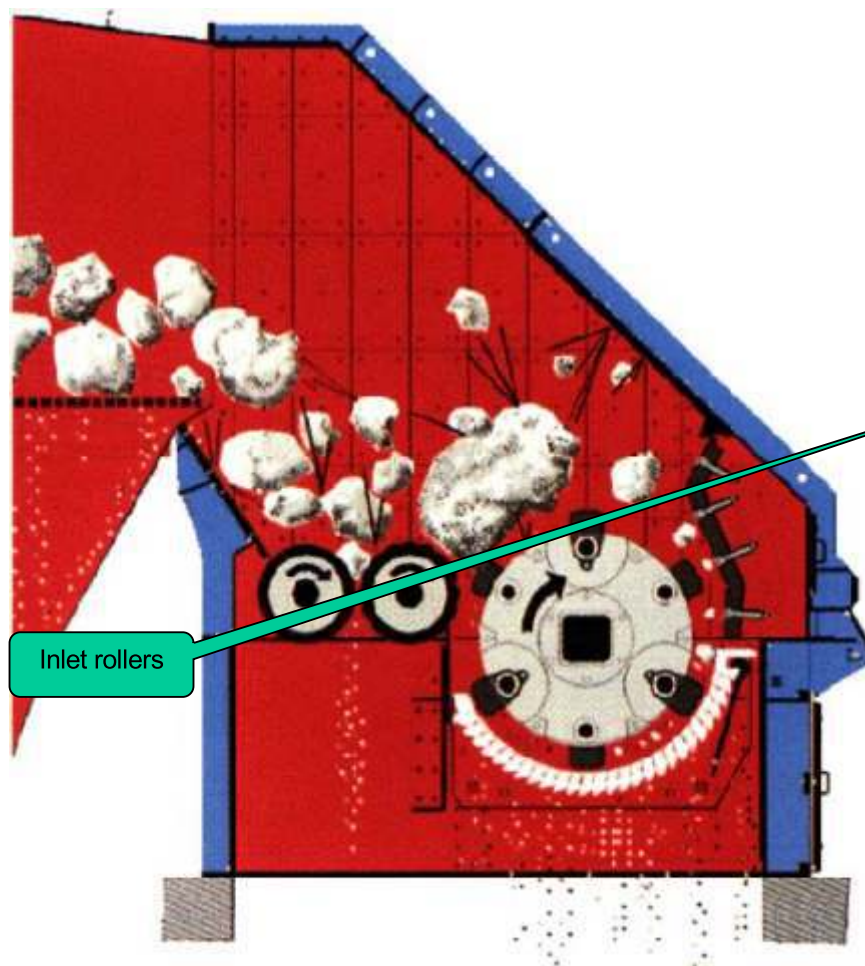
Chute protection with **VPlate**





Crusher feeder

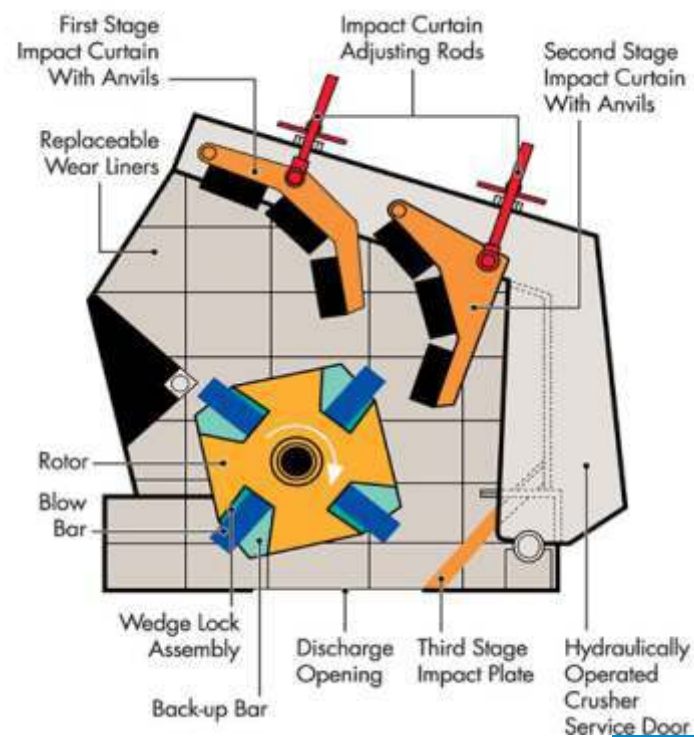
Inlet rollers hardfacing





Blowbars and impact plates

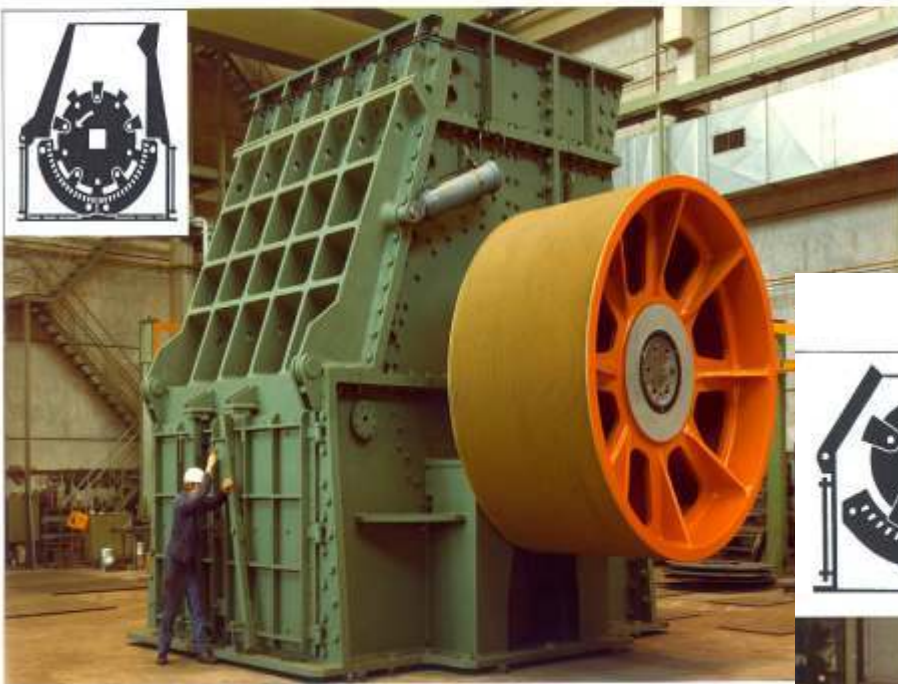
Protection with VPlate



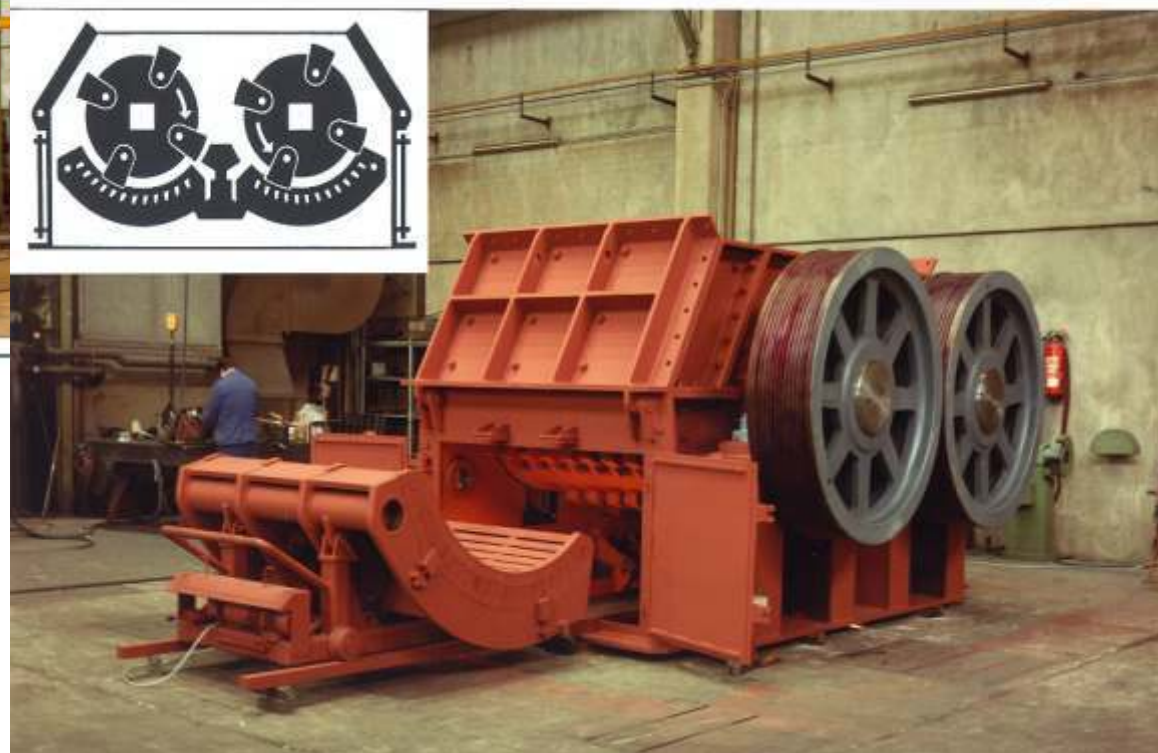
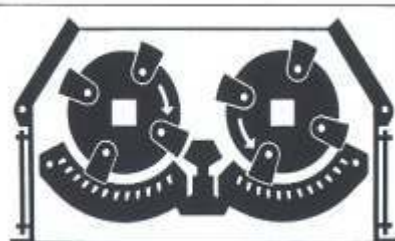


Hammers

MAMMUT SINGLE-SHAFT HAMMER CRUSHER

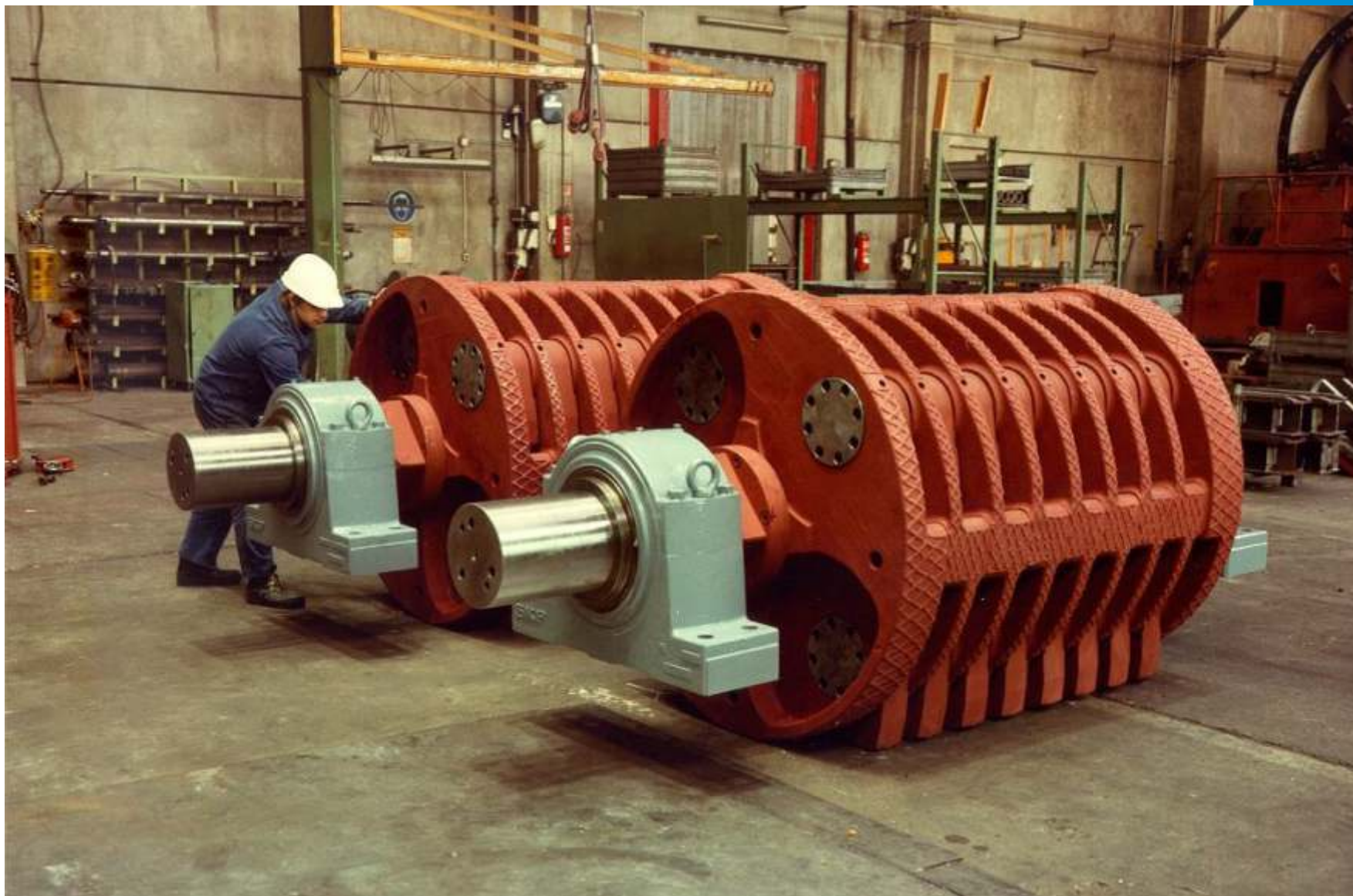


TITAN DOUBLE-SHAFT HAMMER CRUSHER





Hammers





Hammers





Discs and rotors





Gyratory crusher



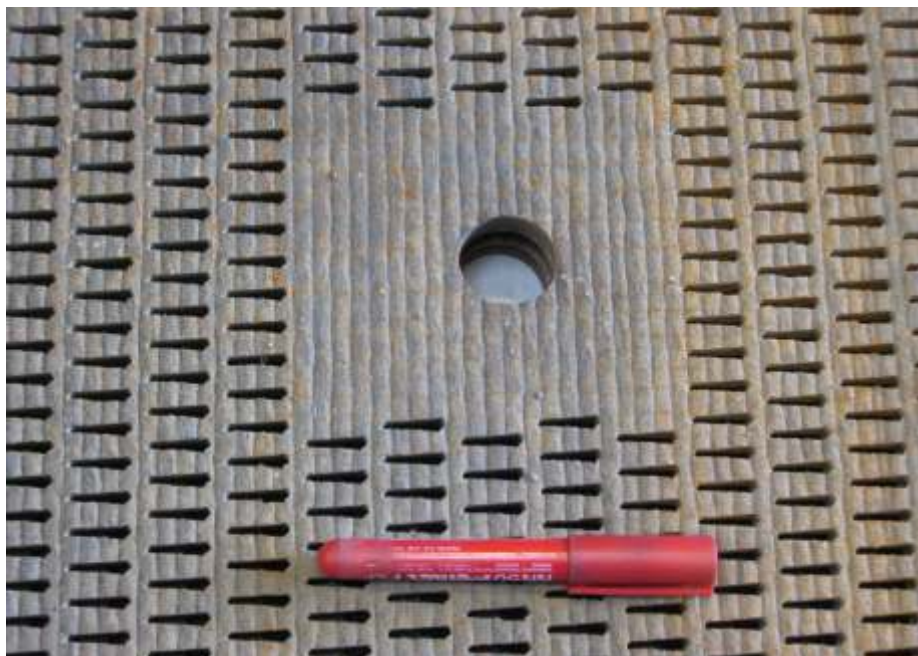


Raw meal preparation





Crusher sieves





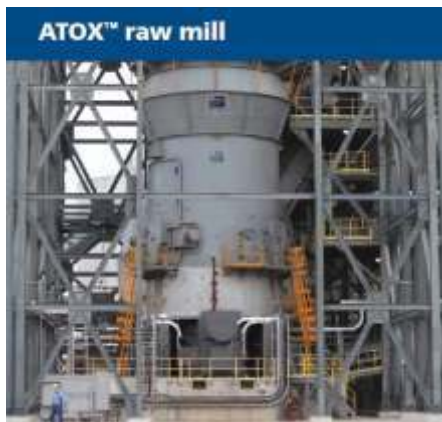
Crusher grate basket





Grinding – vertical mill

FLS



POLYSIUS



LOESCHE



OK vertical roller mill



PFEIFFER



UBE, MITSUBISHI, FULLER, ...



Grinding – vertical mill





Grinding – vertical mill





Vertical Mill Hardfaced Rolls





Hardfaced Pipes





Hardfaced Plates VPlate Cr32





Vertical Mill table – Hardfaced in situ





Vertical Mill Roll – Hardfaced





Vertical Mill Roll – Shieldings





New Discs – Rotary crusher

