

ALTERNATIVE FUEL & RAW MATERIAL (AFR) SHREDDERS ROLL

SPECIALLY FORMULATED NANO BASED SOLUTION FOR AFR SHREDDER COMPONENTS



AREA OF CONCERN

Today in many cement units across India, alternate fuels of different waste materials like municipal waste, plastics, wood, tyre & sludge are used for firing the kiln. This alternative fuel materials are crushed in an AFR shredder crusher rolls, hence the rolls and hammers in the crusher unit get worn out by severe abrasion, erosion combined with high corrosion and this requires immediate replacement or wear facing with welding due to frequent stoppages.

APPLICATIONS

AFR shredders crusher are used in almost all cement units in India, also ADFL wear solution is used in Crusher applications like impactor arms, Grinding paths & blow bars.

SOLUTION

ADFL has a couple of solutions for this high wear-prone application. Wear protection of new shredder rolls and hammers with a combination of LH TUF TECH 58, our titanium carbide electrode designed for high impact & abrasion. The final wear protection with our unique Nano-based Electrode LH ULTRATHERM 70N to give extended life. For worn-out AFR shredder rolls, we build the fatigued shredder roll and hammer to the required profile using our low hydrogen electrode LH 104 & the final wear protection again with LH TUF TECH 58 & Nano electrode LH ULTRATHERM 70N.

SOME OF OUR END USERS

- Dalmia Group