

WA Advanced Grinding Components



Stretching today's materials application limits for cement plant grinding components

These Advanced Grinding Components for Vertical Roller Mill and Roller Press are the result of extensive design and application experience by Welding Alloys and cooperation with key end users and equipment designers. The composite construction of these components results in a simultaneous increase of abrasion resistance and toughness relative to the traditional castings (Ni-Hard, High-Cr) and forgings. The technology is future-proofed through the incorporation of continuing advances in hardfacing technology.



Features

- New castings / forgings pre-prepared for hardfacing
- Composite hardfacing design to balance wear characteristics across grinding faces
- Range of hardfacing options to suit application
- Mono-casting and segmented design (VRM's)
- Solid forged or forged sleeve design (RP's)



Benefits

- Less localised wear (grinding faces maintained)
- Increased abrasion resistance
- Resistant to shock damage and subsequent spalling
- Maintains production output and specific energy consumption
- Increased component lifetime
- Reduced maintenance costs
- Reduced total cost of ownership (TCO)

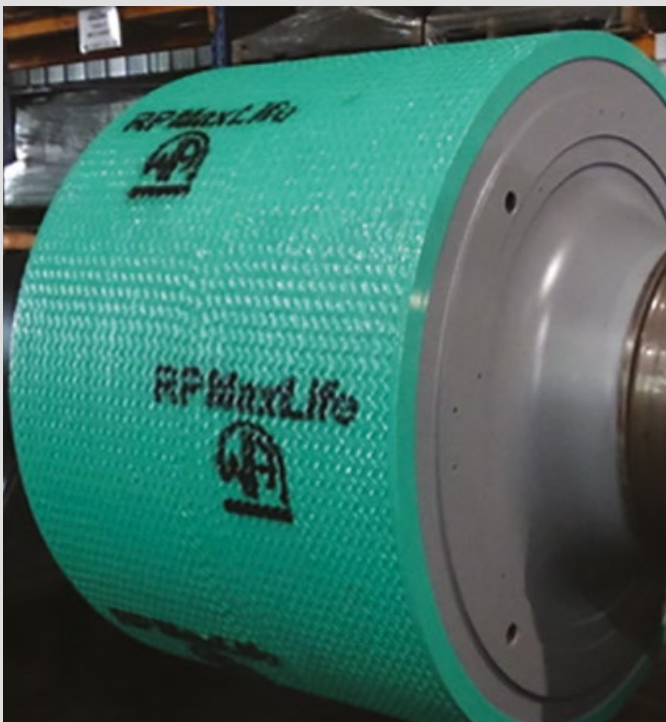


Delivered to shield against wear

The Advanced Components are supplied hardfaced as new and can be re-hardfaced several times, including in-situ as wear progresses (subjected to the specific mill conditions). The maintenance strategy can be therefore optimised for energy consumption, which is one of the highest costs in grinding

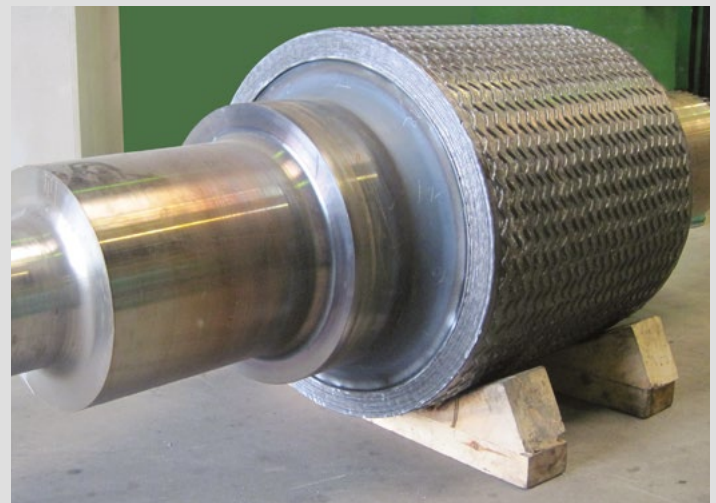


Improved performance



New components that are prepared and hardfaced in our Integra™ Service Centres provide improved productivity and longer service life, incorporating the most advanced wear resistance solutions.

Many components hardfaced with our RP Maxlife solution can see extended wear life of more than double the original lifetime, increasing mill availability and efficiency for longer periods of time.



Above: Picture showing the repair of a roller press before hardfacing

If you are a cement producer, and your mill NEEDS to supply several hundred tons per hour, why risk your operation with doubtful components? Consider the safety and the energy consumption savings when you choose the Advanced Components. The choice is yours.



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Welding Alloys Group
the go-to provider of engineered
wear protection solutions