

New TANDEM rotor cohesive kneading (TRC)

Advanced rotor technology for TANDEM bottom mixer IM550ET



YOUR BENEFITS

- High performance rotor for IM550ET TANDEM bottom mixer with cohesive kneading and compacting effect
- Suitable for processing of dry & ultra-high filled silica masterbatch compounds (even >160phr) for UHP PCR tires with TANDEM technology
- Distributive mixing performance equivalent to TR standard TANDEM rotor
- Improved cooling for low temperature development and control
- 100% interchangeable with TR standard TANDEM rotor

In particular, the processing of ultra-high-filled and very dry silica tread masterbatch compounds for high-performance and ultra-high-performance PCR tires can be a challenge due to their significantly reduced cohesive behaviour. This makes it difficult to produce a coherent batch in the mixing process, which is mandatory for typical automated downstream process configurations in the tyre industry. The **new TRC TANDEM rotor** solves this challenge by creating an additional cohesive kneading and compacting effect during mixing. Combined with a further improved self-intake behaviour compared to the standard TANDEM rotor, the new TRC is also suitable for carbon black masterbatch, standard silica masterbatch, remill and final batch* applications.

* Only in combination with PES6 rotor in TANDEM upper mixer



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