

Machining

Besides the well proved TR- and TB-chilled cast iron grades the special materials of the TM and TCBR groups developed by BREITENBACH allow further improvement in the grinding results. In flour, meal and oil mills, they provide significantly better results in respect of yield and product quality, at the same time enhancing economic efficiency.

The TCBR marathon grades used for corrugated rolls are characterised by high hardness and high resistance to wear combined with excellent toughness. As compared with rolls made from chilled cast iron, the TCBR-roll is subject to less and especially to more uniform wear, which means consistent high quality of the crashed product and a significantly extended lifetime for the corrugation.

The TM-grades used for smooth- and flaking rolls guarantee almost uniform hardness over the cross section of the roll. Their self-surfacing roll body excellently adapts itself to the product to be ground, which yields outstanding feeding capacity, and therefore higher product quality and more efficient grinding.

Maximum precision is the basic principle according to which all BREITENBACH rolls are manufactured. Advanced CNC machines ensure high-precision processing throughout the complete manufacturing process. Journals and roll bodies are processed with high precision, in accordance with customer's specification. The roll surface may be:

- ground
- corrugated
- shot-blasted

The quality of the surface finish is guaranteed by our long experience and expertise in the precise processing of rolls.

