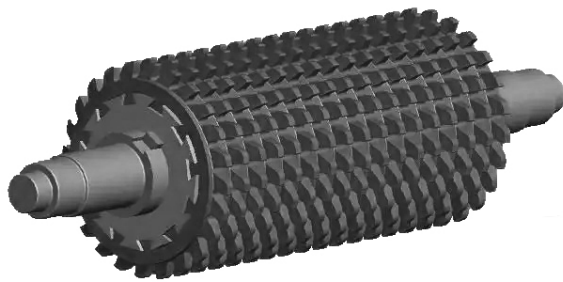


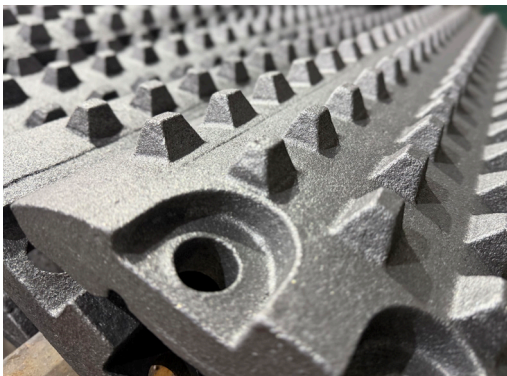
Toothed Roll Crusher Segment



Toothed roll crushers are mechanical equipment used for crushing medium to low hardness brittle materials. They are mainly used in coal, mining, metallurgy, sand and gravel quarries, and coal preparation plants. Their core function is to generate shearing force through the counter-rotating of toothed rolls to split and crush materials such as coal, coke, and coal gangue.



Sunwill Machinery as a foundry specialized in manufacturing of wear parts and providing longer wear solutions to decrease downtime for crushers, the segment liners we manufactured for toothed roll crushers are welcomed in coal processing plants and quarries, and the tooth segments with Tic (Titanium Carbide) are largely increasing the service time of toothed roll crushers.



Material	Application	Features
Mn18Cr2 Manganese steel	Primary tooth roll crusher	Superior impact-resistance but wear fast
Mn18Cr2 Manganese steel +Tic Inserts	Primary tooth roll crusher	Superior impact-resistance and wear life is more than70% increased than Mn18Cr2
Alloy steel	Secondary tooth roll crusher	Moderate impact-resistance and wear life
Chrome white iron	Tertiary tooth roll crusher	Longest wear life but brittle

* Wear life of manganese +Tic inserts is for reference only. The actual increase may vary with the quantity and size of Tic inserts. The curve of tooth may need to be modified for inserting Tic.

In case of an inquiry, please feel free to contact us at info@sunwillmachinery.com. Our sales will support with the technical solution, Tic arrangement plan and proposal.