

Publication: 2008

Industry: Steel production industry

Highlighted products: SCT Master Roll

Length: 1807 characters

System partnership shows its first success
Revolutionary Master Roll Concept SCT Master Roll
Implementing the quality of rolls and the standing time

At the beginning of February 2008, the hard material specialist CERATIZIT and the leading specialist for hydraulic high-performance tools SCHAAF have concluded a system partnership. The objective of both enterprises is to offer innovative solutions from one source.

Right the first common project shows the enormous potential of the cooperation. In this new developed master roll concept the developers have revolutionized the applied clamping concept. In the case of the SCT Master Roll the rolling rings are not fixed through traditional or hydraulic systems. The new system works with a highly-pretensioned central con-rod on which the various rolling rings are pressed to a bend-proof unit.

This concept can completely dispense with the hydraulic nuts needed up to now, so that the master rolls features the space needed for additional rolling rings. The system partners' developers intended to create a roll concept, which not only increases durability, but also reduces wear and optimizes costs.

Furthermore, the system should be easy to handle, so that bearing rings can be replaced without any difficulty and that the central tie rod can be used consistently. During the implementation, the system partners have realized a concept, which guarantees the user more production safety and increase in production at the same time.

This construction immediately results in better durability and greatly reduced reworking. The SCT Master Roll only requires a stud tensioning device for clamping, which works up to 4000 bar. It is very convenient as it can be maintained and acquired easily and as only one clamping system is needed for several SCT Master Rolls.