Cracker
Abrasion resistant coating with
Integrated Cutting Effect

Unique carbide coating specifically developed
for hammer tools and shredders

Ideal for
• Extending hammers performance
• Protecting hard metal inserts against abrasion
• Maintaining tool edge and geometry
• Achieving the best cost / performance ratio

Cracker is exclusively provided as a
CastoLab Service
Cracker coating

Cracker is a highly abrasion resistant coating that has been specifically developed for improving hammer service life. This coating is applied on equipment hammers that process large volumes of materials and where abrasion and mild impacts cause a large amount of wear that eventually reduces machine performance and availability. The wear resistance of Cracker comes from the large carbides (up to 1.6mm) that are strongly bound into a tough tool steel matrix. This particular blend not only confers abrasion and impact resistant properties, it also provides a rough surface feature that is extremely useful in applications where materials must be shred.

Integrated Cutting Effect

As in abrasive discs where small hard particles, held by an elastic material, are used to grind surfaces, Cracker carbides act like knives in shredding applications. Their sharp edge initiates chipping off the material that has to be reduced. This Integrated Cutting Effect extends the hammer performance for a much longer period than traditional wearfacing materials.

Edge stability

Hammers shape is critical to provide good performance. Unfortunately, wear damages their sharp edges and they eventually become dull. Compared to other solutions, Cracker maintains the tool edge for a longer period of time. In addition to minimize maintenance costs, this feature also reduces the energy consumption!

Applications

Hammers

Cracker is the perfect coating for applications where large volume of soft to medium-hard materials such as wood, plastic, organic waste or coal has to be ground. Hammers made from mild and heat treated steels are easily been protected by Cracker. Any kind of surface can be coated as long as no tight dimension tolerances are requested.

Hard metal inserts

These inserts offer a very high wear resistance. Nevertheless, the support part on which they are inserted (often mild steel) may fail due to severe abrasion. Cracker can be applied all around the insert to protect the base and thereby to increase the overall wear resistance.

...and any other application that suffer large abrasion!

Many applications can be protected with Cracker, for example the rotary hoe in the agriculture industry.

Industries

Typical industries that can benefit from the Cracker advantage are: agriculture, biomass, coal, organic waste, plastic recycling, sugar cane, waste and recycling, wood, dredging and mining.

Cracker a CastoLab® Service coating

Cracker is provided only as a coating from your CastoLab® Service workshop. Dedicated team of wear specialists will be happy to help you finding the best solution for your equipment.