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GEURTS VAN KESSEL HARDFACING

EXTENDING DURABILITY

Circular wear solutions in practice

At Geurts van Kessel Hardfacing, we work every day on extending the lifetime of machine parts – and with that, on building a more sustainable industry. What we do, we call circular engineering in practice: slowing down material consumption while promoting the reuse of high-quality raw materials.

Making machines more sustainable. That's what we do.

Our approach is built on two powerful elements: high-quality wear-resistant layers and a smart refurbishment process. We apply our specially developed wear layer to metal components such as rotors, blades, and teeth. This layer partly consists of recycled hard metal, such as crushed WIDIA tips and milling heads. By reusing these as an additive in our hardfacing material, we give valuable resources a second life.

The result? Less wear, fewer replacements, and therefore less production of new metal parts – a process that normally requires a great deal of energy and raw materials. Thanks to our wear-resistant layers, components remain in use much longer, directly contributing to CO₂ reduction and waste minimization.

But it doesn't stop there.

Over time, we can also refurbish these components. The old wear layer is partially removed and rebuilt – without the need to replace the underlying base material. In this way, we prepare parts for a second (or even third) lifecycle. This not only lowers costs for our customers, but also drastically reduces material consumption and environmental impact.

Why discard when you can renew?

With our expertise in hardfacing and refurbishment, we make machines more future-proof. Every time we refurbish a component instead of replacing it, we save on raw materials, energy, and emissions. In this way, we contribute to the circular economy – not in theory, but in practice, right on the shop floor.

Challenge us.

Dealing with unwanted wear, excessive maintenance, and high costs for your machine and wear parts? Schedule an appointment with Bjorn. +31 (0) 6 33 93 35 58 | Bjorn@hardfacing.nl

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