

GEURTS VAN KESSEL HARDFACING

EXTENDING DURABILITY OF WEAR PARTS

WEAR ENGINEERING FOR RECYCLING



Extend component
lifetime **together**



WEAR MECHANISMS

ABRASION

IMPACT

GEOMETRY
LOSS

ABRASION

Material is gradually worn away by friction with hard particles. Common in continuous contact with bulk materials such as waste streams.

IMPACT

High forces and repeated shocks cause cracks, deformation or breakage. Often combined with abrasion in heavy-duty applications.

GEOMETRY LOSS

Loss of shape affects performance, efficiency and machine output. Even limited wear can significantly reduce functionality.

With over 25 years in recycling wear protection, we've worked across a wide range of applications and wear conditions.

In recycling, wear is rarely caused by a single mechanism. The real challenge is the interaction between impact and abrasion — and selecting a material that doesn't fail under both.

We don't just apply hardfacing. We think along in design, material selection and application — where the real impact on lifetime is made.

WEAR SOLUTIONS

Choosing the right wear solution

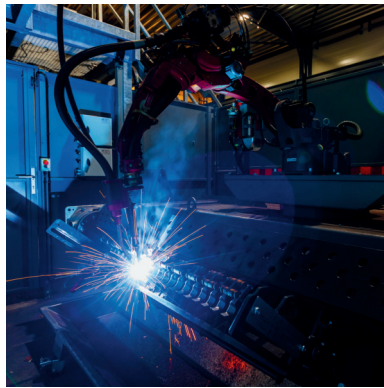
The optimal solution depends on the wear mechanism and application.



ENGINEERING

Programming for automation

- Ensuring precision, consistency and repeatability.



CGP®

Tungsten carbide overlay

- Extreme wear resistance
- Suitable for heavy abrasion and impact



RECYCLAD®

Laser cladding technology

- Precision and controlled layer thickness
- Ideal for applications where geometry and consistency are critical

Independent wear partner

We support OEMs, service companies and engineers in improving component lifetime & performance. We analyse wear patterns, adjust geometry where needed, and select materials based on the actual load conditions — not just on hardness.

Let's discuss your wear challenges and improve component performance.

Our goal is simple: Make machines last longer. Perform better.

Schedule a meeting with our specialists!

GEURTS VAN KESSEL HARDFACING

EXTENDING DURABILITY OF WEAR PARTS

Zoggelsestraat 27, 5384 LL Heesch
Nederland +31 (0)412 25 00 35
info@hardfacing.nl www.hardfacing.nl

