

GEURTS VAN KESSEL HARDFACING

EXTENDING DURABILITY OF WEAR PARTS

Wear Protection for Agricultural Equipment



Customized wear protection

Which wear layer best suits your machine, soil type, and application?

In this brochure, we explain what Agri-Laser, Agri-Panzer, and CGP® can do for you.

Not every agricultural application is the same. Soil type (sand, clay, stony), impact (stones, shocks), and type of wear (abrasive vs. cutting) all influence which weld layer is most suitable.

Some components mainly suffer from abrasive wear (frequent contact, fine sand), while others are more exposed to impact (stones, hard soil). Edge retention is also important – you want to maintain sharp edges, for example on rotary harrow tines or cultivator points.

That's why we offer three different wear layers, each with its own profile:

- Agri-Laser®
- Agri-Panzer®
- CGP®

On the following pages, we take a closer look at the characteristics of each layer and which applications they are best suited for.

Challenge us

Are you dealing with unwanted wear, too much maintenance, or high costs for your machines and wear parts?

Would you like to know which wear layer works best for your application?

Send us a photo or contact our specialists.

Schedule an appointment with Bjorn:

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Agri-Laser®

Precision with minimal resistance

Agri-Laser® is used where precision, shape retention, and low resistance are essential.

Thanks to laser energy during the welding process, a fine, dense structure is created with excellent adhesion. The layer is impact-resistant, maintains its sharp edges, and can also be applied to thin parts without causing deformation.

Agri-Laser® is particularly suitable for soils or applications where minimal resistance is desired – such as lighter tillage operations or where energy efficiency is important.

- ✓ Precise and clean weld appearance
- ✓ Low resistance when passing through soil
- ✓ Excellent edge retention
- ✓ High impact resistance



Agri-Panzer®

Built for the toughest conditions

Agri-Panzer® is developed for extreme abrasive wear and long-term contact with soil and sand. The layer combines high hardness with good toughness, allowing components to retain their shape even under demanding conditions.

This hardfacing is ideal for ploughs, cultivators, and harrows operating in sandy or loamy soils, where wear is constant.

- ✓ High wear resistance under abrasive loads
- ✓ Suitable for intensive operation and sandy soils
- ✓ Significantly extends service life

CGP®

Proven technology from the recycling industry

Also applicable in agricultural technology. CGP® contains tungsten carbide particles that are fused into a tough matrix. This results in an exceptionally hard and durable wear layer, resistant to both abrasive and impact wear.

In agriculture, CGP® is used in situations involving heavy loads, high impact, or where standard layers are not sufficient.

- ✓ Extremely hard, durable layer
- ✓ Resistant to high impact and pressure
- ✓ Suitable for mixed or heavy soil types



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