

OAT

GRINDING & GROOVING



SURFACES/
TEXTURES

QUALITY
MUST BE
TRANS
PARENT
AND
CONTROL
LABLE.



The topic of sustainability is more important today than ever before, and transport plays a crucial role in this. In addition to the transformation to e-mobility, there are other ways to act in an environmentally friendly manner. For example, the consumption of fuels and electricity as well as the durability of traffic pavements can make a significant contribution. The surface properties of traffic pavements play a key role in this aspect. The latest grinding and grooving technology represents an innovative method of surface design to specifically produce evenness, skid resistance and noise reduction. Even road surfaces have many advantages: they reduce the stress on the road structure, minimise energy consumption through lower rolling resistance and increase driving comfort. In addition, grinding textures can reduce tyre-road-noise and thus relieve residents, road users and the environment.

Currently it can be expected that this form of surface treatment will become the new standard construction method for federal roads and highways and thus replace the exposed aggregate concrete construction method. A novelty here is the idea that surface textures can be renewed quickly and in a resource-saving way. It is possible to coordinate the service life of the surface and the superstructure. As a result, costly and material-intensive maintenance or renewal measures can be avoided.

It is time to implement sustainable approaches and solutions in the transport sector. Let us work together to ensure that road construction makes a positive contribution to environmental protection.

WE ARE CREATING THE PATH TO THE FUTURE!

ADVANTAGES

- Increasing road safety by improving skid resistance
- Protection of the environment through reduction of tyre-road-noise
- Texture design according to the latest scientific developments
- Can be used on new and existing surfaces in concrete and asphalt
- Elimination of accident hotspots in areas of changing gradients
- Optimisation of evenness for better driving comfort and longer service life of the traffic pavement (minimisation of dynamic wheel load)
- Reduction of the risk of aquaplaning
- Short closure times due to powerful machine technology (up to 6,000 m² per shift)

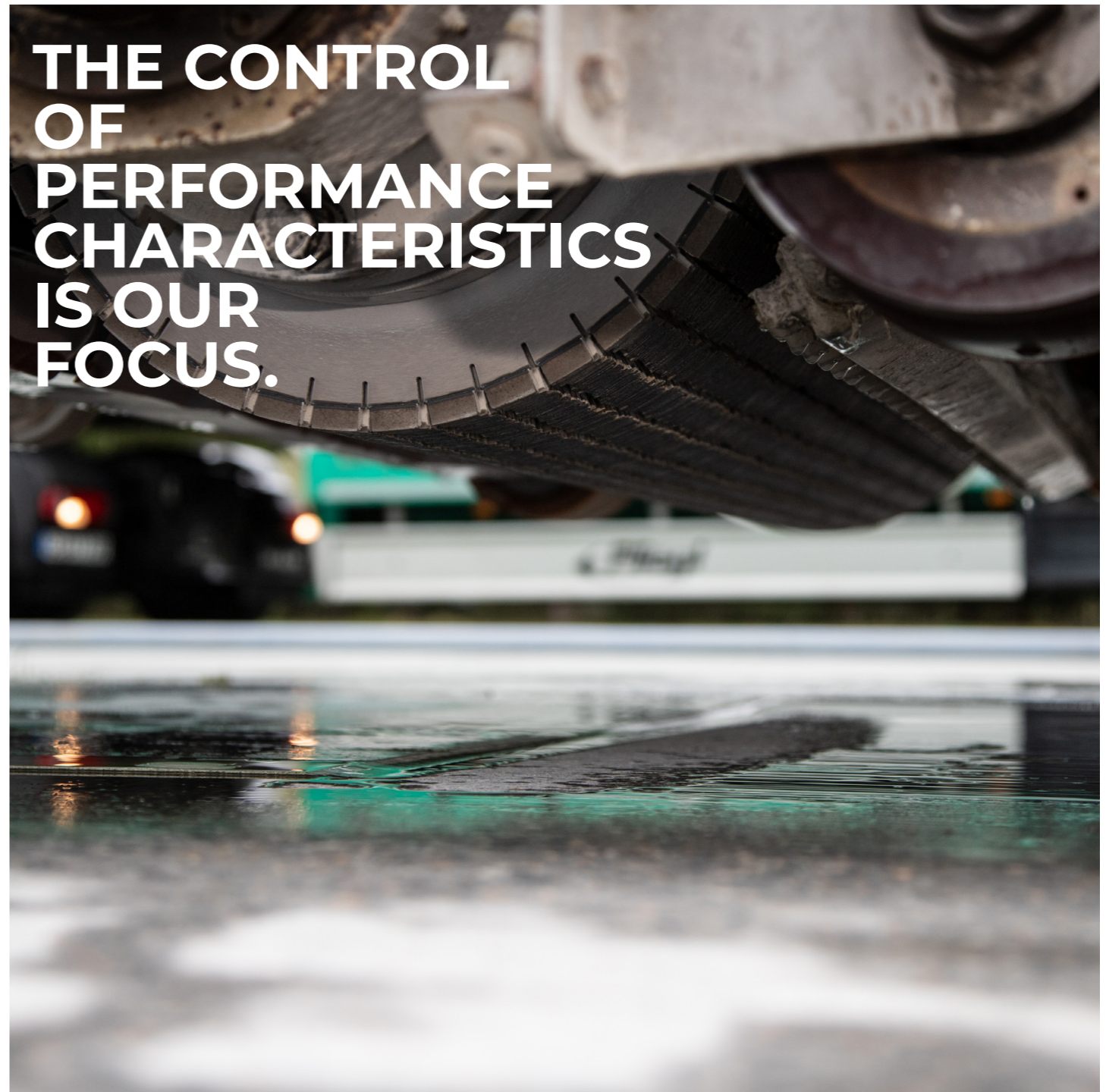
TECHNOLOGY

- State-of-the-art environmentally friendly engine technology (SCR catalytic converter - AdBlue and particle filter)
- Engine power up to 630 hp
- Fully automated slurry extraction system
- Automated machine control for line guidance for minimum overlap areas
- Precise removal thanks to machine control and scanning systems
- Shaft width up to 1.45 m

more informations



1 Production lane to lane - patented control technology via scanning | 2 Grinding/grooving shaft - variable composition for optimised surface design | 3 modern measuring and control technology - increase in process/product quality



WHAT IS YOUR
TEXTURE PREFEREN-
CE?
LET US
OPTIMISE
YOUR SURFACE.



AS OUR CUSTOMER,
YOU DEFINE THE TEXTURES
AND PERFORMANCE
CHARACTERISTICS



WE TRANSFORM YOUR
INDIVIDUAL REQUIREMENTS
INTO CUSTOMIZED
SURFACE SOLUTIONS



WORKING AS A TEAM
WITH GREAT KNOW-HOW,
WE FOCUS ON QUALITY
AND SUSTAINABILITY

AP PLICA TION

Our brochure offers an insight into the fascinating world of grinding, an innovative technique for targeted surface design. Using state-of-the-art cutting tools, fine grooves are cut into the road surface to achieve different effects. Basically, there are two types of grinding: Evenness grinding and texture grinding. With evenness grinding, upwardly projecting unevenness is eliminated, while texture grinding with constant material removal leads to a homogeneous surface appearance. Thanks to the height control and the corresponding equipment of the grinding shaft, the surface properties can be precisely controlled. This is important because there are often conflicting goals between the individual properties (e.g. skid resistance, rolling resistance, noise and drainage), making it necessary to match them to the actual requirements.

If skid resistance is not sufficient, especially in wet conditions, grooving can provide an effective solution. Grooving creates grooves with greater widths, depths and spacing than grinding and thus improves drainage properties. In modern surface textures, evenness grinding, fine grinding textures and grooving grooves are often combined to achieve the best possible performance characteristics for operators, users and the environment.

FROM REQUIREMENT TO IMPLEMENTATION -
TRUST US, WE ARE YOUR SURFACE SPECIALISTS!

	Skid resistance	Evenness	Rolling resistance	Drainage capability	Reflection properties	Tyre-road noise	Driving comfort
Grinding for evenness	0	++	++	0	0	0	++
Grinding for texturing	++	0	++	+	++	++	+
Grooving	+	0	0	++	0	0	0

+ + significant improvement

+ possible improvement

0 no influence

CON TACT

Welcome to our family business that has specialised in traffic areas since 1977. We are leading experts in this field of work and our passion is to create the highest quality traffic areas.

We rely on innovative technologies to provide our customers with environmental benefits while guaranteeing top quality. Our work is more than just a job - it is a task for the future, with a focus on sustainability and innovation.

Our team consists of experts who understand their craft and work with passion and commitment on every project. We are proud to create traffic pavements that are not only aesthetically pleasing, but also meet the highest standards of quality and durability.

Contact us and see for yourself our commitment, passion and expertise in traffic area construction. We are looking forward to providing you with customised solutions that meet the highest standards.

BROCHURES
DOWNLOAD



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