



INNOVATION

# HORIZONTAL GRINDING FOR TEXTURING

SURFACES/  
TEXTURES



QUALITY  
MUST BE  
TRANSPARENT  
AND  
CONTROL  
LABLE.



Horizontal grinding for texturing is an innovative technology for increasing the sustainability of traffic areas. The new approach to this is to produce customised surfaces in new or existing constructions through targeted processing of micro- and macrotextures. We are pleased to introduce you to this approach in this brochure.

Thus, the focus is on specifically on producing and maintaining service properties and matching the useful lives of the surface and pavement. This approach increases sustainability over the entire useful life of the traffic area. Our solutions are designed to use resources more efficiently. Thanks to efficient processes and technologies, traffic disruptions are minimised. A key advantage is that no drying or cooling times are required, avoiding congestion and accidents and maximising the availability of the traffic areas.

In summary, treatment and refinement of surfaces is the key to creating sustainable road surfaces. We are proud to offer pioneering technologies.

**WE ARE CREATING THE PATH TO THE FUTURE!**

# ADVANTAGES

- Targeted production of textures according to the required functional/performance characteristics (e.g. skid resistance, tyre-road noise, rolling resistance, tyre wear, reflection and absorption properties)
- Control of process and product quality
- Production of surfaces that are optimally adapted to the wishes and needs of customers and users
- Applicable on concrete and asphalt in new construction and maintenance
- Transparency and quality control through accompanying measurements



# TECH NOL OGY

more informations



## Machine technology

- Weight of machine: 6,300 kg
- Height/length/width: 2.445 m / 5.412 m / 2.490 m
- Working width: 0.90 m / 1.70 m / 2.50 m
- Integrated dust extraction system

## Basic control parameters

- Computer-based machine control
- Progress speed (0 - 20 m/min)
- Variable contact pressure of grinding head (230 kg - 390 kg)
- Variable speed of the grinding discs (450 - 1400 rpm)

## Application-related tool parameters

- Amount, alignment and arrangement
- Diamond mesh (technical knitted fabric with three-dimensional, honeycomb structure)
- Diamond density and bonding



**1** Digital display | **2** Grinding head with mounting plate and diamond tools





THE CONTROL  
OF  
PERFORMANCE  
CHARACTERISTICS  
IS OUR  
FOCUS.



# 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

The areas of application for the innovative technology of horizontal grinding for texturing are very diverse with a view to a sustainable future. The targeted production of micro and macro textures, which serves in particular to produce skid resistant and low-noise traffic areas, represents the main application. Furthermore, a significant brightening can be achieved primarily with suitable asphalt top layer. This leads to an improvement in the absorption and reflection properties of the surface. This can result, for example, in energy savings for lighting and an increase in driving comfort, as well as an improvement in various thermal effects associated with the structure.

Another impressive advantage of this technology is the ability to compensate for the acoustic ageing of different road surfaces. But that's not all! Our horizontal grinding for texturing offers enormous potential to improve noise protection in general, creating a quieter and more pleasant environment for residents and road users.

In addition, our optimised surfaces result in improved rolling resistance, enabling fuel savings. This is not only good for the environment, but also for driving costs.

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

	Porous asphalt	Thin hot applied asphalt layers	Exposed aggregates concrete	Stone mastic asphalt
Skid resistance	++	++	+	+
Evenness	0	0	0	0
Rolling resistance	++	++	+	+
Reflection properties/brightening*	++	++	0	++
Tyre-road noise	++	++	+	+
Tyre wear/abrasion	++	++	++	++

\* = depending on aggregates  
+ + 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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