

## ◎ Surface technology and coatings

Beside the manufacturing of saw blades OTT+HEUGEL is also well-known as one of the leading companies for high precision grinding technology. This unique process as well as the latest heat treatment and tempering process combined with the most progressive coating masters easily the growing demand of tool performance and surface quality.

OTT+HEUGEL offers various kind of coatings depending on the customer's application. The right selection will prevent heating and welding up of material and increases the tool performance tremendously. There are coatings for all applications even for extreme cutting feed and speed values.

Today OTT+HEUGEL is in the unique position to offer the most progressive metal cutting circular saw blade as the result of constant research and development of existing coatings.

### Surface technology:



**BASIC**

The BASIC surface technology is also well-known by the brand name **SilverRex®**. The typical application will be found by DIN saw blades. The saw blade is hardened and tempered and without any coating.



**CLASSIC**

This execution is characterized by a steam-treated surface and is worldwide known by the brand name **VapoRex®**. The fine porous oxyd layer improves the coolant and friction behaviour and achieves a better tool performance.

### Coatings:



**CONCEPT**



**ADVANTAGE**



**SPORTIVE**



**SPORTIVE-PLUS**



**EXTREME**



**ESCAPE**

Important advantages of the coatings are:

- Increased surface hardness
- Increased saw blade performance
- Reduced friction values
- Reduced material welding up

For more information and technical details please refer to chapter 6.