



# Creating shining results:

Perfect surfaces in 3 steps.

[www.rhodium-abrasives.com](http://www.rhodium-abrasives.com)

**RHODIUS**

Simplify your work.



## Your tool: Combination of abrasive cloth and non-woven

**Remove last scratches from surfaces,** for example with the VSK VISION. Advice regarding preparations can be found at Tips & Application.

- Grinding and finishing in one operation through combination of two grinding tools
- As it is flexible the grinding tool it ideally adjusts to the workpiece
- Due to the open flap structure undesired discoloration can be avoided

Result: Fine grinding pattern with homogenous surface



**Tip:** When processing high-gloss finish polishing always work with cross-grinding method. (if work piece allows)



**Optimum speed,** e. g. for VSK VISION:

Processing stainless steel: 3.000 – 3.500 rpm

Processing aluminum: 5.500 – 6.000 rpm



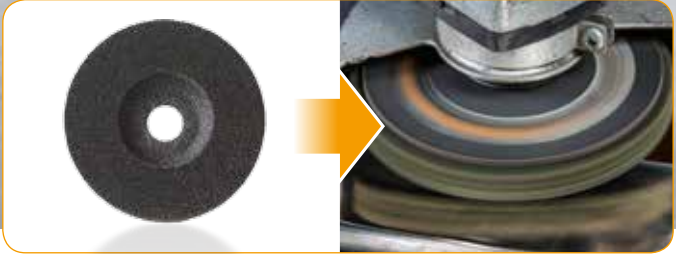
**WEB-VIDEO**



The **VSK VISION** always provides a free view to the work piece and thus an optimum control during reconditioning.



For further information see cataloguepages 123, 145



## Your tool: Unitized discs

### Create an optimal surface.

Ideal are discs with medium hardness (3/4) with very fine grain size.

- Multilayered, heavily densed non-woven material enables a surface quality close to mirror finish
- Ideal adjustment to different contours due to high internal strength
- Extremely long lasting due to sturdy design



**Tip:** Besides the straight version of the unitized disc RHODIUS offers also an angled version for more economic and comfortable working.



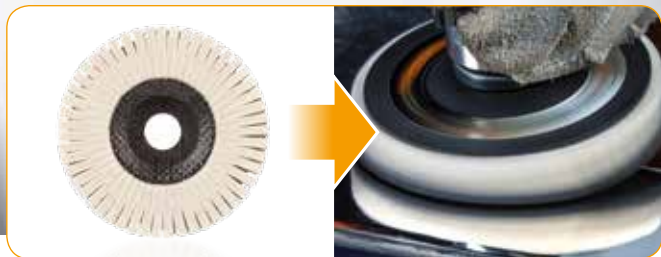
**Optimum speed, e. g. for VKSS WS:**  
Processing stainless steel: 3.600 – 4.000 rpm  
Processing aluminum: 5.500 – 6.000 rpm



The **VKS GS** adapts to the contours of the workpiece. Ideal for uneven shaped surfaces.



For further information see catalogue page 155



## Your tool: Felt polishing flap disc

**Refine your workpiece up to mirror finish.**

**IMPORTANT:** Clean the workpiece thoroughly before and after each individual procedure. For the first passes use harder felt (H40) combined with the proper polish paste (see next page) for pre-polishing.

For the second pass use softer felt (H25) combined with the blue polish paste.

- Perfect high-gloss finish
- The upright flaps evenly release the polish paste
- Ideal adjustment to different contours of the workpiece
- Cool grinding due to the special discdesign



**Tip:** Work with high grinding pressure



**Optimum speed**, e. g. for FLS:

Processing stainless steel: 1.600 rpm

Processing aluminum: 2.000 rpm



By polishing high-gloss surfaces an optimum surface quality will be created.

Besides the optical benefits the material achieves increased endurance in addition.



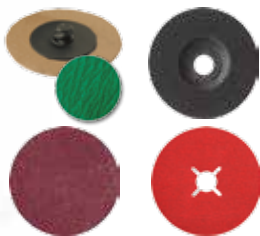
For further information see cataloguepage 156

# Tips & Application

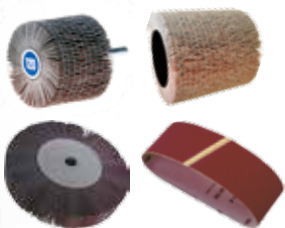


## Tooltypes and surface finish

**Face grinding** – creates radial and irregular microsections



**External cylindrical grinding** – creates even and linear surface finish



**Tip: Round and profiled workpieces**

For these applications use the slotted version of flap wheels and drums.

These versions allow optimal adjustment to the workpiece and create even surface finish.



For further information see cataloguepage 115



## Workpiece preparation

### Your tool: Coated abrasives

Completely remove deep scratches and enclosures. If unconditioned stainless-steel is used remove the rolling-skin with coarse grain in any case. For optimal results the final step should be made with grit 60 or finer.

#### Use:

- Flap wheels for narrow sections or small areas
- Drums with a width  $> 100$  mm for large areas



**Tip:** Different microsections can be created with the same grit size by increasing/decreasing the speed.



**Optimum speed** Processing aluminum should be done by a higher speed but the maximum permissible working speed should not be exceeded!



WEB-VIDEO



The **LSZ F VISION** is the most suitable tool for the preparation. Due to the three gaps a free view to the workpiece is provided and it can be avoided that dings are created on the workpiece.



For further information see cataloguepage 121

Tips:

# High-gloss polishing



## Polishing compound

There are 3 polishing compounds for different applications: Pre-Polish for non-ferrous metals and processing of stainless-steel and one for high-gloss polishing (all metals).

### Pre-polishing

- Non-ferrous metals (brown)
- Stainless-steel (white)

### High-gloss polishing

- All materials (blue)



**Tip:** Do not put the disc to the paste, always put the paste to the disc. By this the amount of paste to be used can be ideally controlled.

**Tool-Sets:** All products for perfect results in one package.



Polishing of aluminium rims



Polishing of stainlesssteel



For further information see cataloguepage 173

Your RHODIUS-Dealer:

**RHODIUS Schleifwerkzeuge GmbH & Co. KG**  
Brohltalstraße 2 · D-56659 Burgbrohl  
Phone +49 2636 920 500  
Fax +49 2636 920 167  
service@rhodius.de · www.rhodius-abrasives.com

GB / -920745

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