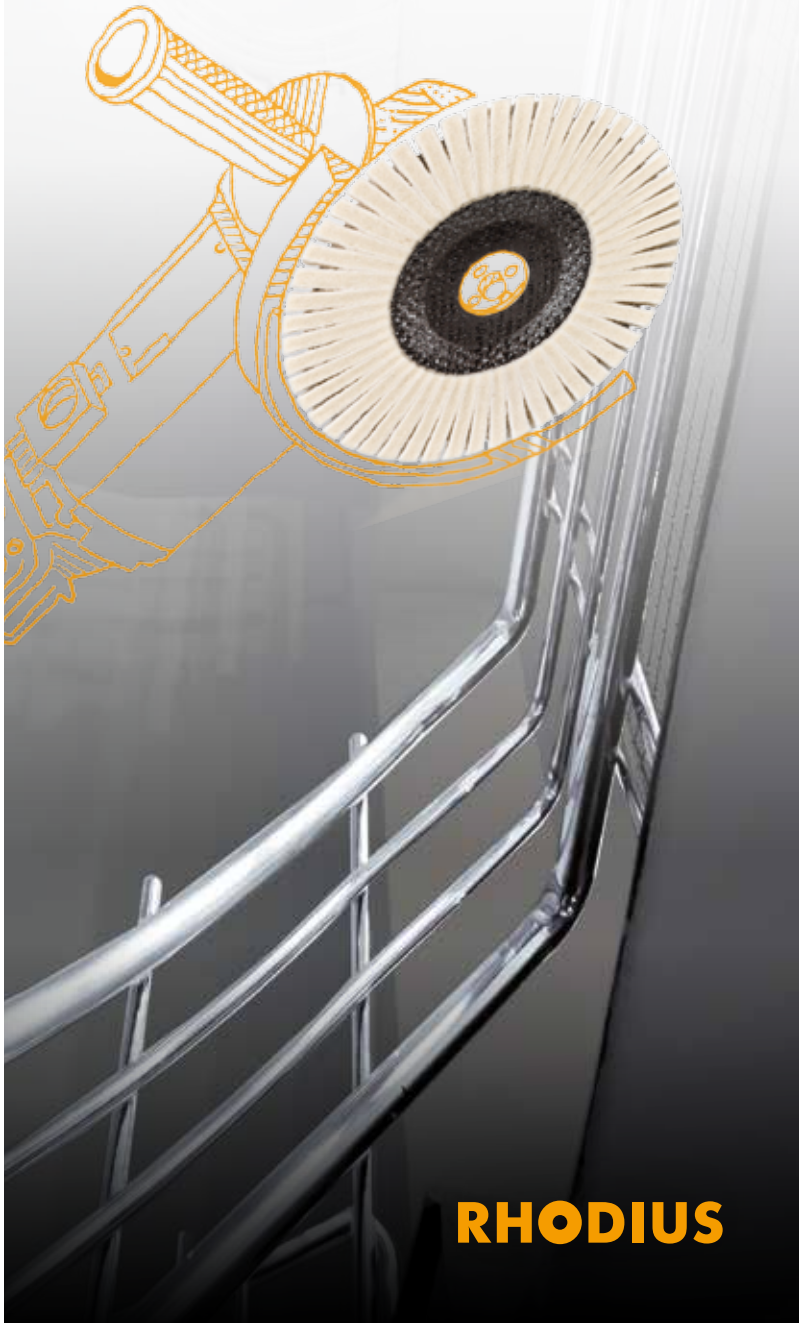
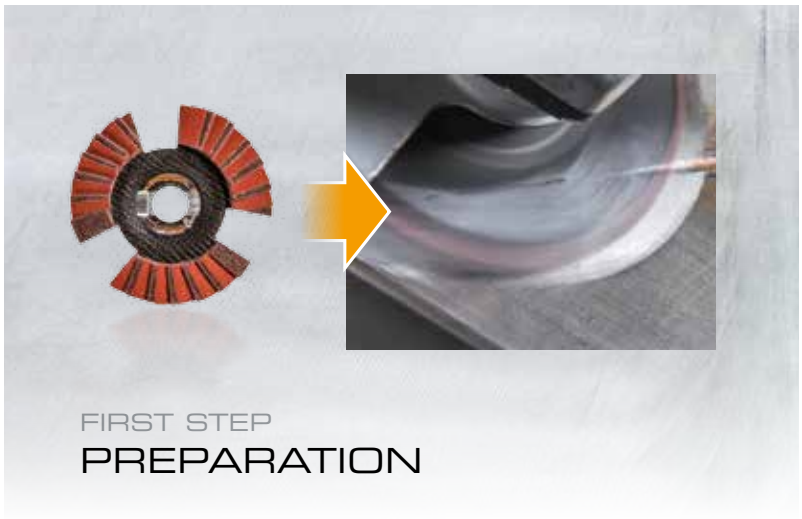
BRILLIANT RESULTS

PERFECT SURFACES
IN 3 STEPS.



RHODIUS



FIRST STEP

PREPARATION

Your tool: combination of abrasive cloth and non-woven material

Remove the last scratches from the surface, e.g. with VSK VISION. You'll find notes on the preparation under Tips and application.

- Grinding and finishing in one step due to the combination of two grinding tools
- The flexible grinding tool adapts perfectly to the workpiece
- The open flap structure prevents clogging
- Low heat generation prevents undesired discolouration

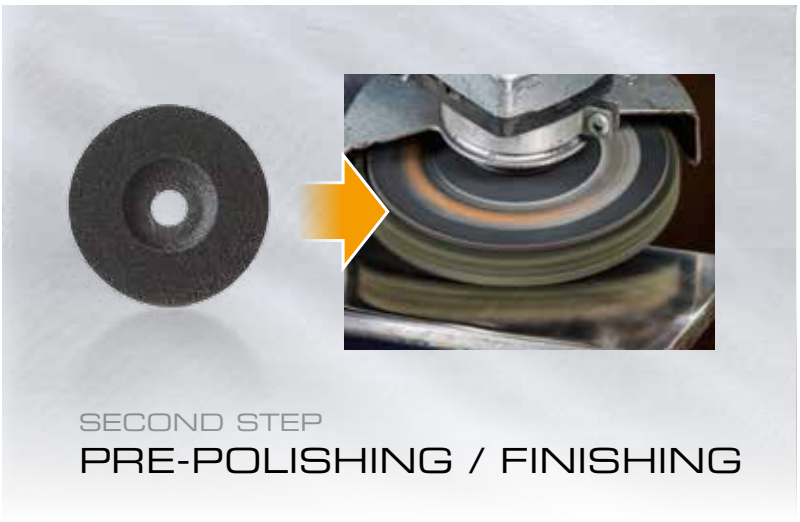
Result: fine and homogeneous surface finish

Tip: for high-gloss polishing, always use cross-grinding if the workpiece allows for it.

Optimum revolutions e.g. for VSK VISION
Stainless steel processing: 3,000–3,500 rpm
Aluminium processing: 5,500–6,000 rpm

WEB-VIDEO

With the flap disc **VSK VISION**, you always have a clear view of the workpiece and thus have optimal control during preparation.



SECOND STEP

PRE-POLISHING / FINISHING

Your tool: compact non-woven abrasive

Create optimal surface treatment quality.

Discs with medium degree of hardness (3/4) and very fine grain size are perfect for this.

- Multi-layer strongly pressed non-woven disc allows for a surface treatment quality close to a mirror finish
- Optimum adaptation to contours due to high inherent strength
- Especially durable due to robust design

Tip: in addition to straight unitised discs, Rhodius also offers angled shapes for more pleasant and ergonomic working.

Optimum revolutions e.g. for VKSS WS
Stainless steel processing: 3,600–4,000 rpm
Aluminium processing: 5,500–6,000 rpm

The **VKS GS** adapts to the surface of the workpiece. Ideal for irregularly-shaped surfaces.

THIRD STEP

HIGH-GLOSS POLISHING

Your tool: felt flaps

Finish your workpiece up to a mirror finish.

Important: always clean the workpiece thoroughly beforehand and after every work step. For the first applications, use the harder felt (H40) in combination with the polishing pastes suitable for the material (see next page) for pre-polishing.

For the second application, use the softer felt (H25) in combination with the blue polishing paste.

- Perfect mirror finish
- Vertically positioned flaps evenly dispense paste
- Optimum adaptation to the contours of the workpiece
- Cool cut due to special flap structure

Important: felt products may only be used with a polishing paste.

Tip: apply high contact pressure

Optimum revolutions e.g. for FLS
Stainless steel processing: 1,600 rpm
Aluminium processing: 2,000 rpm

Polishing creates high-gloss surfaces with optimal surface treatment quality. In addition to the visual advantages, high-gloss polishing increases the lifetime of the material.

TIPS:

HIGH-GLOSS POLISHING

Paste

Three pastes for different applications are available: pre-polishing for non-ferrous metals and stainless steel processing and final high-gloss polishing (all metals).

Pre-polishing

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

High-gloss polishing

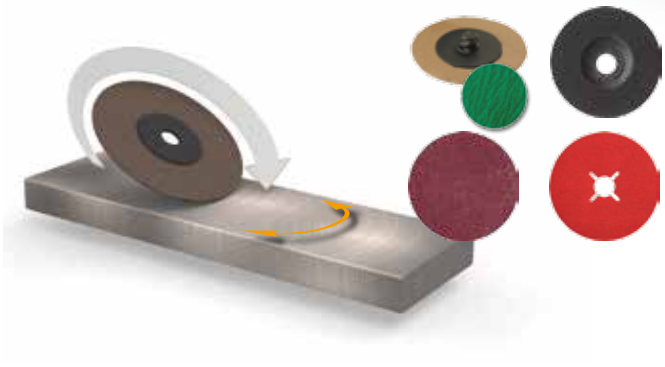
- All materials (blue)

Tip: do not lead the disc to the paste but always lead the paste to the disc. This gives you optimal control about how much paste you use.

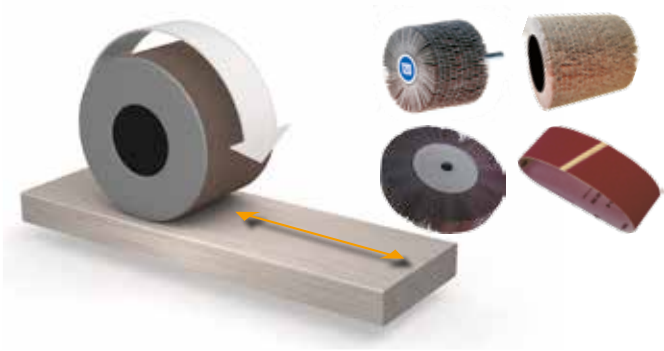
TIPS AND APPLICATION

Tool shapes and surface finishes

END GRINDING – creates a radial, irregular surface finish



PERIPHERAL GRINDING – creates a regular, linear surface finish



Round and profiled workpieces
For these applications, use slotted versions of flap wheels and drums. They adapt perfectly to the workpiece and result in a regular surface finish.

Preparation of the workpiece

Your tool: coated abrasives

Completely remove all deep scratches and inclusions. If you use untreated stainless steel, make sure to grind the scale with coarse grain. For optimum results, finally grind it with K60 or finer.

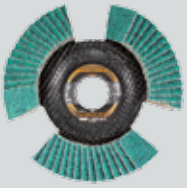
Use

- flap wheels for confined spaces or small surfaces
- drums with > 100 mm width for large surfaces

Tip: the same grain size can result in different surface finishes due to increase/decrease in revolutions.

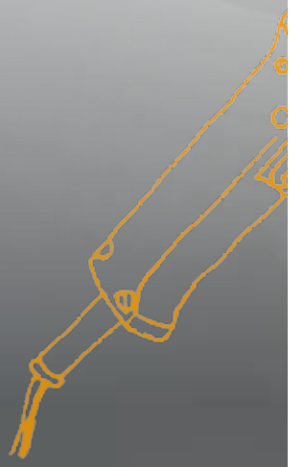
Optimum revolutions: for aluminium processing, use slightly higher revolutions but do not exceed the maximum permitted revolutions!

WEB-VIDEO



The **LSZ F VISION COOL** is ideally suited for preparation. Thanks to the three recesses, you have a clear view of the workpiece to prevent, e.g., grinding in dents.

Your RHODIUS distributor:



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