

Rösler vibratory surface finishing system FBA 24/2 Turbo for polishing of automotive wheels



Rösler, the worldwide leader in surface finishing technologies offers a complete package for high gloss polishing of wheels consisting of process technology as well as equipment, media and compounds. Why should you go through an expensive process of trial and error, if you can count on the experience and know-how of our process specialists?

The compact wheel finishing system is ideally suited for surface grinding, smoothing and polishing small batches of high-value automotive wheels with a diameter of up to 24". Ease of operation and quick media change capabilities help produce a repeatable mirror finish in just a few hours.

This system with dual lateral unbalance motors, which was especially designed to meet the requirements of wheel polishing, allows for perfect results in short processing times. It is suitable for practically any kind of surface finishing task owing to the adjustable drive settings and stepless speed control.

A high gloss industrial finish for used and new wheels!

Applications:

- ▶ High gloss polishing of automotive and motor bike wheels of up to 24" diameter.
- ▶ Suitable for cast as well as forged aluminum wheels
- ▶ Polishing of different kinds of engine parts
- ▶ Refurbishment of classic automobile components

raw wheel



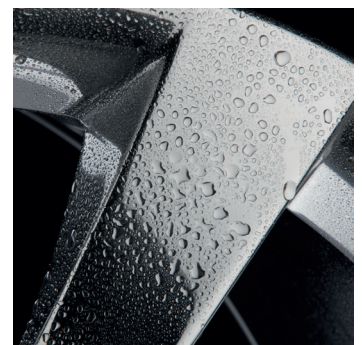
fine grinding



final finish



lotus effect



Process steps



Step 1 – Cutdown (heavy grinding)

- ▶ Media:
RKB/WB2 10 K – 15 K + 10 P – 15 P
- ▶ Cleaning compound:
FBC 1
- ▶ Processing time: ca. 2-3 hours*



Step 2 – Smoothing (fine grinding)

- ▶ Media:
RKW/4 10 K – 15 K + 10 P – 15 P
- ▶ Cleaning compound:
Compound FBC 1
- ▶ Processing time: ca. 1-1,5 hours*



Step 3 – Polishing (high gloss finish)

- ▶ Media:
RPT 3-4 G
- ▶ Cleaning compound:
Compound FBC 4
- ▶ Processing time: ca. 1-1,5 hours*

*Duration of the finishing process depends on wheel design and initial surface condition (surface roughness)

Technical highlights

Work bowl:

- ▶ Equipped with clamping system for different size wheels
- ▶ Work bowl dimensions: Diameter: 700 mm, Bowl depth: 550 mm
- ▶ Work bowl lined with wear resistant polyurethane, type Rösler HD 90
- ▶ Work bowl welding fabrication reinforced with special gussets and heat treated for stress relief

Vibratory Drive System: :

- ▶ Special vibratory motor, designed for continuous operation
- ▶ Speed 3000 RPM.
- ▶ A frequency inverter allows running the vibratory motor at different speeds, thus providing different process intensities
- ▶ Automatic rotation reversal

Basic supply of media and compound:

- ▶ 250 kg mixture of RKB/WB2 + 25 kg of compound FBC 1
- ▶ 275 kg mixture of RKW/4 + 25 kg of compound FBC 1
- ▶ 350 kg RPT 3-4 G V01T08 + 25 kg of compound FBC 4

NEW
pneumatically operated device
for loading and unloading