



AOK HD™ ACTIVE ORBITAL KIT HD™

INTEGRATED SANDING SOLUTION FOR TEXTURE-FREE SURFACE TREATMENT OF LARGE SURFACES

The AOK HD is a finely tuned system package based on the Active Compliant Technology (ACT) and orbital sanders optimized for robot use and large surfaces. This integrated complete solution automates the industrial sanding process with individual control of all process parameters: rotation speed, contact force and feed rate. The AOK HD offers the highest process quality from a single source and the system design is compact and light. The eccentric mode can be switched from free-run mode to forced mode and the gimbal unit allows adapting flexibly to the surface. The enormously durable sander is designed for industrial use and delivers twice the output of standard devices, 24 hours a day, 7 days a week.

Surface treatment: Sanding, polishing, cleaning

All materials: Steel, aluminum, titanium, magnesium, carbon, plastic, wood, ceramic, composite materials ...

PATENTED
TECHNOLOGY


FERROBOTICS
perfect feeling

AOK HD™

ACTIVE ORBITAL KIT HD™

GLOBAL NOVELTY

GRINDING PACKAGE SOLUTION FOR INDUSTRY 4.0

- User-friendly industrial package solution
- Robot-compatible sander combined with all the benefits of the ACT system cooperation
- For all industries and materials

QUICK, FLEXIBLE, SAFE

- High performance and functionally optimized system for immediate integration
- Rapid job modulation directly by the end user
- Optimal functionality, productivity and process reliability

CONTROL OF ALL PROCESS PARAMETERS

- Contact force on the surfaces in an integrated system solution
- Feed rate of the robot
- Rotation speed of the orbital sander

TOP QUALITY

- Precisely even surface appearance thanks to a process-optimized package solution
- No post-processing
- The highest quality level 24 hours a day, 7 days a week

COMPACT AND SIMPLE

PRECISE APPLICATION OF FORCE

DEVICES ARE ARTIFICIALLY CONDITIONED



Control of the feed rate

Control of the contact force on surfaces by ACT

Orbital sander with doubled output

Control of the rotation speed

SPECIFICATIONS

Ordercode	AOK/601
Max. force (push/pull) [N]	500
Stroke [mm]	48
Dimensions [mm]	Max. 405 x 360 x 480 Bolt circle ISO 9409-1-80-6-M8 standard flange ø 80
Dead weight [kg]	~ 28
Power supply	<ul style="list-style-type: none"> • 24 V DC • 380 - 500 V AC • ø 8 mm air supply, max. 7 bar, 30 µm, ISO 8573-1 Kl.3 (oil & water free) • 4 x ø 6 mm operated air supply for switching the eccentric mode and to block the gimbal unit, max. 7 bar, 30 µm, ISO 8573-1 Kl.3 (oil & water free)
Max. speed [rpm]	6,600 recommended 5,000
Motor power (S3) [W]	4,000
Motor peak power (S2) [W]	5,900
Excentric stroke [mm]	5
Grinding disc	3 x ø 150 mm (ø 6") pad with fast fix
Forced eccentric mode	on/off
Air consumption [l/min]	15 - 30
Extraction connection [mm]	ø 40
Ambient temperature during operation [°C]	+5 ... +45
Protection class	IP65 / if equipped with adequate filters

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