



AAK ACTIVE ANGULAR KIT

INTEGRATED GRINDING SOLUTION FOR TEXTURED SURFACE TREATMENT

The AAK is a finely tuned system package based on the Active Compliant Technology (ACT) and an angle grinder optimized for robot use. This integrated complete solution automates the industrial grinding process with individual control of all process parameters: speed of rotation, contact force and feed rate. The AAK offers the highest process quality from a single source. The system design is compact and light. The enormously durable grinder is designed for industrial use and delivers twice the output of standard devices, 24 hours a day, 7 days a week.

Surface treatment: Grinding, deburring

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

PATENTED
TECHNOLOGY

FERROBOTICS
perfect feeling

AAK

ACTIVE ANGULAR KIT

GLOBAL NOVELTY

GRINDING PACKAGE SOLUTION FOR INDUSTRY 4.0

- User-friendly industrial package solution
- Robot-compatible grinder combined with all the benefits of 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
- Speed of the angle grinder

TOP QUALITY

- Precisely even surface texture 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

ENTIRE SYSTEM IS FORCE CALIBRATED



Control of the feed rate

Control of the contact force on surfaces by ACT

Angle grinder with doubled output

Control of the speed rotation

SPECIFICATIONS

Ordercode	AAK/201
Max. force (push/pull) [N]	160
Stroke [mm]	35.5
Dimensions [mm]	Max. 220 x 194 x 279,6 mm Bolt circle ISO 9409-1-80-6-M8 standard flange ø80 mm
Dead weight [kg]	~ 8.5
Power supply	<ul style="list-style-type: none"> • 24 V (DIN-track) • 380 - 500 V AC (frequency inverter) • ø8 mm air supply Max. 7 bar, 30µm, ISO 8573-1 Kl.3 (oil & water free)
Max. speed [rpm]	10,000
Motor power (S3) [W]	700
Motor peak power (S2) [W]	1,500
Grinding disc	M14 drive Spindle thread: fits to ø75 mm - ø125 mm (ø3" - ø5"), with ø22.2 mm (ø7/8") drill-hole
Air consumption [l/min]	20 - 30
Ambient temperature during operation [°C]	+5 ... +45
Protection class	IP65 / if equipped with adequate filters