



## AAK XS™ ACTIVE ANGULAR KIT XS™

### INTEGRATED GRINDING SOLUTION FOR TEXTURED SURFACE TREATMENT

The AAK XS 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 XS is developed for the surface finishing of small areas and 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, polishing, cleaning, deburring

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

PATENTIERTE  
TECHNOLOGIE

  
**FERROBOTICS**  
perfect feeling

# AAK XS™

## ACTIVE ANGULAR KIT XS™

### 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

DEVICES ARE ARTIFICIALLY CONDITIONED

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/401
Max. force (push/pull) [N]	100
Stroke [mm]	35.5
Dimensions [mm]	Max. 220 x 194 x 258,2 mm Bolt circle ISO 9409-1-80-6-M8 standard flange ø80 mm
Dead weight [kg]	~ 5.5
Power supply	<ul style="list-style-type: none"> <li>• 24 V (DIN-track)</li> <li>• 380 -500 V AC (frequency inverter)</li> <li>• ø8 mm air supply Max. 7 bar, 30µm, ISO 8573-1 Kl.3 (oil- &amp; water free)</li> </ul>
Max. speed [rpm]	10,000
Motor power (S3) [W]	597
Motor peak power (S2) [W]	785
Grinding disc	Up to Ø3" (Ø77mm), ¼-20UNC internal thread
Air consumption [l/min]	5 – 10
Ambient temperature during operation [°C]	+5 ... +45
Protection class	IP65 / if equipped with adequate filters

Official Partner



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